

DonorsChoose

DonorsChoose.org receives hundreds of thousands of project proposals each year for classroom projects in need of funding. Right now, a large number of volunteers is needed to manually screen each submission before it's approved to be posted on the DonorsChoose.org website.

Next year, DonorsChoose.org expects to receive close to 500,000 project proposals. As a result, there are three main problems they need to solve:

- How to scale current manual processes and resources to screen 500,000 projects so that they can be posted as quickly and as efficiently as possible
- How to increase the consistency of project vetting across different volunteers to improve the experience for teachers
- How to focus volunteer time on the applications that need the most assistance

The goal of the competition is to predict whether or not a DonorsChoose.org project proposal submitted by a teacher will be approved, using the text of project descriptions as well as additional metadata about the project, teacher, and school. DonorsChoose.org can then use this information to identify projects most likely to need further review before approval.

About the DonorsChoose Data Set

The `train.csv` data set provided by DonorsChoose contains the following features:

Feature	Description
<code>project_id</code>	A unique identifier for the proposed project. Example: p036502
<code>project_title</code>	Title of the project. Examples: <ul style="list-style-type: none">• Art Will Make You Happy!• First Grade Fun
<code>project_grade_category</code>	Grade level of students for which the project is targeted. One of the following enumerated values: <ul style="list-style-type: none">• Grades PreK-2• Grades 3-5• Grades 6-8• Grades 9-12
<code>project_subject_categories</code>	One or more (comma-separated) subject categories for the project from the following enumerated list of values: <ul style="list-style-type: none">• Applied Learning• Care & Hunger• Health & Sports• History & Civics• Literacy & Language• Math & Science• Music & The Arts• Special Needs• Warmth Examples: <ul style="list-style-type: none">• Music & The Arts• Literacy & Language, Math & Science
<code>school_state</code>	State where school is located (Two-letter U.S. postal code). Example: WY
<code>project_subject_subcategories</code>	One or more (comma-separated) subject subcategories for the project. Examples: <ul style="list-style-type: none">• Literacy

Feature	Description
<code>project_resource_summary</code>	An explanation of the resources needed for the project. Example: <ul style="list-style-type: none"> • My students need hands on literacy materials to manage sensory needs!
<code>project_essay_1</code>	First application essay*
<code>project_essay_2</code>	Second application essay*
<code>project_essay_3</code>	Third application essay*
<code>project_essay_4</code>	Fourth application essay*
<code>project_submitted_datetime</code>	Datetime when project application was submitted. Example: 2016-04-28 12:43:56.245
<code>teacher_id</code>	A unique identifier for the teacher of the proposed project. Example: bdf8baa8fedef6bfeec7ae4ff1c15c56
<code>teacher_prefix</code>	Teacher's title. One of the following enumerated values: <ul style="list-style-type: none"> • nan • Dr. • Mr. • Mrs. • Ms. • Teacher.
<code>teacher_number_of_previously_posted_projects</code>	Number of project applications previously submitted by the same teacher. Example: 2

* See the section **Notes on the Essay Data** for more details about these features.

Additionally, the `resources.csv` data set provides more data about the resources required for each project. Each line in this file represents a resource required by a project:

Feature	Description
<code>id</code>	A <code>project_id</code> value from the <code>train.csv</code> file. Example: p036502
<code>description</code>	Description of the resource. Example: Tenor Saxophone Reeds, Box of 25
<code>quantity</code>	Quantity of the resource required. Example: 3
<code>price</code>	Price of the resource required. Example: 9.95

Note: Many projects require multiple resources. The `id` value corresponds to a `project_id` in `train.csv`, so you use it as a key to retrieve all resources needed for a project:

The data set contains the following label (the value you will attempt to predict):

Label	Description
<code>project_is_approved</code>	A binary flag indicating whether DonorsChoose approved the project. A value of 0 indicates the project was not approved, and a value of 1 indicates the project was approved.

Notes on the Essay Data

Prior to May 17, 2016, the prompts for the essays were as follows:

- `__project_essay_1__` "Introduce us to your classroom"
- `__project_essay_2__` "Tell us more about your students"
- `__project_essay_3__` "Describe how your students will use the materials you're requesting"
- `__project_essay_4__` "Close by sharing why your project will make a difference"

Starting on May 17, 2016, the number of essays was reduced from 4 to 2, and the prompts for the first 2 essays were changed to the following:

- `__project_essay_1__` "Describe your students: What makes your students special? Specific details about their background, your neighborhood, and your school are all helpful."

your neighborhood, and your school are all helpful.

- `__project_essay_2__` "About your project: How will these materials make a difference in your students' learning and improve their school lives?"

For all projects with `project_submitted_datetime` of 2016-05-17 and later, the values of `project_essay_3` and `project_essay_4` will be NaN.

In [1]:

```
%matplotlib inline
import warnings
warnings.filterwarnings("ignore")

import sqlite3
import pandas as pd
import numpy as np
import nltk
import string
import matplotlib.pyplot as plt
import seaborn as sns
from sklearn.feature_extraction.text import TfidfTransformer
from sklearn.feature_extraction.text import TfidfVectorizer

from sklearn.feature_extraction.text import CountVectorizer
from sklearn.metrics import confusion_matrix
from sklearn import metrics
from sklearn.metrics import roc_curve, auc
from nltk.stem.porter import PorterStemmer

import re
# Tutorial about Python regular expressions: https://pymotw.com/2/re/
import string
from nltk.corpus import stopwords
from nltk.stem import PorterStemmer
from nltk.stem.wordnet import WordNetLemmatizer

from gensim.models import Word2Vec
from gensim.models import KeyedVectors
import pickle

from tqdm import tqdm
import os

from chart_studio import plotly
import plotly.offline as offline
import plotly.graph_objs as go
offline.init_notebook_mode()
from collections import Counter
```

```
C:\Users\manoj\Anaconda3\lib\site-packages\gensim\utils.py:1197: UserWarning: detected Windows; aliasing chunkize to chunkize_serial
  warnings.warn("detected Windows; aliasing chunkize to chunkize_serial")
```

OBSERVATION: The above block is used to load all the libraries and module that are used in the assignment.

1.1 Reading Data

In [2]:

```
project_data = pd.read_csv('train_data.csv')
resource_data = pd.read_csv('resources.csv')
#print(project_data.head(1))
#print(resource_data.head(1))
```

OBSERVATION: The above block takes all records from the data to perform analysis.

In [3]:

```
print("Number of data points in train data", project_data.shape)
print('-'*50)
print("The attributes of data :", project_data.columns.values)
#print("The attributes of data :", project_data.columns)
```

Number of data points in train data (109248, 17)

```
-----  
The attributes of data : ['Unnamed: 0' 'id' 'teacher_id' 'teacher_prefix' 'school_state'  
 'project_submitted_datetime' 'project_grade_category'  
 'project_subject_categories' 'project_subject_subcategories'  
 'project_title' 'project_essay_1' 'project_essay_2' 'project_essay_3'  
 'project_essay_4' 'project_resource_summary'  
 'teacher_number_of_previously_posted_projects' 'project_is_approved']
```

OBSERVATION: There are 109248 rows and 17 columns in the 'project_data' data frame.

In [4]:

```
print("Number of data points in resources data", resource_data.shape)  
print(resource_data.columns.values)  
resource_data.head(2)
```

Number of data points in resources data (1541272, 4)
['id' 'description' 'quantity' 'price']

Out[4]:

	id	description	quantity	price
0	p233245	LC652 - Lakeshore Double-Space Mobile Drying Rack	1	149.00
1	p069063	Bouncy Bands for Desks (Blue support pipes)	3	14.95

OBSERVATION: The above block shows the number of columns(4) and rows(1541272) in the resources file.

1.2 Data Analysis

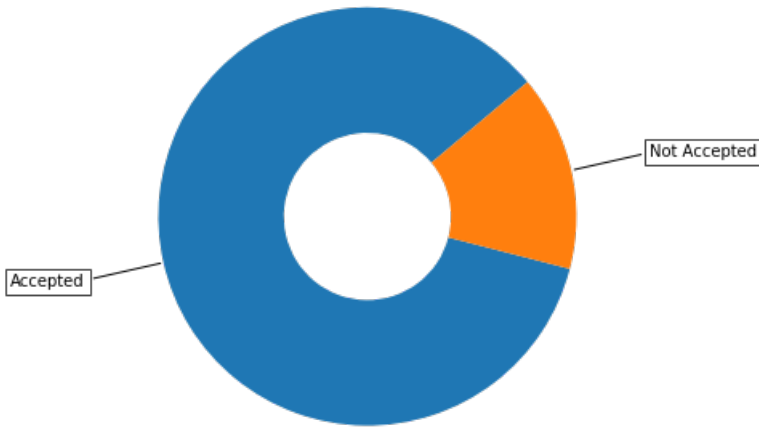
In [5]:

```
# PROVIDE CITATIONS TO YOUR CODE IF YOU TAKE IT FROM ANOTHER WEBSITE.  
# https://matplotlib.org/gallery/pie_and_polar_charts/pie_and_donut_labels.html#sphx-glr-gallery-pie-and-polar-charts-pie-and-donut-labels-py  
  
y_value_counts = project_data['project_is_approved'].value_counts()  
print("Number of projects thar are approved for funding ", y_value_counts[1], ", (",  
(y_value_counts[1]/(y_value_counts[1]+y_value_counts[0]))*100,"%")  
print("Number of projects thar are not approved for funding ", y_value_counts[0], ", (",  
(y_value_counts[0]/(y_value_counts[1]+y_value_counts[0]))*100,"%")  
  
fig, ax = plt.subplots(figsize=(6, 6), subplot_kw=dict(aspect="equal"))  
recipe = ["Accepted", "Not Accepted"]  
  
data = [y_value_counts[1], y_value_counts[0]]  
  
wedges, texts = ax.pie(data, wedgeprops=dict(width=0.6), startangle=40)  
  
bbox_props = dict(boxstyle="square,pad=0.3", fc="w", ec="k", lw=0.72)  
kw = dict(xycoords='data', textcoords='data', arrowprops=dict(arrowstyle="-"),  
          bbox=bbox_props, zorder=0, va="center")  
  
for i, p in enumerate(wedges):  
    ang = (p.theta2 - p.theta1)/2. + p.theta1  
    y = np.sin(np.deg2rad(ang))  
    x = np.cos(np.deg2rad(ang))  
    horizontalalignment = {-1: "right", 1: "left"}[int(np.sign(x))]  
    connectionstyle = "angle,angleA=0,angleB={}".format(ang)  
    kw["arrowprops"].update({"connectionstyle": connectionstyle})  
    ax.annotate(recipe[i], xy=(x, y), xytext=(1.35*np.sign(x), 1.4*y),  
                horizontalalignment=horizontalalignment, **kw)  
  
ax.set_title("Number of projects that are Accepted and not accepted")  
  
plt.show()
```

Number of projects thar are approved for funding 92706 , (84.85830404217927 %)

Number of projects thar are not approved for funding 16542 , (15.141695957820739 %)

Number of projects that are Accepted and not accepted



OBSERVATION: The above block gives the percentage of projects that are approved(85%) and not approved(15%) for funding, in the form of statements and pie chart.

1.2.1 Univariate Analysis: School State

In [6]:

```
# Pandas dataframe groupby count, mean: https://stackoverflow.com/a/19385591/4084039

temp = pd.DataFrame(project_data.groupby("school_state")
["project_is_approved"].apply(np.mean)).reset_index()
#print(temp.head())
# if you have data which contain only 0 and 1, then the mean = percentage (think about it)
temp.columns = ['state_code', 'num_proposals']

'''# How to plot US state heatmap: https://datascience.stackexchange.com/a/9620

scl = [[0.0, 'rgb(242,240,247)'],[0.2, 'rgb(218,218,235)'],[0.4, 'rgb(188,189,220)'],\
      [0.6, 'rgb(158,154,200)'],[0.8, 'rgb(117,107,177)'],[1.0, 'rgb(84,39,143)']]

data = [ dict(
    type='choropleth',
    colorscale = scl,
    autocolorscale = False,
    locations = temp['state_code'],
    z = temp['num_proposals'].astype(float),
    locationmode = 'USA-states',
    text = temp['state_code'],
    marker = dict(line = dict (color = 'rgb(255,255,255)',width = 2)),
    colorbar = dict(title = "% of pro")
) ]

layout = dict(
    title = 'Project Proposals % of Acceptance Rate by US States',
    geo = dict(
        scope='usa',
        projection=dict( type='albers usa' ),
        showlakes = True,
        lakecolor = 'rgb(255, 255, 255)',
    ),
)

fig = go.Figure(data=data, layout=layout)
offline.iplot(fig, filename='us-map-heat-map')
'''
```

Out[6]:

```
'# How to plot US state heatmap: https://datascience.stackexchange.com/a/9620\n\nscl = [[0.0, \\'rgb(242,240,247)\\'], [0.2, \\'rgb(218,218,235)\\'], [0.4, \\'rgb(188,189,220)\\'], [0.6, \\'rgb(158,154,200)\\'], [0.8, \\'rgb(117,107,177)\\'], [1.0, \\'rgb(84,39,143)\\']]\n\nndata = [ dict(\n    ty\n    pe=\\'choropleth\\',\n    colorscale = scl,\n    autocolorscale = False,\n    locations =
```

```
temp['state_code'],\n          z = temp['num_proposals'].astype(float),\n          locationmode = \n          'USA-states',\n          text = temp['state_code'],\n          marker = dict(line = dict (color = '\n          rgb(255,255,255)',width = 2)),\n          colorbar = dict(title = "% of pro")\n          )\n\nlayout = dict(\n          title = 'Project Proposals % of Acceptance Rate by US States',\n          geo = dict(\n          scope='usa',\n          projection=dict( type='albers usa' ),\n          show\n          lakes = True,\n          lakecolor = '\n          rgb(255, 255, 255)',\n          ),\n          )\n\nfig = go.Figure(data=data, layout=layout)\nfig.show()
```

OBSERVATION: The above block groups the 'project_data' data frame on 'school_state' and calculates the mean of the total projects approved per state to store in temp.

In [7]:

```
# https://www.csi.cuny.edu/sites/default/files/pdf/administration/ops/2letterstabbrev.pdf
temp.sort_values(by=['num_proposals'], inplace=True)
print("States with lowest % approvals")
print(temp.head(5))
print('='*50)
print("States with highest % approvals")
print(temp.tail(5))
```

States with lowest % approvals

	state_code	num_proposals
46	VT	0.800000
7	DC	0.802326
43	TX	0.813142
26	MT	0.816327
18	LA	0.831245

States with highest % approvals

	state_code	num_proposals
30	NH	0.873563
35	OH	0.875152
47	WA	0.876178
28	ND	0.888112
8	DE	0.897959

OBSERVATION: Above block lists out the states with their project approval percentage. The state VT has the lowest approval percentage(80%) and the highest value(89%) belongs to DE.

In [8]:

```
#stacked bar plots matplotlib:
https://matplotlib.org/gallery/lines_bars_and_markers/bar_stacked.html
def stack_plot(data, xtick, col2='project_is_approved', col3='total'):
    ind = np.arange(data.shape[0])

    plt.figure(figsize=(20,5))
    p1 = plt.bar(ind, data[col3].values)
    p2 = plt.bar(ind, data[col2].values)

    plt.ylabel('Projects')
    plt.title('Number of projects aproved vs rejected')
    plt.xticks(ind, list(data[xtick].values))
    plt.legend((p1[0], p2[0]), ('total', 'accepted'))
    plt.show()
```

In [9]:

```
def univariate_barplots(data, col1, col2='project_is_approved', top=False):
    # Count number of zeros in dataframe python: https://stackoverflow.com/a/51540521/4084039
    temp = pd.DataFrame(project_data.groupby(col1)[col2].agg(lambda x: x.eq(1).sum()).reset_index()
    )

    # Pandas dataframe grouby count: https://stackoverflow.com/a/19385591/4084039
    temp['total'] = pd.DataFrame(project_data.groupby(col1)
    [col2].agg({'total': 'count'})).reset_index()['total']
    temp['Avg'] = pd.DataFrame(project_data.groupby(col1)[col2].agg({'Avg': 'mean'})).reset_index()['Avg']

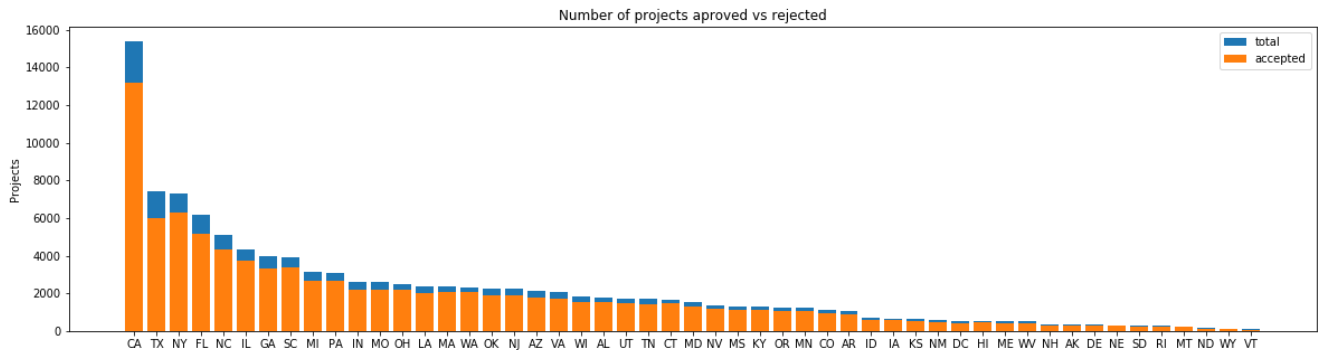
    temp.sort_values(by=['total'],inplace=True, ascending=False)

    if top:
        temp = temp[0:top]
```

```
stack_plot(temp, xtick=col1, col2=col2, col3='total')
print(temp.head(5))
print("="*50)
print(temp.tail(5))
```

In [10]:

```
univariate_barplots(project_data, 'school_state', 'project_is_approved', False)
```



	school_state	project_is_approved	total	Avg
4	CA	13205	15388	0.858136
43	TX	6014	7396	0.813142
34	NY	6291	7318	0.859661
9	FL	5144	6185	0.831690
27	NC	4353	5091	0.855038

	school_state	project_is_approved	total	Avg
39	RI	243	285	0.852632
26	MT	200	245	0.816327
28	ND	127	143	0.888112
50	WY	82	98	0.836735
46	VT	64	80	0.800000

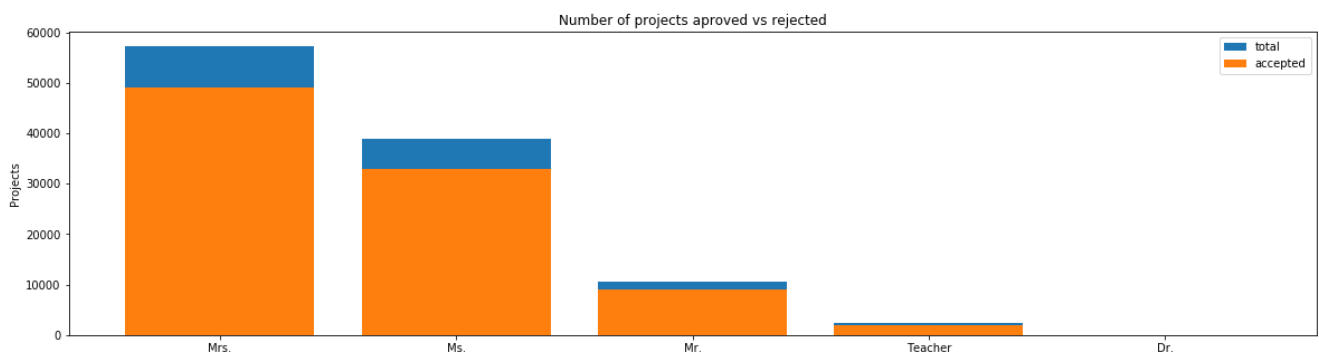
SUMMARY: Every state has greater than 80% success rate in approval

OBSERVATION: The above plot and the output show that the approval percentage of all the states remain almost same, regardless of the state and the number of projects proposed by those states. The state CA has proposed most number of projects and VT proposed least number of projects with approval percentage of 85.81 and 80 respectively.

1.2.2 Univariate Analysis: teacher_prefix

In [11]:

```
univariate_barplots(project_data, 'teacher_prefix', 'project_is_approved' , top=False)
```



	teacher_prefix	project_is_approved	total	Avg
2	Mrs.	48997	57269	0.855559
3	Ms.	32860	38955	0.843537
1	Mr.	8960	10648	0.841473
4	Teacher	1877	2360	0.795339
0	Dr.	9	13	0.692308

	teacher_prefix	project_is_approved	total	Avg
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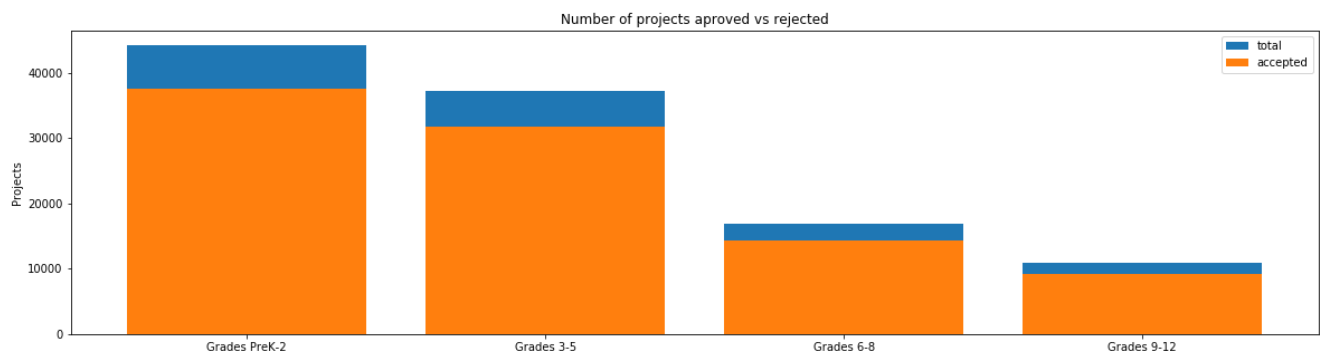
	teacher_prefix	project_is_approved	total	Avg
2	Mrs.	48997	57269	0.855559
3	Ms.	32860	38955	0.843537
1	Mr.	8960	10648	0.841473
4	Teacher	1877	2360	0.795339
0	Dr.	9	13	0.692308

OBSERVATION: The above info shows that there are more projects proposed by teachers with 'Mrs.' prefix followed by 'Ms.' and 'Mr.'. There are very few projects proposed by teachers having a doctorate. This may be because, there may be more number of lady teachers and very few teachers with a doctorate.

1.2.3 Univariate Analysis: project_grade_category

In [12]:

```
univariate_barplots(project_data, 'project_grade_category', 'project_is_approved', top=False)
```



	project_grade_category	project_is_approved	total	Avg
3	Grades PreK-2	37536	44225	0.848751
0	Grades 3-5	31729	37137	0.854377
1	Grades 6-8	14258	16923	0.842522
2	Grades 9-12	9183	10963	0.837636

	project_grade_category	project_is_approved	total	Avg
3	Grades PreK-2	37536	44225	0.848751
0	Grades 3-5	31729	37137	0.854377
1	Grades 6-8	14258	16923	0.842522
2	Grades 9-12	9183	10963	0.837636

OBSERVATION: Above plots show that approval percentage of projects remain almost same for all the grades. But the number of projects sent for approval reduces at higher grades.

1.2.4 Univariate Analysis: project_subject_categories

In [13]:

```
categories = list(project_data['project_subject_categories'].values)
# remove special characters from list of strings python:
# https://stackoverflow.com/a/47301924/4084039

# https://www.geeksforgeeks.org/removing-stop-words-nltk-python/
# https://stackoverflow.com/questions/23669024/how-to-strip-a-specific-word-from-a-string
# https://stackoverflow.com/questions/8270092/remove-all-whitespace-in-a-string-in-python
cat_list = []
for i in categories:
    temp = ""
    # consider we have text like this "Math & Science, Warmth, Care & Hunger"
    for j in i.split(','): # it will split it in three parts ["Math & Science", "Warmth", "Care & Hunger"]
        if 'The' in j.split(): # this will split each of the category based on space "Math & Science" => "Math", "&", "Science"
            j = j.replace('The', '') # if we have the words "The" we are going to replace it with '' (i.e. removing 'The')
            j = j.replace(' ', '') # we are placing all the ' ' (space) with '' (empty) ex: "Math & Science" => "Math&Science"
            temp += j.strip() + " " # "abc ".strip() will return "abc", remove the trailing spaces
            temp = temp.replace('&', '_') # we are replacing the & value into
    cat_list.append(temp.strip())
```


In [14]:

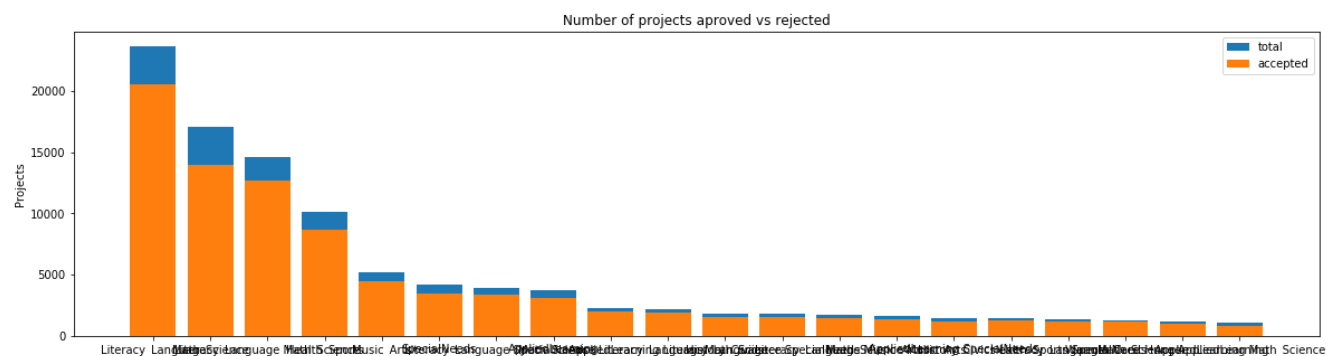
```
project_data['clean_categories'] = cat_list
project_data.drop(['project_subject_categories'], axis=1, inplace=True)
project_data.head(2)
```

Out[14]:

	Unnamed: 0	id	teacher_id	teacher_prefix	school_state	project_submitted_datetime	pro
0	160221	p253737	c90749f5d961ff158d4b4d1e7dc665fc	Mrs.	IN	2016-12-05 13:43:57	Gra
1	140945	p258326	897464ce9ddc600bcd1151f324dd63a	Mr.	FL	2016-10-25 09:22:10	Gra

In [15]:

```
univariate_barplots(project_data, 'clean_categories', 'project_is_approved', top=20)
```



	clean_categories	project_is_approved	total	Avg
24	Literacy_Language	20520	23655	0.867470
32	Math_Science	13991	17072	0.819529
28	Literacy_Language Math_Science	12725	14636	0.869432
8	Health_Sports	8640	10177	0.848973
40	Music_Arts	4429	5180	0.855019

=====

	clean_categories	project_is_approved	total	Avg
19	History_Civics Literacy_Language	1271	1421	0.894441
14	Health_Sports SpecialNeeds	1215	1391	0.873472
50	Warmth Care Hunger	1212	1309	0.925898
33	Math_Science AppliedLearning	1019	1220	0.835246
4	AppliedLearning Math_Science	855	1052	0.812738

OBSERVATION: More number of projects are suggested for the 'Literacy_Language' category and less number of categories for 'AppliedLearning Math_Science'. Even though we don't see a major change in approval percentage for any category, 'Warmth Care_Hunger' has high approval percentage. May be these projects are related to some of the basic amenities required by the students.

In [16]:

```
# count of all the words in corpus python: https://stackoverflow.com/a/22898595/4084039
from collections import Counter
my_counter = Counter()
for word in project_data['clean_categories'].values:
    my_counter.update(word.split())
```

In [17]:

```
# dict sort by value python: https://stackoverflow.com/a/613218/4084039
cat_dict = dict(my_counter)
```

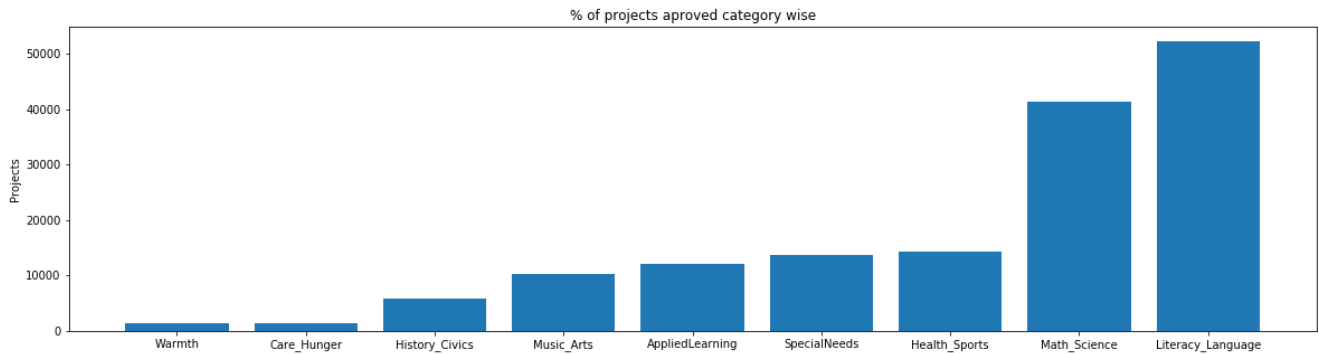
```

cat_dict = dict(my_source)
sorted_cat_dict = dict(sorted(cat_dict.items(), key=lambda kv: kv[1]))

ind = np.arange(len(sorted_cat_dict))
plt.figure(figsize=(20,5))
p1 = plt.bar(ind, list(sorted_cat_dict.values()))

plt.ylabel('Projects')
plt.title('% of projects aproved category wise')
plt.xticks(ind, list(sorted_cat_dict.keys()))
plt.show()

```



In [18]:

```

for i, j in sorted_cat_dict.items():
    print("{:20} :{:10}".format(i,j))

```

```

Warmth           :      1388
Care_Hunger      :      1388
History_Civics   :      5914
Music_Arts       :     10293
AppliedLearning  :     12135
SpecialNeeds     :     13642
Health_Sports    :     14223
Math_Science     :     41421
Literacy_Language :     52239

```

OBSERVATION: When projects with multiple categories are split and the number of projects for each category are taken, the counts will be as shown above.

1.2.5 Univariate Analysis: project_subject_subcategories

In [19]:

```

sub_catogories = list(project_data['project_subject_subcategories'].values)
# remove special characters from list of strings python:
https://stackoverflow.com/a/47301924/4084039

# https://www.geeksforgeeks.org/removing-stop-words-nltk-python/
# https://stackoverflow.com/questions/23669024/how-to-strip-a-specific-word-from-a-string
# https://stackoverflow.com/questions/8270092/remove-all-whitespace-in-a-string-in-python

sub_cat_list = []
for i in sub_catogories:
    temp = ""
    # consider we have text like this "Math & Science, Warmth, Care & Hunger"
    for j in i.split(','): # it will split it in three parts ["Math & Science", "Warmth", "Care & Hunger"]
        if 'The' in j.split(): # this will split each of the catogory based on space "Math & Science"=> "Math", "&", "Science"
            j=j.replace('The','') # if we have the words "The" we are going to replace it with ''(i.e removing 'The')
            j = j.replace(' ', '') # we are placeing all the ' '(space) with ''(empty) ex:"Math & Science"=>"Math&Science"
            temp +=j.strip()+" "# abc ".strip() will return "abc", remove the trailing spaces
            temp = temp.replace('&','_')
    sub_cat_list.append(temp.strip())

```

In [20]:

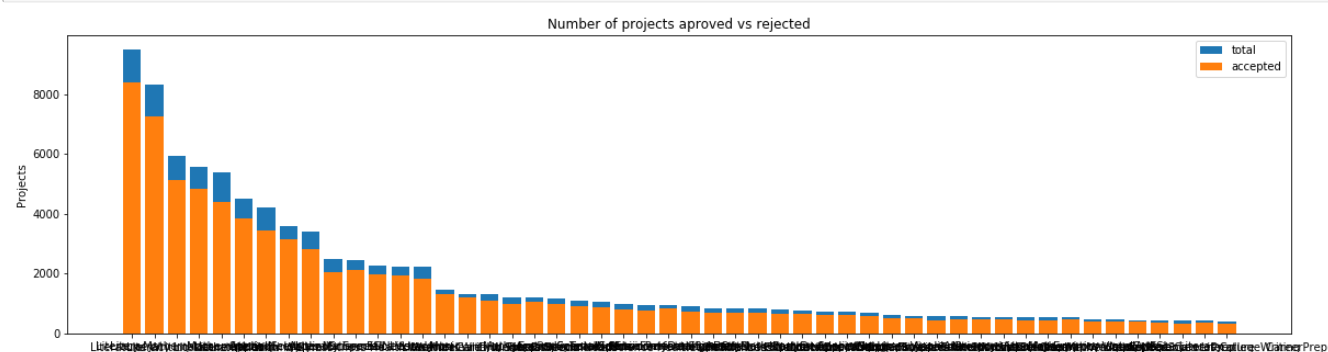
```
project_data['clean_subcategories'] = sub_cat_list
project_data.drop(['project_subject_subcategories'], axis=1, inplace=True)
project_data.head(2)
```

Out[20]:

	Unnamed: 0	id	teacher_id	teacher_prefix	school_state	project_submitted_datetime	pro
0	160221	p253737	c90749f5d961ff158d4b4d1e7dc665fc	Mrs.	IN	2016-12-05 13:43:57	Gra
1	140945	p258326	897464ce9ddc600bced1151f324dd63a	Mr.	FL	2016-10-25 09:22:10	Gra

In [21]:

```
univariate_barplots(project_data, 'clean_subcategories', 'project_is_approved', top=50)
```



	clean_subcategories	project_is_approved	total	Avg
317	Literacy	8371	9486	0.882458
319	Literacy Mathematics	7260	8325	0.872072
331	Literature_Writing Mathematics	5140	5923	0.867803
318	Literacy Literature_Writing	4823	5571	0.865733
342	Mathematics	4385	5379	0.815207

=====

	clean_subcategories	project_is_approved	total	Avg
196	EnvironmentalScience Literacy	389	444	0.876126
127	ESL	349	421	0.828979
79	College_CareerPrep	343	421	0.814727
17	AppliedSciences Literature_Writing	361	420	0.859524
3	AppliedSciences College_CareerPrep	330	405	0.814815

OBSERVATION: There is not much of a difference in the approval percentage of subcategories when there is change in the number of projects sent for approval.

In [22]:

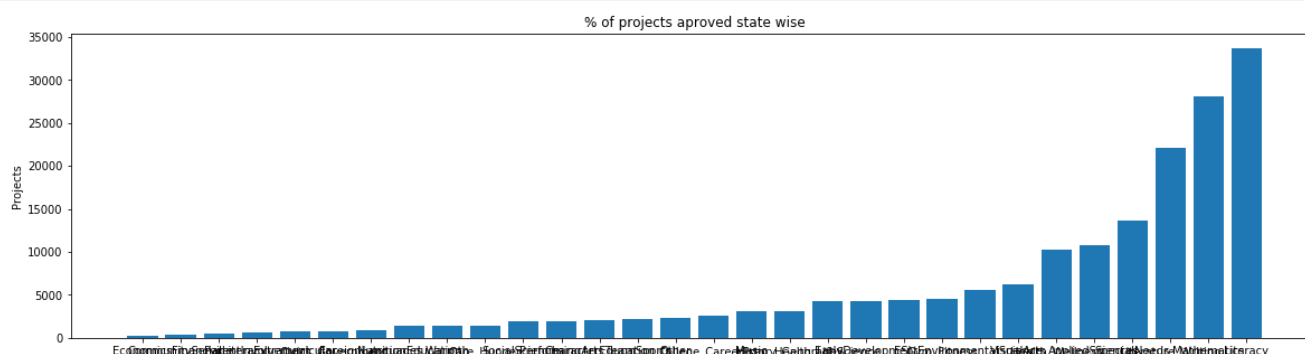
```
# count of all the words in corpus python: https://stackoverflow.com/a/22898595/4084039
from collections import Counter
my_counter = Counter()
for word in project_data['clean_subcategories'].values:
    my_counter.update(word.split())
```

In [23]:

```
# dict sort by value python: https://stackoverflow.com/a/613218/4084039
sub_cat_dict = dict(my_counter)
sorted_sub_cat_dict = dict(sorted(sub_cat_dict.items(), key=lambda kv: kv[1]))
```

```
ind = np.arange(len(sorted_sub_cat_dict))
plt.figure(figsize=(20,5))
p1 = plt.bar(ind, list(sorted_sub_cat_dict.values()))

plt.ylabel('Projects')
plt.title('% of projects aproved state wise')
plt.xticks(ind, list(sorted_sub_cat_dict.keys()))
plt.show()
```



In [24]:

```
for i, j in sorted_sub_cat_dict.items():
    print("{:20} {:10}".format(i,j))
```

```
Economics           :      269
CommunityService    :      441
FinancialLiteracy    :      568
ParentInvolvement   :      677
Extracurricular     :      810
Civics_Government    :      815
ForeignLanguages     :      890
NutritionEducation   :     1355
Warmth              :     1388
Care_Hunger         :     1388
SocialSciences       :     1920
PerformingArts       :     1961
CharacterEducation   :     2065
TeamSports          :     2192
Other               :     2372
College_CareerPrep   :     2568
Music               :     3145
History_Geography    :     3171
Health_LifeScience   :     4235
EarlyDevelopment     :     4254
ESL                 :     4367
Gym_Fitness         :     4509
EnvironmentalScience :     5591
VisualArts          :     6278
Health_Wellness      :    10234
AppliedSciences      :    10816
SpecialNeeds         :    13642
Literature_Writing   :    22179
Mathematics          :    28074
Literacy             :    33700
```

OBSERVATION: When projects with multiple subcategories are split and the number of projects for each subcategory are taken, the counts will be as shown above.

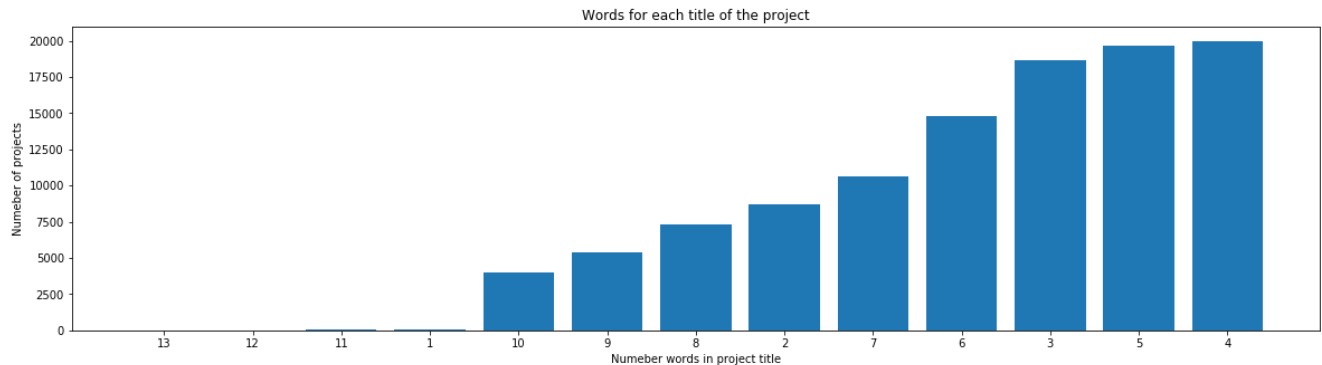
1.2.6 Univariate Analysis: Text features (Title)

In [25]:

```
#How to calculate number of words in a string in DataFrame:
https://stackoverflow.com/a/37483537/4084039
word_count = project_data['project_title'].str.split().apply(len).value_counts()
word_dict = dict(word_count)
word_dict = dict(sorted(word_dict.items(), key=lambda kv: kv[1]))
```

```
ind = np.arange(len(word_dict))
plt.figure(figsize=(20,5))
p1 = plt.bar(ind, list(word_dict.values()))

plt.ylabel('Numeber of projects')
plt.xlabel('Numeber words in project title')
plt.title('Words for each title of the project')
plt.xticks(ind, list(word_dict.keys()))
plt.show()
```



OBSERVATION: The above plot shows that the majority of the projects contains 3,4,5 words. Where as there are very less number of projects with more number of words(11,12,13).

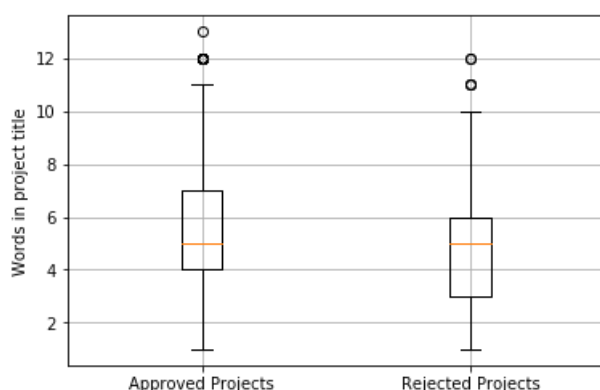
In [26]:

```
approved_title_word_count = project_data[project_data['project_is_approved']==1]['project_title'].str.split().apply(len)
approved_title_word_count = approved_title_word_count.values

rejected_title_word_count = project_data[project_data['project_is_approved']==0]['project_title'].str.split().apply(len)
rejected_title_word_count = rejected_title_word_count.values
```

In [27]:

```
# https://glowingpython.blogspot.com/2012/09/boxplot-with-matplotlib.html
plt.boxplot([approved_title_word_count, rejected_title_word_count])
plt.xticks([1,2], ('Approved Projects', 'Rejected Projects'))
plt.ylabel('Words in project title')
plt.grid()
plt.show()
```

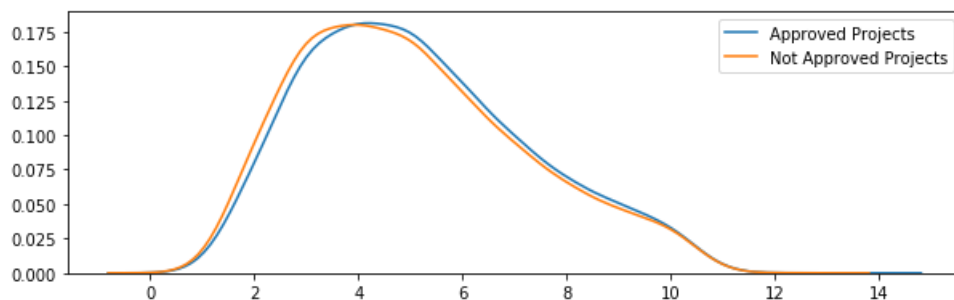


OBSERVATION: The above box plots show that the majority of approved projects contain 4-7 words in the title. And the majority un-approved projects contain 3-6 words in title. Since more number of words imply better explanation of detail, more words in title allows the projects to get approved.

In [28]:

```
plt.figure(figsize=(10,3))
sns.kdeplot(approved_title_word_count, label="Approved Projects", bw=0.6)
sns.kdeplot(rejected_title_word_count, label="Not Approved Projects", bw=0.6)
plt.legend()
```

```
plt.show()
```



OBSERVATION: The kernel density estimate plot of both approved and un-approved projects are similar to each other and we can't infer much from this.

1.2.7 Univariate Analysis: Text features (Project Essay's)

In [29]:

```
# merge two column text dataframe:
project_data["essay"] = project_data["project_essay_1"].map(str) + \
    project_data["project_essay_2"].map(str) + \
    project_data["project_essay_3"].map(str) + \
    project_data["project_essay_4"].map(str)
```

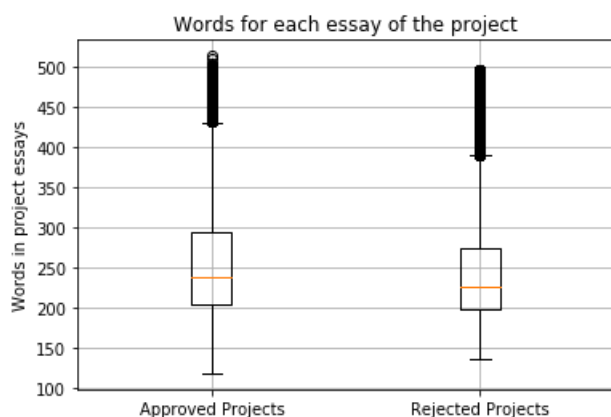
In [30]:

```
approved_word_count = project_data[project_data['project_is_approved']==1]['essay'].str.split().apply(len)
approved_word_count = approved_word_count.values

rejected_word_count = project_data[project_data['project_is_approved']==0]['essay'].str.split().apply(len)
rejected_word_count = rejected_word_count.values
```

In [31]:

```
# https://glowingpython.blogspot.com/2012/09/boxplot-with-matplotlib.html
plt.boxplot([approved_word_count, rejected_word_count])
plt.title('Words for each essay of the project')
plt.xticks([1,2], ('Approved Projects', 'Rejected Projects'))
plt.ylabel('Words in project essays')
plt.grid()
plt.show()
```

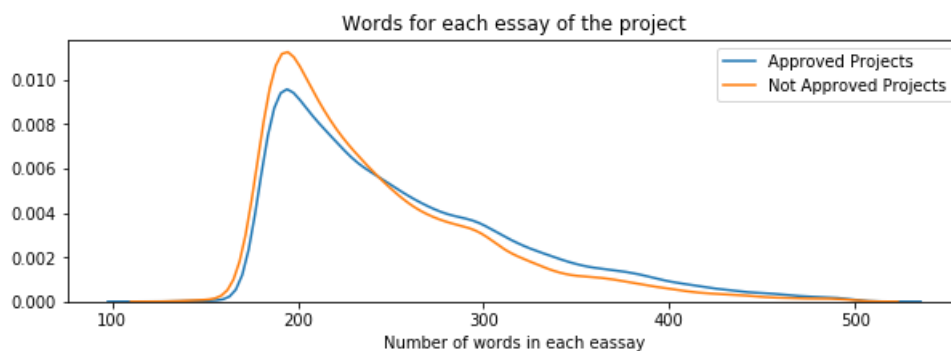


OBSERVATION: The above box plots show that the projects submitted with more number of words in the essays had better chance of approval than the projects with less words in their essays. This may be due to better explanation of projects which may be an implication due to more number of words.

In [32]:

```
plt.figure(figsize=(10,3))
sns.distplot(approved_word_count, hist=False, label="Approved Projects")
```

```
sns.distplot(rejected_word_count, hist=False, label="Not Approved Projects")
plt.title('Words for each essay of the project')
plt.xlabel('Number of words in each eassay')
plt.legend()
plt.show()
```



OBSERVATION: The above plot shows that the projects with less number of words in the essays have more chance of getting rejected than the projects with more words in their essays.

1.2.8 Univariate Analysis: Cost per project

In [33]:

```
# we get the cost of the project using resource.csv file
resource_data.head(2)
```

Out[33]:

	id	description	quantity	price
0	p233245	LC652 - Lakeshore Double-Space Mobile Drying Rack	1	149.00
1	p069063	Bouncy Bands for Desks (Blue support pipes)	3	14.95

In [34]:

```
# https://stackoverflow.com/questions/22407798/how-to-reset-a-dataframes-indexes-for-all-groups-in-one-step
price_data = resource_data.groupby('id').agg({'price':'sum', 'quantity':'sum'}).reset_index()
price_data.head(2)
```

Out[34]:

	id	price	quantity
0	p000001	459.56	7
1	p000002	515.89	21

In [35]:

```
# join two dataframes in python:
project_data = pd.merge(project_data, price_data, on='id', how='left')
```

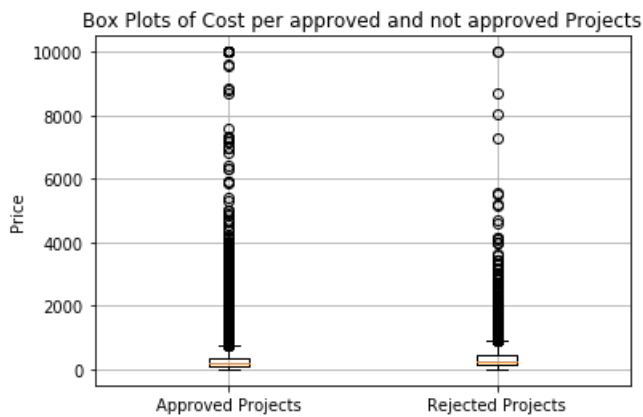
In [36]:

```
approved_price = project_data[project_data['project_is_approved']==1]['price'].values
rejected_price = project_data[project_data['project_is_approved']==0]['price'].values
```

In [37]:

```
# https://glowingpython.blogspot.com/2012/09/boxplot-with-matplotlib.html
plt.boxplot([approved_price, rejected_price])
```

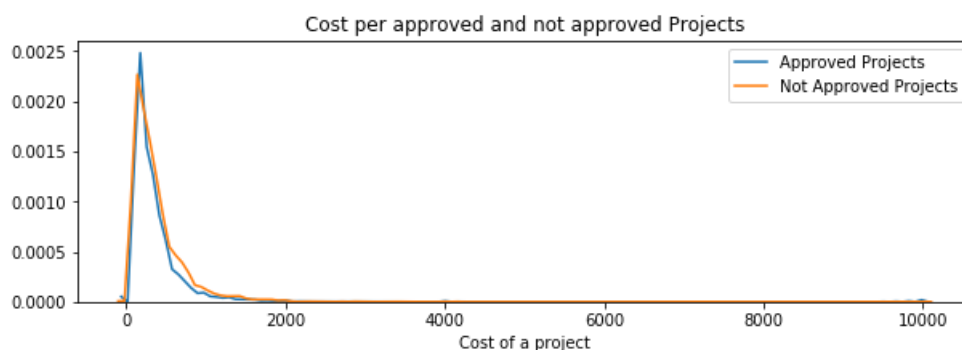
```
plt.title('Box Plots of Cost per approved and not approved Projects')
plt.xticks([1,2], ('Approved Projects', 'Rejected Projects'))
plt.ylabel('Price')
plt.grid()
plt.show()
```



OBSERVATION: The above box plots does not reveal much info on the role played by price of project, in order for the project to be selected.

In [38]:

```
plt.figure(figsize=(10,3))
sns.distplot(approved_price, hist=False, label="Approved Projects")
sns.distplot(rejected_price, hist=False, label="Not Approved Projects")
plt.title('Cost per approved and not approved Projects')
plt.xlabel('Cost of a project')
plt.legend()
plt.show()
```



OBSERVATION: The distribution plot also doesn't reveal much about the part played by the price of project, in order for the project to be selected.

In [39]:

```
# http://zetcode.com/python/prettytable/
from prettytable import PrettyTable

#If you get a ModuleNotFoundError error , install prettytable using: pip3 install prettytable

x = PrettyTable()
x.field_names = ["Percentile", "Approved Projects", "Not Approved Projects"]

for i in range(0,101,5):
    x.add_row([i,np.round(np.percentile(approved_price,i), 3), np.round(np.percentile(rejected_price,i), 3)])
print(x)
```

Percentile	Approved Projects	Not Approved Projects
0	0.66	1.97
5	13.59	41.9
10	33.88	73.67
15	58.0	99.109

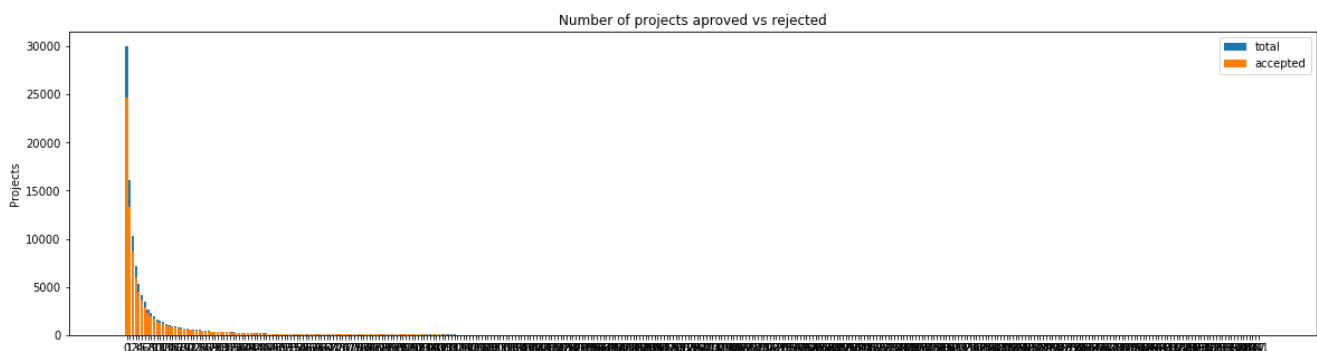
	20		77.38		118.56	
	25		99.95		140.892	
	30		116.68		162.23	
	35		137.232		184.014	
	40		157.0		208.632	
	45		178.265		235.106	
	50		198.99		263.145	
	55		223.99		292.61	
	60		255.63		325.144	
	65		285.412		362.39	
	70		321.225		399.99	
	75		366.075		449.945	
	80		411.67		519.282	
	85		479.0		618.276	
	90		593.11		739.356	
	95		801.598		992.486	
	100		9999.0		9999.0	
+-----+-----+-----+-----+						

OBSERVATION: The percentiles in above table reveals that, the price quoted for the approved projects are comparatively less than that of the non-approved projects.

1.2.9 Univariate Analysis: teacher_number_of_previously_posted_projects

In [40]:

```
univariate_barplots(project_data, 'teacher_number_of_previously_posted_projects',
'project_is_approved' , top=False)
```



	teacher_number_of_previously_posted_projects	project_is_approved	total	\
0	0	24652	30014	
1	1	13329	16058	
2	2	8705	10350	
3	3	5997	7110	
4	4	4452	5266	

	Avg
0	0.821350
1	0.830054
2	0.841063
3	0.843460
4	0.845423

```
=====
teacher_number_of_previously_posted_projects  project_is_approved  total  \
242                                           242          1          1
268                                           270          1          1
234                                           234          1          1
335                                           347          1          1
373                                           451          1          1
```

	Avg
242	1.0
268	1.0
234	1.0
335	1.0
373	1.0

OBSERVATION: The above analysis show that there is an approval percentage of above 80% regardless of the number of projects proposed by the teacher. However the approval percentage is more for teachers who have less number previously proposed projects.

1.2.10 Univariate Analysis: project_resource_summary

In [41]:

```
project_data.columns.values
project_data.shape
```

Out[41]:

(109248, 20)

In [42]:

```
res_sum_num=project_data[project_data['project_resource_summary'].str.match('.*[0-9*]*.*')]#https://davidhamann.de/2017/06/26/pandas-select-elements-by-string/
```

In [43]:

```
res_sum_num.shape
```

Out[43]:

(15764, 20)

In [44]:

```
def univariate_barplots_res_sum_num(data, col1, col2='project_is_approved', top=False):
    # Count number of zeros in dataframe python: https://stackoverflow.com/a/51540521/4084039
    temp = pd.DataFrame(res_sum_num.groupby(col1)[col2].agg(lambda x: x.eq(1).sum())).reset_index()

    # Pandas dataframe grouby count: https://stackoverflow.com/a/19385591/4084039
    temp['total'] = pd.DataFrame(res_sum_num.groupby(col1)[col2].agg({'total': 'count'})).reset_index()[col1]
    temp['Avg'] = pd.DataFrame(res_sum_num.groupby(col1)[col2].agg({'Avg': 'mean'})).reset_index()[col1]

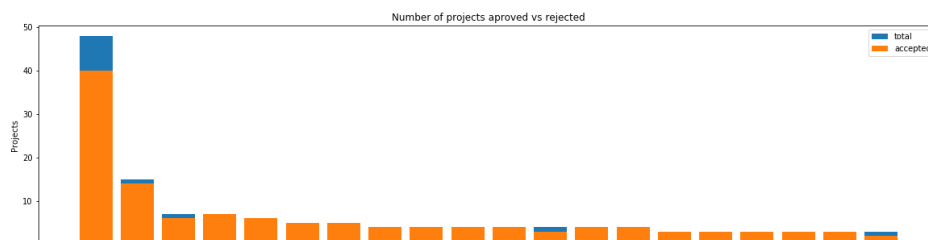
    temp.sort_values(by=['total'], inplace=True, ascending=False)

    if top:
        temp = temp[0:top]

    stack_plot(temp, xtick=col1, col2=col2, col3='total')
    print(temp.head(5))
    print("="*50)
    print(temp.tail(5))
```

In [45]:

```
univariate_barplots_res_sum_num(res_sum_num, 'project_resource_summary', 'project_is_approved',
top=20)
```



	project_resource_summary	project_is_approved	\
12377	My students need electronic tablets to do all ...	40	
8458	My students need Chromebooks to do all the thi...	14	
12105	My students need chromebooks to do all the thi...	6	
9716	My students need a Dell Chromebook 3120 and a ...	7	
9707	My students need a Dell Chromebook 3120 11 6 C...	6	
	total	Avg	
12377	48	0.833333	

```

8458      15  0.933333
12105      7  0.857143
9716       7  1.000000
9707       6  1.000000

```

```

=====
                                project_resource_summary  project_is_approved  \
5264  My students need 4 Techni Mobili Mobile Laptop...                3
9713  My students need a Dell Chromebook 3120 11.6\"...                3
3467  My students need 3 Chromebooks to use for indi...                3
7751  My students need 7 Hokki stools to get ACTIVE ...                3
14065  My students need supplies to help them create,...                2

      total      Avg
5264      3  1.000000
9713      3  1.000000
3467      3  1.000000
7751      3  1.000000
14065     3  0.666667

```

OBSERVATION: The above analysis show the approval percentage of projects with numeric values in the resource summary. Based on the bar plots we can see that there is almost 90% approval rate on proposals with numbers in the resource summary.

In [46]:

```

res_sum_without_num=project_data[project_data['project_resource_summary'].str.contains('.*[0-9].*')
]==False] #https://davidhamann.de/2017/06/26/pandas-select-elements-by-string/

```

In [47]:

```

res_sum_without_num.shape

```

Out[47]:

```

(93492, 20)

```

In [48]:

```

def univariate_barplots_res_sum_without_num(data, col1, col2='project_is_approved', top=False):
    # Count number of zeros in dataframe python: https://stackoverflow.com/a/51540521/4084039
    temp = pd.DataFrame(res_sum_without_num.groupby(col1)[col2].agg(lambda x: x.eq(1).sum())).reset_index()

    # Pandas dataframe grouby count: https://stackoverflow.com/a/19385591/4084039
    temp['total'] = pd.DataFrame(res_sum_without_num.groupby(col1)[col2].agg({'total': 'count'})).reset_index()['total']
    temp['Avg'] = pd.DataFrame(res_sum_without_num.groupby(col1)[col2].agg({'Avg': 'mean'})).reset_index()['Avg']

    temp.sort_values(by=['total'], inplace=True, ascending=False)

    if top:
        temp = temp[0:top]

    stack_plot(temp, xtick=col1, col2=col2, col3='total')
    print(temp.head(5))
    print("="*50)
    print(temp.tail(5))

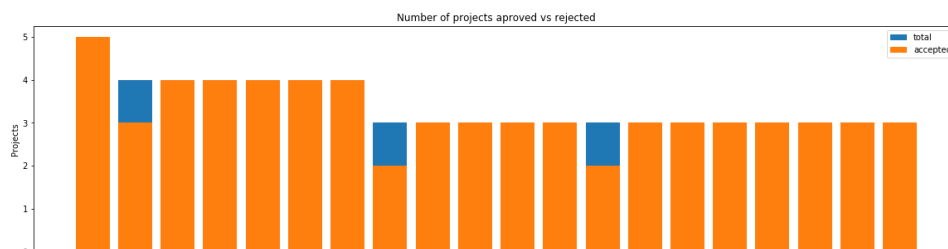
```

In [49]:

```

univariate_barplots_res_sum_without_num(res_sum_without_num, 'project_resource_summary',
'project_is_approved', top=20)

```



```

                                project_resource_summary  project_is_approved  \
9116  My students need a Dell Chromebook and Google ...                5
2007  My students need Chromebooks to open the doors...                3
28137 My students need an Apple MacBook Pro to conne...                4
49972 My students need graphing calculators and a do...                4
68854 My students need quick and flexible grouping o...                4

      total  Avg
9116      5  1.00
2007      4  0.75
28137     4  1.00
49972     4  1.00
68854     4  1.00
=====
                                project_resource_summary  project_is_approved  \
77565 My students need technology in the form of Chr...                3
12782 My students need a classroom iPad to enhance t...                3
19733 My students need a pretend kitchen set with ac...                3
31655 My students need another HP Chromebook and a G...                3
77561 My students need technology in the classroom. ...                3

      total  Avg
77565     3  1.0
12782     3  1.0
19733     3  1.0
31655     3  1.0
77561     3  1.0

```

OBSERVATION: The above analysis show the approval percentage of projects without numeric values in the resource summary. Based on the bar plots we can see that there is almost 100% approval rate on proposals without numbers in the resource summary. So the presence of numeric values in the resource summary does not seem to be playing a important role in project approval. But there is slight edge for the summaries with numeric values over those with numeric values.

1.3 Text preprocessing

1.3.1 Essay Text

In [50]:

```
project_data.head(2)
```

Out[50]:

	Unnamed: 0	id	teacher_id	teacher_prefix	school_state	project_submitted_datetime	pro
0	160221	p253737	c90749f5d961ff158d4b4d1e7dc665fc	Mrs.	IN	2016-12-05 13:43:57	Gra
1	140945	p258326	897464ce9ddc600bcd1151f324dd63a	Mr.	FL	2016-10-25 09:22:10	Gra

In [51]:

```

# printing some random essays.
print(project_data['essay'].values[0])
print("="*50)
print(project_data['essay'].values[1])

```

```

print(project_data['essay'].values[150])
print("="*50)
print(project_data['essay'].values[1000])
print("="*50)
print(project_data['essay'].values[5000])
print("="*50)
print(project_data['essay'].values[5999])
print("="*50)

```

My students are English learners that are working on English as their second or third languages. We are a melting pot of refugees, immigrants, and native-born Americans bringing the gift of language to our school. \r\n\r\n We have over 24 languages represented in our English Learner program with students at every level of mastery. We also have over 40 countries represented with the families within our school. Each student brings a wealth of knowledge and experiences to us that open our eyes to new cultures, beliefs, and respect.\"The limits of your language are the limits of your world.\"-Ludwig Wittgenstein Our English learner's have a strong support system at home that begs for more resources. Many times our parents are learning to read and speak English alongside of their children. Sometimes this creates barriers for parents to be able to help their child learn phonetics, letter recognition, and other reading skills.\r\n\r\nBy providing these dvd's and players, students are able to continue their mastery of the English language even if no one at home is able to assist. All families with students within the Level 1 proficiency status, will be offered to be a part of this program. These educational videos will be specially chosen by the English Learner Teacher and will be sent home regularly to watch. The videos are to help the child develop early reading skills.\r\n\r\nParents that do not have access to a dvd player will have the opportunity to check out a dvd player to use for the year. The plan is to use these videos and educational dvd's for the years to come for other EL students.\r\nnnnnnn

=====

The 51 fifth grade students that will cycle through my classroom this year all love learning, at least most of the time. At our school, 97.3% of the students receive free or reduced price lunch. Of the 560 students, 97.3% are minority students. \r\nThe school has a vibrant community that loves to get together and celebrate. Around Halloween there is a whole school parade to show off the beautiful costumes that students wear. On Cinco de Mayo we put on a big festival with crafts made by the students, dances, and games. At the end of the year the school hosts a carnival to celebrate the hard work put in during the school year, with a dunk tank being the most popular activity. My students will use these five brightly colored Hokki stools in place of regular, stationary, 4-legged chairs. As I will only have a total of ten in the classroom and not enough for each student to have an individual one, they will be used in a variety of ways. During independent reading time they will be used as special chairs students will each use on occasion. I will utilize them in place of chairs at my small group tables during math and reading times. The rest of the day they will be used by the students who need the highest amount of movement in their life in order to stay focused on school.\r\n\r\nWhenever asked what the classroom is missing, my students always say more Hokki Stools. They can't get their fill of the 5 stools we already have. When the students are sitting in group with me on the Hokki Stools, they are always moving, but at the same time doing their work. Anytime the students get to pick where they can sit, the Hokki Stools are the first to be taken. There are always students who head over to the kidney table to get one of the stools who are disappointed as there are not enough of them. \r\n\r\nWe ask a lot of students to sit for 7 hours a day. The Hokki stools will be a compromise that allow my students to do desk work and move at the same time. These stools will help students to meet their 60 minutes a day of movement by allowing them to activate their core muscles for balance while they sit. For many of my students, these chairs will take away the barrier that exists in schools for a child who can't sit still.nnnnn

=====

How do you remember your days of school? Was it in a sterile environment with plain walls, rows of desks, and a teacher in front of the room? A typical day in our room is nothing like that. I work hard to create a warm inviting themed room for my students look forward to coming to each day.\r\n\r\nMy class is made up of 28 wonderfully unique boys and girls of mixed races in Arkansas.\r\nThey attend a Title I school, which means there is a high enough percentage of free and reduced-price lunch to qualify. Our school is an \"open classroom\" concept, which is very unique as there are no walls separating the classrooms. These 9 and 10 year-old students are very eager learners; they are like sponges, absorbing all the information and experiences and keep on wanting more. With these resources such as the comfy red throw pillows and the whimsical nautical hanging decor and the blue fish nets, I will be able to help create the mood in our classroom setting to be one of a themed nautical environment. Creating a classroom environment is very important in the success in each and every child's education. The nautical photo props will be used with each child as they step foot into our classroom for the first time on Meet the Teacher evening. I'll take pictures of each child with them, have them developed, and then hung in our classroom ready for their first day of 4th grade. This kind gesture will set the tone before even the first day of school! The nautical thank you cards will be used throughout the year by the students as they create thank you cards to their team groups.\r\n\r\nYour generous donations will help me to help make our classroom a fun, inviting, learning environment from day one.\r\n\r\nIt costs a lot of money out of my own pocket on resources to get our classroom ready. Please consider helping with this project to make our new school year a very successful one. Thank you!nnnnn

=====

My class is made up of students from various grade levels. We work hard in filling learning gaps and have students reach grade level. My students are dealing with emotional issues that make it hard for them to handle frustration with tasks and need a lot of individual attention. By learning to work independently, my students will have the chance to mainstream into other classrooms with the

eir peer groups. Our biggest goal with my students is for them to learn not only to control their emotions but to learn how to be students. Many of them have spent a large amount of time absent from school for different reasons and need to get into the routine of being in class and on task all day. Modeling good classroom routines and task is important for them to master and move back into general education classrooms. Being apart of a Title 1 school means resources that students need are re massive and a lot of supplies are shared with parents to make sure homework is completed. Bouncy Bands will give my students a way to get rid of anxiety, tension, and energy all while staying at their desk and working independently. Students will use the bands at either their desk or at a whole group table with a chair and avoid having to get up or be asked to stop moving. Movement is the key to keeping students with ADHD and other disabilities focused and finishing up their assignments or staying on task while the teacher is teaching. \r\n My goal is to help my students learn helpful strategies that will allow them to join their peers in the general education setting. By learning how to maintain focus by getting their wiggles and extra energy and grow academically. nannan

My students are bright eyed and starving for knowledge. My Pre-K -1 children are like a sponge, they want to learn everything and they learn so much by using their senses and intuition. Although my students are on the Autistic spectrum they are just as curious and want what all children want which is to have fun, be excepted by their peers and mentors, feel safe and comforted, explore the world around them and they want to experience and learn new things. My students have language and speech delays and verbal communication is very difficult. My students use a picture exchange communication system and are learning to read and write. \r\n\r\nThe Boogie Boards will be a great tool for my students to use. They will be able to write and use these boards to communicate. It will also motivate them to learn. The size and different textures of the stylus will make it easy for my students to hold the stylus. My students's fine motor skills are also low. \r\n\r\n\r\nThe Magnetic board, Magnetic Letters and stamps will be a great addition to help facilitate language. \r\nnannan

In [52]:

```

# https://stackoverflow.com/a/47091490/4084039
import re

def decontracted(phrase):
    # specific
    phrase = re.sub(r"won't", "will not", phrase)
    phrase = re.sub(r"can't", "can not", phrase)

    # general
    phrase = re.sub(r"n't", " not", phrase)
    phrase = re.sub(r"'\re", " are", phrase)
    phrase = re.sub(r"'\s", " is", phrase)
    phrase = re.sub(r"'\d", " would", phrase)
    phrase = re.sub(r"'\ll", " will", phrase)
    phrase = re.sub(r"'\t", " not", phrase)
    phrase = re.sub(r"'\ve", " have", phrase)
    phrase = re.sub(r"'\m", " am", phrase)
    return phrase
  
```

In [53]:

```

sent = decontracted(project_data['essay'].values[1000])
print(sent)
print("="*50)
  
```

How do you remember your days of school? Was it in a sterile environment with plain walls, rows of desks, and a teacher in front of the room? A typical day in our room is nothing like that. I work hard to create a warm inviting themed room for my students look forward to coming to each day. \r\n\r\nMy class is made up of 28 wonderfully unique boys and girls of mixed races in Arkansas. \r\nThey attend a Title I school, which means there is a high enough percentage of free and reduced-price lunch to qualify. Our school is an "open classroom" concept, which is very unique as there are no walls separating the classrooms. These 9 and 10 year-old students are very eager learners; they are like sponges, absorbing all the information and experiences and keep on wanting more. With these resources such as the comfy red throw pillows and the whimsical nautical hanging decor and the blue fish nets, I will be able to help create the mood in our classroom setting to be one of a themed nautical environment. Creating a classroom environment is very important in the success in each and every child's education. The nautical photo props will be used with each child as they step foot into our classroom for the first time on Meet the Teacher evening. I will take pictures of each child with them, have them developed, and then hung in our classroom ready for their first day of 4th grade. This kind gesture will set the tone before even the first day of school! The nautical thank you cards will be used throughout the year by the students as they create thank you cards to their team groups. \r\n\r\n\r\nYour generous donations will help me to help make our classroom a fun, inviting, learning environment from day one. \r\n\r\n\r\nIt costs a lot of money out of my own pocket on resources to get our classroom ready. Please consider helping with this project.

ect to make our new school year a very successful one. Thank you!nannan

=====

In [54]:

```
# \r \n \t remove from string python: http://texthandler.com/info/remove-line-breaks-python/
sent = sent.replace('\r', ' ')
sent = sent.replace('\n', ' ')
sent = sent.replace('\t', ' ')
print(sent)
```

How do you remember your days of school? Was it in a sterile environment with plain walls, rows of desks, and a teacher in front of the room? A typical day in our room is nothing like that. I work hard to create a warm inviting themed room for my students look forward to coming to each day. My class is made up of 28 wonderfully unique boys and girls of mixed races in Arkansas. They attend a Title I school, which means there is a high enough percentage of free and reduced-price lunch to qualify. Our school is an open classroom concept, which is very unique as there are no walls separating the classrooms. These 9 and 10 year-old students are very eager learners; they are like sponges, absorbing all the information and experiences and keep on wanting more. With these resources such as the comfy red throw pillows and the whimsical nautical hanging decor and the blue fish nets, I will be able to help create the mood in our classroom setting to be one of a themed nautical environment. Creating a classroom environment is very important in the success in each and every child is education. The nautical photo props will be used with each child as they step foot into our classroom for the first time on Meet the Teacher evening. I will take pictures of each child with them, have them developed, and then hung in our classroom ready for their first day of 4th grade. This kind gesture will set the tone before even the first day of school! The nautical thank you cards will be used throughout the year by the students as they create thank you cards to their team groups. Your generous donations will help me to help make our classroom a fun, inviting, learning environment from day one. It costs lost of money out of my own pocket on resources to get our classroom ready. Please consider helping with this project to make our new school year a very successful one. Thank you!nannan

In [55]:

```
#remove spacial character: https://stackoverflow.com/a/5843547/4084039
sent = re.sub('[^A-Za-z0-9]+', ' ', sent)
print(sent)
```

How do you remember your days of school Was it in a sterile environment with plain walls rows of desks and a teacher in front of the room A typical day in our room is nothing like that I work hard to create a warm inviting themed room for my students look forward to coming to each day My class is made up of 28 wonderfully unique boys and girls of mixed races in Arkansas They attend a Title I school which means there is a high enough percentage of free and reduced price lunch to qualify Our school is an open classroom concept which is very unique as there are no walls separating the classrooms These 9 and 10 year old students are very eager learners they are like sponges absorbing all the information and experiences and keep on wanting more With these resources such as the comfy red throw pillows and the whimsical nautical hanging decor and the blue fish nets I will be able to help create the mood in our classroom setting to be one of a themed nautical environment Creating a classroom environment is very important in the success in each and every child is education The nautical photo props will be used with each child as they step foot into our classroom for the first time on Meet the Teacher evening I will take pictures of each child with them have them developed and then hung in our classroom ready for their first day of 4th grade This kind gesture will set the tone before even the first day of school The nautical thank you cards will be used throughout the year by the students as they create thank you cards to their team groups Your generous donations will help me to help make our classroom a fun inviting learning environment from day one It costs lost of money out of my own pocket on resources to get our classroom ready Please consider helping with this project to make our new school year a very successful one Thank you nannan

In [56]:

```
# https://gist.github.com/sebleier/554280
# we are removing the words from the stop words list: 'no', 'nor', 'not'
stopwords= ['i', 'me', 'my', 'myself', 'we', 'our', 'ours', 'ourselves', 'you', "you're", "you've", \
            "you'll", "you'd", 'your', 'yours', 'yourself', 'yourselves', 'he', 'him', 'his', 'himself', \
            'she', "she's", 'her', 'hers', 'herself', 'it', "it's", 'its', 'itself', 'they', 'them', 'their', \
            'theirs', 'themselves', 'what', 'which', 'who', 'whom', 'this', 'that', "that'll", 'these', 'those', \
            'am', 'is', 'are', 'was', 'were', 'be', 'been', 'being', 'have', 'has', 'had', 'having', 'do', 'does', \
```

```

'did', 'doing', 'a', 'an', 'the', 'and', 'but', 'if', 'or', 'because', 'as', 'until', '
while', 'of', \
'at', 'by', 'for', 'with', 'about', 'against', 'between', 'into', 'through', 'during',
'before', 'after', \
'above', 'below', 'to', 'from', 'up', 'down', 'in', 'out', 'on', 'off', 'over', 'under'
, 'again', 'further', \
'then', 'once', 'here', 'there', 'when', 'where', 'why', 'how', 'all', 'any', 'both', 'e
ach', 'few', 'more', \
'most', 'other', 'some', 'such', 'only', 'own', 'same', 'so', 'than', 'too', 'very', \
's', 't', 'can', 'will', 'just', 'don', "don't", 'should', "should've", 'now', 'd', 'll'
, 'm', 'o', 're', \
've', 'y', 'ain', 'aren', "aren't", 'couldn', "couldn't", 'didn', "didn't", 'doesn', "dc
esn't", 'hadn', \
'hadn't', 'hasn', "hasn't", 'haven', "haven't", 'isn', "isn't", 'ma', 'mightn',
"mightn't", 'mustn', \
'mustn't', 'needn', "needn't", 'shan', "shan't", 'shouldn', "shouldn't", 'wasn',
"wasn't", 'weren', "weren't", \
'won', "won't", 'wouldn', "wouldn't"]

```

In [57]:

```

# Combining all the above statemennts
from tqdm import tqdm
preprocessed_essays = []
# tqdm is for printing the status bar
for sentence in tqdm(project_data['essay'].values):
    sent = decontracted(sentence)
    sent = sent.replace('\\r', ' ')
    sent = sent.replace('\\\"', ' ')
    sent = sent.replace('\\n', ' ')
    sent = re.sub('[^A-Za-z0-9]+', ' ', sent)
    # https://gist.github.com/sebleier/554280
    sent = ' '.join(e for e in sent.split() if e not in stopwords)
    preprocessed_essays.append(sent.lower().strip())

```

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[01:39<00:00, 1092.57it/s]

In [58]:

```

# after preprocessing
preprocessed_essays[2000]

```

Out[58]:

'describing students not easy task many would say inspirational creative hard working they unique
unique interests learning abilities much what common desire learn day despite difficulties
encounter our classroom amazing understand everyone learns pace as teacher i pride making sure stu
dents always engaged motivated inspired create learning this project help students choose seating
appropriate developmentally many students tire sitting chairs lessons different seats available he
lps keep engaged learning flexible seating important classroom many students struggle attention fo
cus engagement we currently stability balls seating well regular chairs stools help students
trouble balance find difficult sit stability ball long period time we excited try stools part enga
ging classroom community nannan'

1.3.2 Project title Text

In [59]:

```

# printing some random essays.
print(project_data['project_title'].values[7])
print("="*50)
print(project_data['project_title'].values[5])
print("="*50)

```

It's the 21st Century
=====

Flexible Seating for Mrs. Jarvis' Terrific Third Graders!!
=====

In [60]:

```
sent_title = decontracted(project_data['project_title'].values[7])
print(sent_title)
print("="*50)
sent_title1 = decontracted(project_data['project_title'].values[9])
print(sent_title1)
```

It is the 21st Century

=====

Just For the Love of Reading--\r\nPure Pleasure

In [61]:

```
# \r \n \t remove from string python: http://texthandler.com/info/remove-line-breaks-python/
sent_title1 = sent_title1.replace('\r', ' ')
sent_title1 = sent_title1.replace('\\"', ' ')
sent_title1 = sent_title1.replace('\n', ' ')
print(sent_title1)
```

Just For the Love of Reading-- Pure Pleasure

In [62]:

```
#remove spacial character: https://stackoverflow.com/a/5843547/4084039
sent_title1 = re.sub('[^A-Za-z0-9]+', ' ', sent_title1)
print(sent_title1)
```

Just For the Love of Reading Pure Pleasure

In [63]:

```
# Combining all the above statements
from tqdm import tqdm
preprocessed_project_title = []
# tqdm is for printing the status bar
for sentence in tqdm(project_data['project_title'].values):
    sent_title = decontracted(sentence)
    sent_title = sent_title.replace('\r', ' ')
    sent_title = sent_title.replace('\n', ' ')
    sent_title = sent_title.replace('\n', ' ')
    sent_title = re.sub('[^A-Za-z0-9]+', ' ', sent_title)
    # https://gist.github.com/sebleier/554280
    sent_title = ' '.join(e for e in sent_title.split() if e not in stopwords)
    preprocessed_project_title.append(sent_title.lower().strip())
```

```
100%|██████████████████████████████████████████████████████████████████████████| 109248/109248  
[00:04<00:00, 24296.39it/s]
```

In [64]:

```
# after preprocessing
print(preprocessed_project_title[5])
print(preprocessed project title[7])
```

flexible seating mrs jarvis terrific third graders
it 21st century

In [65]:

```
title = list(project_data['project_title'].values)
# remove special characters from list of strings python:
https://stackoverflow.com/a/47301924/4084039

# https://www.geeksforgeeks.org/removing-stop-words-nltk-python/
# https://stackoverflow.com/questions/23669024/how-to-strip-a-specific-word-from-a-string
# https://stackoverflow.com/questions/8270092/remove-all-whitespace-in-a-string-in-python
title_list = []
for i in title:
    temp = ""
```

```
# consider we have text like this "Math & Science, Warmth, Care & Hunger"
for j in i.split(','): # it will split it in three parts ["Math & Science", "Warmth", "Care & Hunger"]
    if 'The' in j.split(): # this will split each of the category based on space "Math & Science" => "Math", "&", "Science"
        j=j.replace('The','') # if we have the words "The" we are going to replace it with '' (i.e removing 'The')
        j = j.replace(' ', '') # we are replacing all the ' ' (space) with '' (empty) ex: "Math & Science" => "Math&Science"
        temp+=j.strip()+" " # " abc ".strip() will return "abc", remove the trailing spaces
        temp = temp.replace('&','_') # we are replacing the & value into _
        title_list.append(temp.strip())
```

In [66]:

```
project_data['preprocessed_project_title'] = title_list
#project_data.drop(['project_title'], axis=1, inplace=True)
project_data.head(2)
```

Out[66]:

	Unnamed: 0	id	teacher_id	teacher_prefix	school_state	project_submitted_datetime	project_grade_category
0	160221	p253737	c90749f5d961ff158d4b4d1e7dc665fc	Mrs.	IN	2016-12-05 13:43:57	Grade 5-6
1	140945	p258326	897464ce9ddc600bced1151f324dd63a	Mr.	FL	2016-10-25 09:22:10	Grade 5-6

2 rows × 21 columns

1. 4 Preparing data for models

In [67]:

```
project_data.columns
```

Out[67]:

```
Index(['Unnamed: 0', 'id', 'teacher_id', 'teacher_prefix', 'school_state',
      'project_submitted_datetime', 'project_grade_category', 'project_title',
      'project_essay_1', 'project_essay_2', 'project_essay_3',
      'project_essay_4', 'project_resource_summary',
      'teacher_number_of_previously_posted_projects', 'project_is_approved',
      'clean_categories', 'clean_subcategories', 'essay', 'price', 'quantity',
      'preprocessed_project_title'],
      dtype='object')
```

we are going to consider

- school_state : categorical data
- clean_categories : categorical data
- clean_subcategories : categorical data
- project_grade_category : categorical data
- teacher_prefix : categorical data

```
- project_title : text data
- text : text data
- project_resource_summary: text data

- quantity : numerical
- teacher_number_of_previously_posted_projects : numerical
- price : numerical
```

1.4.1 Vectorizing Categorical data

- <https://www.appliedaicourse.com/course/applied-ai-course-online/lessons/handling-categorical-and-numerical-features/>

In [68]:

```
list(project_data.columns.values)
```

Out[68]:

```
['Unnamed: 0',
 'id',
 'teacher_id',
 'teacher_prefix',
 'school_state',
 'project_submitted_datetime',
 'project_grade_category',
 'project_title',
 'project_essay_1',
 'project_essay_2',
 'project_essay_3',
 'project_essay_4',
 'project_resource_summary',
 'teacher_number_of_previously_posted_projects',
 'project_is_approved',
 'clean_categories',
 'clean_subcategories',
 'essay',
 'price',
 'quantity',
 'preprocessed_project_title']
```

In [69]:

```
project_data['teacher_prefix'].values
```

Out[69]:

```
array(['Mrs.', 'Mr.', 'Ms.', ..., 'Mrs.', 'Mrs.', 'Ms.'], dtype=object)
```

In [70]:

```
project_data['school_state'].values
```

Out[70]:

```
array(['IN', 'FL', 'AZ', ..., 'NJ', 'NY', 'VA'], dtype=object)
```

In [71]:

```
project_data['project_grade_category'].values
```

Out[71]:

```
array(['Grades PreK-2', 'Grades 6-8', 'Grades 6-8', ..., 'Grades PreK-2',
      'Grades 3-5', 'Grades 6-8'], dtype=object)
```

In [72]:

```
# we use count vectorizer to convert the values into one hot encoded features
from sklearn.feature_extraction.text import CountVec...
```

```

from sklearn.feature_extraction.text import CountVectorizer
vectorizer = CountVectorizer(vocabulary=list(sorted_cat_dict.keys()), lowercase=False, binary=True)
vectorizer.fit(project_data['clean_categories'].values)
print(vectorizer.get_feature_names())

categories_one_hot = vectorizer.transform(project_data['clean_categories'].values)
print("Shape of matrix after one hot encoding", categories_one_hot.shape)

```

```

['Warmth', 'Care_Hunger', 'History_Civics', 'Music_Arts', 'AppliedLearning', 'SpecialNeeds',
'Health_Sports', 'Math_Science', 'Literacy_Language']
Shape of matrix after one hot encoding (109248, 9)

```

In [73]:

```

# we use count vectorizer to convert the values into one hot encoded features
vectorizer = CountVectorizer(vocabulary=list(sorted_sub_cat_dict.keys()), lowercase=False, binary=True)
vectorizer.fit(project_data['clean_subcategories'].values)
print(vectorizer.get_feature_names())

sub_categories_one_hot = vectorizer.transform(project_data['clean_subcategories'].values)
print("Shape of matrix after one hot encoding", sub_categories_one_hot.shape)

```

```

['Economics', 'CommunityService', 'FinancialLiteracy', 'ParentInvolvement', 'Extracurricular',
'Civics_Government', 'ForeignLanguages', 'NutritionEducation', 'Warmth', 'Care_Hunger',
'SocialSciences', 'PerformingArts', 'CharacterEducation', 'TeamSports', 'Other',
'College_CareerPrep', 'Music', 'History_Geography', 'Health_LifeScience', 'EarlyDevelopment', 'ESL',
'Gym_Fitness', 'EnvironmentalScience', 'VisualArts', 'Health_Wellness', 'AppliedSciences',
'SpecialNeeds', 'Literature_Writing', 'Mathematics', 'Literacy']
Shape of matrix after one hot encoding (109248, 30)

```

In [74]:

```

# count of all the words in corpus python: https://stackoverflow.com/a/22898595/4084039
from collections import Counter
my_counter = Counter()
for word in project_data['school_state'].values:
    my_counter.update(word.split())
# dict sort by value python: https://stackoverflow.com/a/613218/4084039
state_dict = dict(my_counter)
sorted_state_dict = dict(sorted(state_dict.items(), key=lambda kv: kv[1]))

```

In [75]:

```

# we use count vectorizer to convert the values into one hot encoded features
vectorizer = CountVectorizer(vocabulary=list(sorted_state_dict.keys()), lowercase=False, binary=True)
vectorizer.fit(project_data['school_state'].values)
print(vectorizer.get_feature_names())

states_one_hot = vectorizer.transform(project_data['school_state'].values)
print("Shape of matrix after one hot encoding", states_one_hot.shape)

```

```

['VT', 'WY', 'ND', 'MT', 'RI', 'SD', 'NE', 'DE', 'AK', 'NH', 'WV', 'ME', 'HI', 'DC', 'NM', 'KS', 'IA',
'ID', 'AR', 'CO', 'MN', 'OR', 'KY', 'MS', 'NV', 'MD', 'CT', 'TN', 'UT', 'AL', 'WI', 'VA', 'AZ',
'NJ', 'OK', 'WA', 'MA', 'LA', 'OH', 'MO', 'IN', 'PA', 'MI', 'SC', 'GA', 'IL', 'NC', 'FL', 'NY', 'TX',
'CA']
Shape of matrix after one hot encoding (109248, 51)

```

In [76]:

```

# count of all the words in corpus python: https://stackoverflow.com/a/22898595/4084039
from collections import Counter
my_counter = Counter()
for word in project_data['project_grade_category'].values:
    #print(word)
    my_counter.update(word.split(' '))
# dict sort by value python: https://stackoverflow.com/a/613218/4084039

```

```
grades_dict = dict(my_counter)
sorted_grade_dict = dict(sorted(grades_dict.items(), key=lambda kv: kv[1]))
```

In [77]:

```
# we use count vectorizer to convert the values into one hot encoded features
vectorizer = CountVectorizer(vocabulary=list(sorted_grade_dict.keys()), lowercase=False, binary=True)
vectorizer.fit(project_data['project_grade_category'].values)
print(vectorizer.get_feature_names())

grades_one_hot = vectorizer.transform(project_data['project_grade_category'].values)
print("Shape of matrix after one hot encoding ", grades_one_hot.shape)
```

```
['Grades 9-12', 'Grades 6-8', 'Grades 3-5', 'Grades PreK-2']
Shape of matrix after one hot encoding (109248, 4)
```

In [78]:

```
# count of all the words in corpus python: https://stackoverflow.com/a/22898595/4084039
from collections import Counter
my_counter = Counter()
project_data['teacher_prefix'] = project_data['teacher_prefix'].fillna('')
for word in project_data['teacher_prefix'].values:
    #print(word)
    my_counter.update(word.split())
# dict sort by value python: https://stackoverflow.com/a/613218/4084039
teacherprefix_dict = dict(my_counter)
sorted_teacherprefix_dict = dict(sorted(teacherprefix_dict.items(), key=lambda kv: kv[1]))
```

In [79]:

```
# we use count vectorizer to convert the values into one hot encoded features
vectorizer = CountVectorizer(vocabulary=list(sorted_teacherprefix_dict.keys()), lowercase=False, binary=True)
vectorizer.fit(project_data['teacher_prefix'].values)
print(vectorizer.get_feature_names())

teacherprefix_one_hot = vectorizer.transform(project_data['teacher_prefix'].values)
print("Shape of matrix after one hot encoding ", teacherprefix_one_hot.shape)
```

```
['Dr.', 'Teacher', 'Mr.', 'Ms.', 'Mrs.']
Shape of matrix after one hot encoding (109248, 5)
```

1.4.2 Vectorizing Text data

1.4.2.1 Bag of words

In [80]:

```
# We are considering only the words which appeared in at least 10 documents (rows or projects).
vectorizer = CountVectorizer(min_df=10)
text_bow = vectorizer.fit_transform(preprocessed_essays)
print("Shape of matrix after one hot encoding ", text_bow.shape)
```

```
Shape of matrix after one hot encoding (109248, 16623)
```

In [81]:

```
type(text_bow)
```

Out[81]:

```
scipy.sparse.csr.csr_matrix
```

1.4.2.2 Bag of Words on `project_title`

In [82]:

```
# We are considering only the words which appeared in at least 10 documents (rows or projects).
vectorizer = CountVectorizer(min_df=10)
title_bow = vectorizer.fit_transform(preprocessed_project_title)
print("Shape of matrix after one hot encoding ", title_bow.shape)
```

Shape of matrix after one hot encoding (109248, 3329)

In [83]:

```
type(title_bow)
```

Out[83]:

scipy.sparse.csr.csr_matrix

1.4.2.3 TFIDF vectorizer

In [84]:

```
from sklearn.feature_extraction.text import TfidfVectorizer
vectorizer = TfidfVectorizer(min_df=10)
text_tfidf = vectorizer.fit_transform(preprocessed_essays)
print("Shape of matrix after one hot encoding ", text_tfidf.shape)
```

Shape of matrix after one hot encoding (109248, 16623)

1.4.2.4 TFIDF Vectorizer on `project_title`

In [85]:

```
from sklearn.feature_extraction.text import TfidfVectorizer
vectorizer = TfidfVectorizer(min_df=10)
title_tfidf = vectorizer.fit_transform(preprocessed_project_title)
print("Shape of matrix after one hot encoding ", title_tfidf.shape)
```

Shape of matrix after one hot encoding (109248, 3329)

1.4.2.5 Using Pretrained Models: Avg W2V

In [86]:

```
'''
# Reading glove vectors in python: https://stackoverflow.com/a/38230349/4084039
def loadGloveModel(gloveFile):
    print ("Loading Glove Model")
    f = open(gloveFile, 'r', encoding="utf8")
    model = {}
    for line in tqdm(f):
        splitLine = line.split()
        word = splitLine[0]
        embedding = np.array([float(val) for val in splitLine[1:]])
        model[word] = embedding
    print ("Done.", len(model), " words loaded!")
    return model
model = loadGloveModel('glove.42B.300d.txt')

# =====
Output:

Loading Glove Model
1917495it [06:32, 4879.69it/s]
Done. 1917495 words loaded!
'''
```

```
# =====

words = []
for i in preproced_texts:
    words.extend(i.split(' '))

for i in preproced_titles:
    words.extend(i.split(' '))
print("all the words in the coupus", len(words))
words = set(words)
print("the unique words in the coupus", len(words))

inter_words = set(model.keys()).intersection(words)
print("The number of words that are present in both glove vectors and our coupus", \
      len(inter_words), "(", np.round(len(inter_words)/len(words)*100, 3), "%) ")

words_courpus = {}
words_glove = set(model.keys())
for i in words:
    if i in words_glove:
        words_courpus[i] = model[i]
print("word 2 vec length", len(words_courpus))

# stronging variables into pickle files python: http://www.jessicayung.com/how-to-use-pickle-to-save-and-load-variables-in-python/

import pickle
with open('glove_vectors', 'wb') as f:
    pickle.dump(words_courpus, f)

'''
```

Out[86]:

```
'\n# Reading glove vectors in python: https://stackoverflow.com/a/38230349/4084039\ndef
loadGloveModel(gloveFile):\n    print ("Loading Glove Model")\n    f = open(gloveFile,\'r\',
encoding="utf8")\n    model = {}\n    for line in tqdm(f):\n        splitLine = line.split()\n
word = splitLine[0]\n        embedding = np.array([float(val) for val in splitLine[1:]])\n
odel[word] = embedding\n    print ("Done.",len(model)," words loaded!")\n    return model\nmodel =
loadGloveModel(\'glove.42B.300d.txt\')\n\n# =====\n\nOutput:\n    \nLoading G
love Model\n1917495it [06:32, 4879.69it/s]\nDone. 1917495 words loaded!\n\n#
=====
\n\nwords = []\nfor i in preproced_texts:\n    words.extend(i.split(\'
\'))\n\nfor i in preproced_titles:\n    words.extend(i.split(\' \'))\nprint("all the words in the
coupus", len(words))\nwords = set(words)\nprint("the unique words in the coupus",
len(words))\n\ninter_words = set(model.keys()).intersection(words)\nprint("The number of words tha
t are present in both glove vectors and our coupus", len(inter_words),
("np.round(len(inter_words)/len(words)*100,3),"%")\n\nwords_courpus = {}\nwords_glove =
set(model.keys())\nfor i in words:\n    if i in words_glove:\n        words_courpus[i] = model[i]\r
print("word 2 vec length", len(words_courpus))\n\n\n# stronging variables into pickle files python
: http://www.jessicayung.com/how-to-use-pickle-to-save-and-load-variables-in-python/\n\nimport pic
kle\nwith open(\'glove_vectors\', \'wb\') as f:\n    pickle.dump(words_courpus, f)\n\n\n'
```

In [87]:

```
# stronging variables into pickle files python: http://www.jessicayung.com/how-to-use-pickle-to-save-and-load-variables-in-python/
# make sure you have the glove_vectors file
with open('glove_vectors', 'rb') as f:
    model = pickle.load(f)
    glove_words = set(model.keys())
```

In [88]:

```
# average Word2Vec
# compute average word2vec for each review.
avg_w2v_vectors = []; # the avg-w2v for each sentence/review is stored in this list
for sentence in tqdm(preprocessed_essays): # for each review/sentence
    vector = np.zeros(300) # as word vectors are of zero length
    cnt_words = 0; # num of words with a valid vector in the sentence/review
    for word in sentence.split(): # for each word in a review/sentence
        if word in glove_words:
            vector += model[word]
```

```
100%|██████████████████████████████████████████████████████████████████████████| 109248/109248  
[00:54<00:00, 201.96it/s]
```

```
100%|██████████████████████████████████████████████████████████████████████████████| 109248/109248  
[00:02<00:00, 43845.87it/s]
```

```
# average Word2Vec
# compute average word2vec for each review.
tfidf_w2v_vectors = []; # the avg-w2v for each sentence/review is stored in this list
for sentence in tqdm(preprocessed_essays): # for each review/sentence
    vector = np.zeros(300) # as word vectors are of zero length
    tf_idf_weight = 0; # num of words with a valid vector in the sentence/review
    for word in sentence.split(): # for each word in a review/sentence
        if (word in glove_words) and (word in tfidf_words):
            vec = model[word] # getting the vector for each word
            # here we are multiplying idf value(dictionary[word]) and the tf
            value((sentence.count(word)/len(sentence.split())))
            tf_idf = dictionary[word]*(sentence.count(word)/len(sentence.split())) # getting the tf
            idf value for each word
```



```

        vector += (vec * tf_idf) # calculating tfidf weighted w2v
        tf_idf_weight += tf_idf
    if tf_idf_weight != 0:
        vector /= tf_idf_weight
    tfidf_w2v_vectors.append(vector)

print(len(tfidf_w2v_vectors))
print(len(tfidf_w2v_vectors[0]))

```

```

100%|████████████████████████████████████████████████████████████████████████████████| 109248/109248
[06:34<00:00, 347.01it/s]

```

```

109248
300

```

1.4.2.9 Using Pretrained Models: TFIDF weighted W2V on `project_title`

In [92]:

```

# S = ["abc def pqr", "def def def abc", "pqr pqr def"]
tfidf_model1 = TfidfVectorizer()
tfidf_model1.fit(preprocessed_project_title)
# we are converting a dictionary with word as a key, and the idf as a value
dictionary = dict(zip(tfidf_model1.get_feature_names(), list(tfidf_model1.idf_)))
tfidf_title = set(tfidf_model1.get_feature_names())

```

In [95]:

```

# average Word2Vec
# compute average word2vec for each review.
tfidf_w2v_title = []; # the avg-w2v for each sentence/review is stored in this list
for sentence in tqdm(preprocessed_project_title): # for each review/sentence
    vector = np.zeros(300) # as word vectors are of zero length
    tf_idf_weight = 0; # num of words with a valid vector in the sentence/review
    for word in sentence.split(): # for each word in a review/sentence
        if (word in glove_words) and (word in tfidf_w2v_title):
            vec = model[word] # getting the vector for each word
            # here we are multiplying idf value(dictionary[word]) and the tf
            value((sentence.count(word)/len(sentence.split())))
            tf_idf = dictionary[word]*(sentence.count(word)/len(sentence.split())) # getting the tf
            idf value for each word
            vector += (vec * tf_idf) # calculating tfidf weighted w2v
            tf_idf_weight += tf_idf
    if tf_idf_weight != 0:
        vector /= tf_idf_weight
    tfidf_w2v_title.append(vector)

print(len(tfidf_w2v_title))
print(len(tfidf_w2v_title[0]))

```

```

23%|████████████████████████████████████████████████████████████████████████████████| 24834/109248 [32:12
:06:08, 7.56it/s]IOPub message rate exceeded.
The notebook server will temporarily stop sending output
to the client in order to avoid crashing it.
To change this limit, set the config variable
`--NotebookApp.iopub_msg_rate_limit`.

```

```

Current values:
NotebookApp.iopub_msg_rate_limit=1000.0 (msgs/sec)
NotebookApp.rate_limit_window=3.0 (secs)

```

```

100%|████████████████████████████████████████████████████████████████████████████████| 109248/109248
[11:32:07<00:00, 1.29it/s]

```

```

109248
300

```

1.4.3 Vectorizing Numerical features

In [93]:

```
# the cost feature is already in numerical values, we are going to represent the money, as numerical values within the range 0-1
# normalization sklearn: https://scikit-learn.org/stable/modules/generated/sklearn.preprocessing.StandardScaler.html
from sklearn.preprocessing import StandardScaler

# price_normalized = standardScaler.fit(project_data['price'].values)
# this will rise the error
# ValueError: Expected 2D array, got 1D array instead: array=[725.05 213.03 329. ... 399. 287.73 5.5 ].
# Reshape your data either using array.reshape(-1, 1)

price_scaler = StandardScaler()
price_scaler.fit(project_data['price'].values.reshape(-1,1)) # finding the mean and standard deviation of this data
print(f"Mean : {price_scaler.mean_[0]}, Standard deviation : {np.sqrt(price_scaler.var_[0])}")

# Now standardize the data with above mean and variance.
price_normalized = price_scaler.transform(project_data['price'].values.reshape(-1, 1))
```

Mean : 298.1193425966608, Standard deviation : 367.49634838483496

In [94]:

```
price_normalized
```

Out[94]:

```
array([[ -0.3905327 ],
       [  0.00239637],
       [  0.59519138],
       ...,
       [-0.15825829],
       [-0.61243967],
       [-0.51216657]])
```

1.4.4 Merging all the above features

- we need to merge all the numerical vectors i.e categorical, text, numerical vectors

In [95]:

```
print(categories_one_hot.shape)
print(sub_categories_one_hot.shape)
print(text_bow.shape)
print(price_normalized.shape)
```

```
(109248, 9)
(109248, 30)
(109248, 16623)
(109248, 1)
```

In [96]:

```
# merge two sparse matrices: https://stackoverflow.com/a/19710648/4084039
from scipy.sparse import hstack
# with the same hstack function we are concatenating a sparse matrix and a dense matrix :)
X = hstack((categories_one_hot, sub_categories_one_hot, text_bow, price_normalized))
X.shape
```

Out[96]:

```
(109248, 16663)
```

Assignment 2: Apply TSNE

If you are using any code snippet from the internet, you have to provide the reference/citations, as we did in the above cells. Otherwise, it will be treated as plagiarism without citations.

1. In the above cells we have plotted and analyzed many features. Please observe the plots and write the observations in markdown cells below every plot.
2. EDA: Please complete the analysis of the feature: `teacher_number_of_previously_posted_projects`
3. Build the data matrix using these features
 - `school_state` : categorical data (one hot encoding)
 - `clean_categories` : categorical data (one hot encoding)
 - `clean_subcategories` : categorical data (one hot encoding)
 - `teacher_prefix` : categorical data (one hot encoding)
 - `project_title` : text data (BOW, TFIDF, AVG W2V, TFIDF W2V)
 - `price` : numerical
 - `teacher_number_of_previously_posted_projects` : numerical
4. Now, plot FOUR t-SNE plots with each of these feature sets.
 - A. categorical, numerical features + `project_title`(BOW)
 - B. categorical, numerical features + `project_title`(TFIDF)
 - C. categorical, numerical features + `project_title`(AVG W2V)
 - D. categorical, numerical features + `project_title`(TFIDF W2V)
5. Concatenate all the features and Apply TNSE on the final data matrix
6. [Note 1: The TSNE accepts only dense matrices](#)
7. [Note 2: Consider only 5k to 6k data points to avoid memory issues. If you run into memory error issues, reduce the number of data points but clearly state the number of data-points you are using](#)

2.1 TSNE with `BOW` encoding of `project_title` feature

In [97]:

```
# please write all of the code with proper documentation and proper titles for each subsection
# when you plot any graph make sure you use
# a. Title, that describes your plot, this will be very helpful to the reader
# b. Legends if needed
# c. X-axis label
# d. Y-axis label
```

```
In [98]:
```

```
project_data = pd.read_csv('train_data.csv', nrows=7000)
```

In [99]:

```
# Combining all the above statements
from tqdm import tqdm
preprocessed_project_title = []
# tqdm is for printing the status bar
for sentence in tqdm(project_data['project_title'].values):
    sent_title = decontracted(sentence)
    sent_title = sent_title.replace('\\r', ' ')
    sent_title = sent_title.replace('\\n', ' ')
    sent_title = sent_title.replace('\\n', ' ')
    sent_title = re.sub('[^A-Za-z0-9]+', ' ', sent_title)
    # https://gist.github.com/sebleier/554280
    sent_title = ' '.join(e for e in sent_title.split() if e not in stopwords)
    preprocessed_project_title.append(sent_title.lower().strip())
```

```
100%|██████████████████████████████████████████████████████████████████████████| 7000/7000  
[00:00<00:00, 35221.56it/s]
```

In [100]:

```
title = list(project_data['project_title'].values)
# remove special characters from list of strings python:
https://stackoverflow.com/a/47301924/4084039

# https://www.geeksforgeeks.org/removing-stop-words-nltk-python/
# https://stackoverflow.com/questions/23669024/how-to-strip-a-specific-word-from-a-string
```

```
# https://stackoverflow.com/questions/8270092/remove-all-whitespace-in-a-string-in-python
title_list = []
for i in title:
    temp = ""
    # consider we have text like this "Math & Science, Warmth, Care & Hunger"
    for j in i.split(','): # it will split it in three parts ["Math & Science", "Warmth", "Care & Hunger"]
        if 'The' in j.split(): # this will split each of the category based on space "Math & Science" => "Math", "&", "Science"
            j = j.replace('The', '') # if we have the words "The" we are going to replace it with '' (i.e. removing 'The')
            j = j.replace(' ', '') # we are replacing all the ' ' (space) with '' (empty) ex: "Math & Science" => "Math&Science"
            temp += j.strip() + " " # " abc ".strip() will return "abc", remove the trailing spaces
            temp = temp.replace('&', '_') # we are replacing the & value into
    title_list.append(temp.strip())
```

In [101]:

```
project_data['preprocessed_project_title'] = title_list
#project_data.drop(['project_title'], axis=1, inplace=True)
project_data.head(2)
```

Out[101]:

	Unnamed: 0	id	teacher_id	teacher_prefix	school_state	project_submitted_datetime	pro
0	160221	p253737	c90749f5d961ff158d4b4d1e7dc665fc	Mrs.	IN	2016-12-05 13:43:57	Gra
1	140945	p258326	897464ce9ddc600bcd1151f324dd63a	Mr.	FL	2016-10-25 09:22:10	Gra

In [102]:

```
#https://www.kaggle.com/premvardhan/amazon-fine-food-review-tsne-visualization/notebook#Amazon-Fine-Food-Reviews-Analysis
approved_projects = project_data[project_data['project_is_approved']==1]
rejected_projects = project_data[project_data['project_is_approved']==0]
project_status = pd.concat([approved_projects, rejected_projects])
print(project_status.shape)
print(project_data.shape)
```

```
(7000, 18)
(7000, 18)
```

In [103]:

```
#https://www.kaggle.com/premvardhan/amazon-fine-food-review-tsne-visualization/notebook#Amazon-Fine-Food-Reviews-Analysis
approval_status=project_status['project_is_approved']
print(approval_status.shape)
```

```
(7000,)
```

In [104]:

```
#BoW
count_vect = CountVectorizer() #in scikit-learn
final_data = count_vect.fit_transform(project_data['preprocessed_project_title'].values)
```

In [105]:

```
type(final_data)
```

Out[105]:

```
scipy.sparse.csr.csr_matrix
```

In [106]:

```
# convert sparse to dense as tsne takes dense vector
final_data = final_data.todense()
```

In [107]:

```
type(final_data)
```

Out[107]:

```
numpy.matrixlib.defmatrix.matrix
```

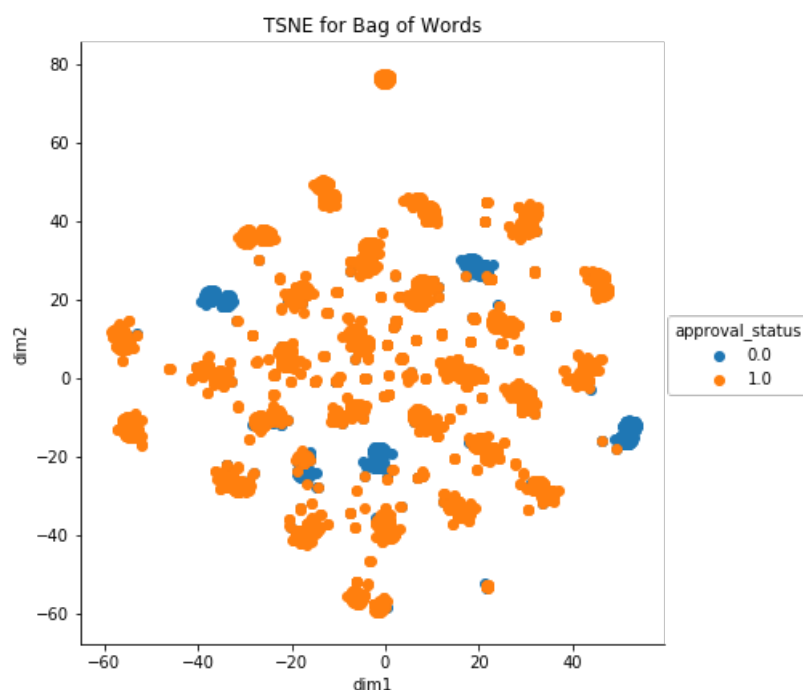
In [160]:

```
#https://www.kaggle.com/premvardhan/amazon-fine-food-review-tsne-visualization/notebook#Amazon-Fine-Food-Reviews-Analysis
from sklearn.manifold import TSNE
model = TSNE(n_components=2, random_state=0, perplexity = 30, n_iter = 5000)
# configuring the parameters
# the number of components = 2
# default perplexity = 30
# default learning rate = 200
# default Maximum number of iterations for the optimization = 1000

tsne_data = model.fit_transform(final_data)

# creating a new data frame which help us in plotting the result data
tsne_data = np.vstack((tsne_data.T, approval_status)).T
tsne_df = pd.DataFrame(data=tsne_data, columns=("dim1", "dim2", "approval_status"))

# Plotting the result of tsne
sns.FacetGrid(tsne_df, hue="approval_status", size=6).map(plt.scatter, 'dim1', 'dim2').add_legend()
plt.title("TSNE for Bag of Words")
plt.show()
```



OBSERVATION: The above plot does not enable us to classify approved(1.0) and un-approved(0.0) points clearly, as there are patches of blue points along with orange points.

In [108]:

```
project_data.columns
```

Out[108]:

```
Index(['Unnamed: 0', 'id', 'teacher_id', 'teacher_prefix', 'school_state',  
      'project_submitted_datetime', 'project_grade_category',  
      'project_subject_categories', 'project_subject_subcategories',  
      'project_title', 'project_essay_1', 'project_essay_2',  
      'project_essay_3', 'project_essay_4', 'project_resource_summary',  
      'teacher_number_of_previously_posted_projects', 'project_is_approved',  
      'preprocessed_project_title'],  
      dtype='object')
```

2.2 TSNE with `TFIDF` encoding of `project_title` feature

In [109]:

```
# please write all the code with proper documentation, and proper titles for each subsection  
# when you plot any graph make sure you use  
# a. Title, that describes your plot, this will be very helpful to the reader  
# b. Legends if needed  
# c. X-axis label  
# d. Y-axis label
```

In [110]:

```
#https://www.kaggle.com/premvardhan/amazon-fine-food-review-tsne-visualization/notebook#Amazon-Fin  
e-Food-Reviews-Analysis  
# Tf-Idf  
tf_idf_vect = TfidfVectorizer(ngram_range=(1,2))  
final_tf_idf = tf_idf_vect.fit_transform(project_data['preprocessed_project_title'].values)
```

In [111]:

```
#https://www.kaggle.com/premvardhan/amazon-fine-food-review-tsne-visualization/notebook#Amazon-Fin  
e-Food-Reviews-Analysis  
from sklearn.preprocessing import StandardScaler  
std = StandardScaler(with_mean = False)  
final_tf_idf_data = std.fit_transform(final_tf_idf)
```

In [112]:

```
type(final_tf_idf_data)
```

Out[112]:

```
scipy.sparse.csr.csr_matrix
```

In [113]:

```
# convert sparse to dense as tsne takes dense vector  
final_tf_idf_data = final_tf_idf_data.todense()
```

In [114]:

```
type(final_tf_idf_data)
```

Out[114]:

```
numpy.matrixlib.defmatrix.matrix
```

In [115]:

```
final_tf_idf_data.shape
```

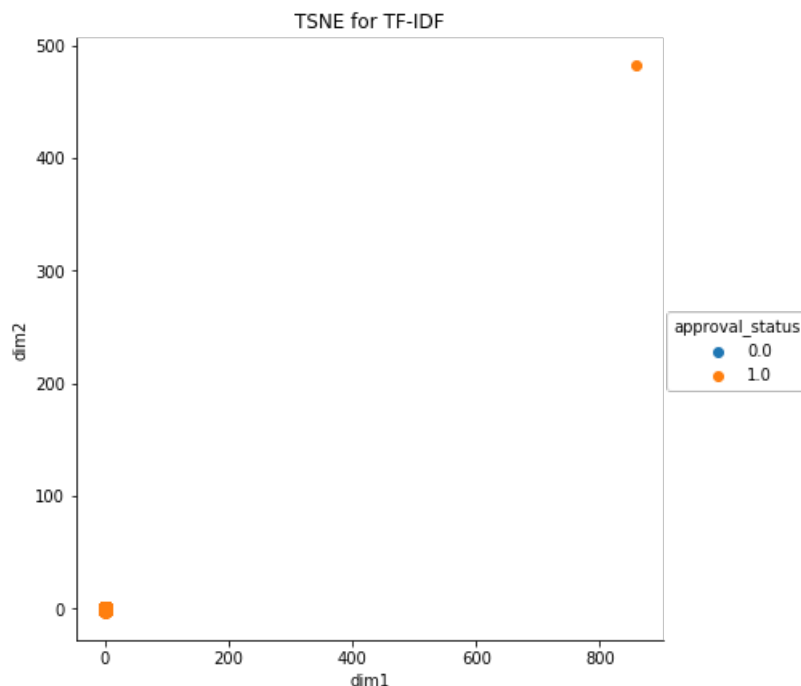
Out[115]:

(7000, 11033)

In [118]:

```
#https://www.kaggle.com/premvardhan/amazon-fine-food-review-tsne-visualization/notebook#Amazon-Fine-Food-Reviews-Analysis
# tsne
from sklearn.manifold import TSNE
model = TSNE(n_components = 2, perplexity = 50)
tsne_data = model.fit_transform(final_tf_idf_data)

tsne_data = np.vstack((tsne_data.T, approval_status)).T
tsne_df = pd.DataFrame(data = tsne_data, columns = ("dim1", "dim2", "approval_status"))
sns.FacetGrid(tsne_df, hue = "approval_status", size = 6).map(plt.scatter, "dim1", "dim2").add_legend()
plt.title("TSNE for TF-IDF")
plt.show()
```



OBSERVATION: The above plot does not enable us to classify approved(1.0) and un-approved(0.0) points clearly. All the positive points are grouped together and the negative points are overlapped by those. There is a single orange point at distance, which may be an outlier.

2.3 TSNE with `AVG W2V` encoding of `project_title` feature

In [116]:

```
# please write all the code with proper documentation, and proper titles for each subsection
# when you plot any graph make sure you use
# a. Title, that describes your plot, this will be very helpful to the reader
# b. Legends if needed
# c. X-axis label
# d. Y-axis label
```

In [117]:

```
# stronging variables into pickle files python: http://www.jessicayung.com/how-to-use-pickle-to-save-and-load-variables-in-python/
# make sure you have the glove_vectors file
with open('glove_vectors', 'rb') as f:
    model = pickle.load(f)
    glove_words = set(model.keys())
```

In [118]:

```
# average Word2Vec
# compute average word2vec for each review.
avg_w2v_title = []; # the avg-w2v for each sentence/review is stored in this list
for sentence in tqdm(preprocessed_project_title): # for each review/sentence
    vector = np.zeros(300) # as word vectors are of zero length
    cnt_words = 0; # num of words with a valid vector in the sentence/review
    for word in sentence.split(): # for each word in a review/sentence
        if word in glove_words:
            vector += model[word]
            cnt_words += 1
    if cnt_words != 0:
        vector /= cnt_words
    avg_w2v_title.append(vector)
```

```
100%|████████████████████████████████████████████████████████████████████████████████| 7000/7000
[00:00<00:00, 70038.97it/s]
```

In [119]:

```
type(avg_w2v_title)
```

Out[119]:

list

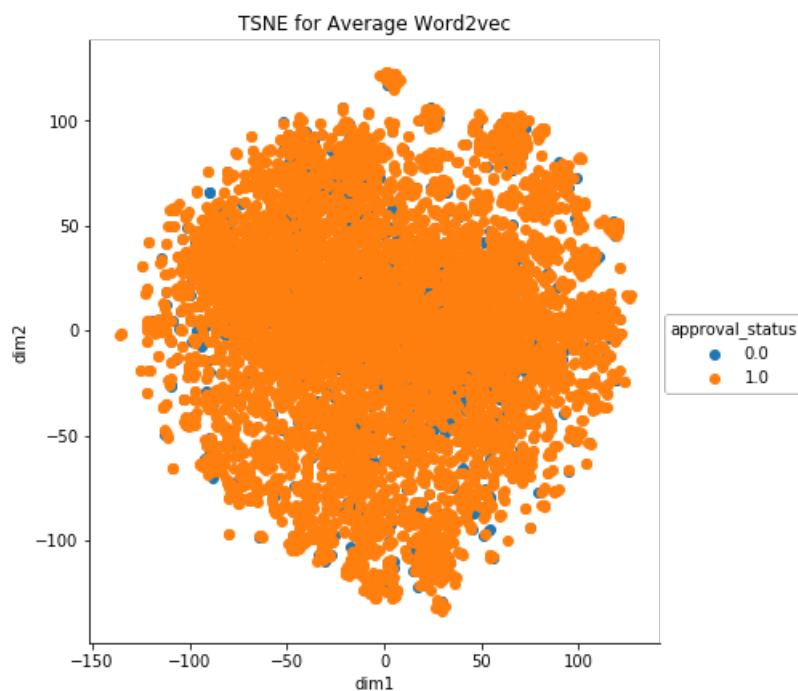
In [123]:

```
#https://www.kaggle.com/premvardhan/amazon-fine-food-review-tsne-visualization/notebook#Amazon-Fine-Food-Reviews-Analysis
#tsne
from sklearn.manifold import TSNE
model = TSNE(n_components=2, random_state=0, perplexity = 20, n_iter = 5000)

tsne_data = model.fit_transform(avg_w2v_title)

tsne_data = np.vstack((tsne_data.T, approval_status)).T
tsne_df = pd.DataFrame(data=tsne_data, columns=("dim1", "dim2", "approval_status"))

# Plotting the result of tsne
sns.FacetGrid(tsne_df, hue="approval_status", size=6).map(plt.scatter, 'dim1', 'dim2').add_legend()
plt.title("TSNE for Average Word2vec")
plt.show()
```



OBSERVATION: Similar to the BOW and TF-IDF plots, both the status points are not able to be separated. But the approved projects are more dense, as the count of approved projects is more.

2.4 TSNE with `TFIDF Weighted W2V` encoding of `project_title` feature

In [120]:

```
# please write all the code with proper documentation, and proper titles for each subsection
# when you plot any graph make sure you use
# a. Title, that describes your plot, this will be very helpful to the reader
# b. Legends if needed
# c. X-axis label
# d. Y-axis label
```

In [121]:

```
# S = ["abc def pqr", "def def def abc", "pqr pqr def"]
tfidf_model1 = TfidfVectorizer()
tfidf_model1.fit(preprocessed_project_title)
# we are converting a dictionary with word as a key, and the idf as a value
dictionary = dict(zip(tfidf_model1.get_feature_names(), list(tfidf_model1.idf_)))
tfidf_title = set(tfidf_model1.get_feature_names())
```

In [122]:

```
# average Word2Vec
# compute average word2vec for each review.
tfidf_w2v_title = []; # the avg-w2v for each sentence/review is stored in this list
for sentence in tqdm(preprocessed_project_title): # for each review/sentence
    vector = np.zeros(300) # as word vectors are of zero length
    tf_idf_weight = 0; # num of words with a valid vector in the sentence/review
    for word in sentence.split(): # for each word in a review/sentence
        if (word in glove_words) and (word in tfidf_w2v_title):
            vec = model[word] # getting the vector for each word
            # here we are multiplying idf value(dictionary[word]) and the tf
            value((sentence.count(word)/len(sentence.split()))))
            tf_idf = dictionary[word]*(sentence.count(word)/len(sentence.split())) # getting the tf
            idf value for each word
            vector += (vec * tf_idf) # calculating tfidf weighted w2v
            tf_idf_weight += tf_idf
    if tf_idf_weight != 0:
        vector /= tf_idf_weight
    tfidf_w2v_title.append(vector)

print(len(tfidf_w2v_title))
print(len(tfidf_w2v_title[0]))
```

[illegible]

7000
300

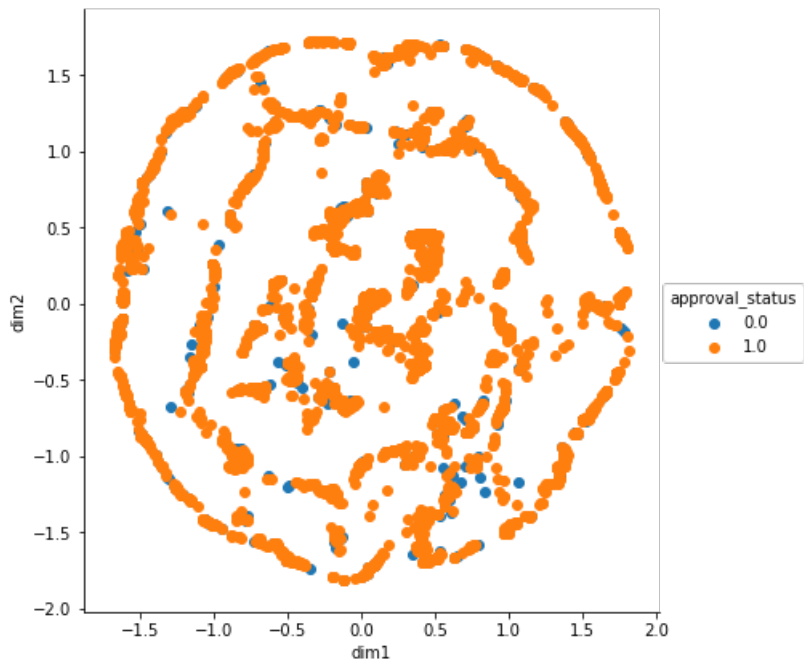
In [127]:

```
#tsne
from sklearn.manifold import TSNE
model = TSNE(n_components=2, random_state=0, perplexity = 50, n_iter = 10000)

tsne_data = model.fit_transform(tfidf_w2v_title)

tsne_data = np.vstack((tsne_data.T, approval_status)).T
tsne_df = pd.DataFrame(data=tsne_data, columns=("dim1", "dim2", "approval_status"))

# Ploting the result of tsne
sns.FacetGrid(tsne_df, hue="approval_status", size=6).map(plt.scatter, 'dim1', 'dim2').add_legend()
plt.title("TSNE for TF-IDF Word2vec")
plt.show()
```



OBSERVATION: The above plot does not enable us to classify approved(1.0) and un-approved(0.0) points clearly.

In [123]:

```
# count of all the words in corpus python: https://stackoverflow.com/a/22898595/4084039
from collections import Counter
my_counter = Counter()
for word in project_data['school_state'].values:
    my_counter.update(word.split())
# dict sort by value python: https://stackoverflow.com/a/613218/4084039
state_dict = dict(my_counter)
sorted_state_dict = dict(sorted(state_dict.items(), key=lambda kv: kv[1]))
```

In [124]:

```
# we use count vectorizer to convert the values into one hot encoded features
vectorizer = CountVectorizer(vocabulary=list(sorted_state_dict.keys()), lowercase=False, binary=True)
vectorizer.fit(project_data['school_state'].values)
print(vectorizer.get_feature_names())

states_one_hot = vectorizer.transform(project_data['school_state'].values)
print("Shape of matrix after one hot encoding ", states_one_hot.shape)
```

```
['VT', 'WY', 'MT', 'ND', 'DE', 'SD', 'NH', 'AK', 'NE', 'RI', 'ME', 'DC', 'WV', 'NM', 'HI', 'ID', 'KS', 'IA', 'MN', 'MS', 'AR', 'KY', 'CO', 'OR', 'NV', 'MD', 'AL', 'TN', 'WI', 'CT', 'UT', 'VA', 'WA', 'NJ', 'AZ', 'MA', 'LA', 'MO', 'OH', 'OK', 'IN', 'MI', 'PA', 'GA', 'SC', 'IL', 'NC', 'FL', 'NY', 'TX', 'CA']
```

Shape of matrix after one hot encoding (7000, 51)

In [125]:

```
categories = list(project_data['project_subject_categories'].values)
# remove special characters from list of strings python:
https://stackoverflow.com/a/47301924/4084039

# https://www.geeksforgeeks.org/removing-stop-words-nltk-python/
# https://stackoverflow.com/questions/23669024/how-to-strip-a-specific-word-from-a-string
# https://stackoverflow.com/questions/8270092/remove-all-whitespace-in-a-string-in-python
cat_list = []
for i in categories:
    temp = ""
    # consider we have text like this "Math & Science, Warmth, Care & Hunger"
    for j in i.split(','): # it will split it in three parts ["Math & Science", "Warmth", "Care & Hunger"]
        if 'The' in j.split(): # this will split each of the category based on space "Math & Science" => "Math", "&", "Science"
            i = i.replace('The', '') # if we have the words "The" we are going to replace it with '' (i
```

```

j = j.replace('The', '') # if we have the words "The" we are going to replace it with '' (i.e removing 'The')
j = j.replace(' ', '') # we are placing all the ' ' (space) with '' (empty) ex: "Math & Science" => "Math&Science"
temp += j.strip() + " " # " abc ".strip() will return "abc", remove the trailing spaces
temp = temp.replace('&', '_') # we are replacing the & value into _
cat_list.append(temp.strip())

```

In [126]:

```

project_data['clean_categories'] = cat_list
project_data.drop(['project_subject_categories'], axis=1, inplace=True)

```

In [127]:

```

sub_categories = list(project_data['project_subject_subcategories'].values)
# remove special characters from list of strings python:
https://stackoverflow.com/a/47301924/4084039

# https://www.geeksforgeeks.org/removing-stop-words-nltk-python/
# https://stackoverflow.com/questions/23669024/how-to-strip-a-specific-word-from-a-string
# https://stackoverflow.com/questions/8270092/remove-all-whitespace-in-a-string-in-python

sub_cat_list = []
for i in sub_categories:
    temp = ""
    # consider we have text like this "Math & Science, Warmth, Care & Hunger"
    for j in i.split(','): # it will split it in three parts ["Math & Science", "Warmth", "Care & Hunger"]
        if 'The' in j.split(): # this will split each of the category based on space "Math & Science" => "Math", "&", "Science"
            j = j.replace('The', '') # if we have the words "The" we are going to replace it with '' (i.e removing 'The')
            j = j.replace(' ', '') # we are placing all the ' ' (space) with '' (empty) ex: "Math & Science" => "Math&Science"
            temp += j.strip() + " " # " abc ".strip() will return "abc", remove the trailing spaces
            temp = temp.replace('&', '_')
    sub_cat_list.append(temp.strip())

```

In [128]:

```

project_data['clean_subcategories'] = sub_cat_list
project_data.drop(['project_subject_subcategories'], axis=1, inplace=True)

```

In [129]:

```

# we use count vectorizer to convert the values into one hot encoded features
from sklearn.feature_extraction.text import CountVectorizer
vectorizer = CountVectorizer(vocabulary=list(sorted_cat_dict.keys()), lowercase=False, binary=True)
vectorizer.fit(project_data['clean_categories'].values)
print(vectorizer.get_feature_names())

categories_one_hot = vectorizer.transform(project_data['clean_categories'].values)
print("Shape of matrix after one hot encoding ", categories_one_hot.shape)

```

```

['Warmth', 'Care_Hunger', 'History_Civics', 'Music_Arts', 'AppliedLearning', 'SpecialNeeds',
'Health_Sports', 'Math_Science', 'Literacy_Language']
Shape of matrix after one hot encoding (7000, 9)

```

In [130]:

```

# we use count vectorizer to convert the values into one hot encoded features
vectorizer = CountVectorizer(vocabulary=list(sorted_sub_cat_dict.keys()), lowercase=False, binary=True)
vectorizer.fit(project_data['clean_subcategories'].values)
print(vectorizer.get_feature_names())

sub_categories_one_hot = vectorizer.transform(project_data['clean_subcategories'].values)
print("Shape of matrix after one hot encoding ", sub_categories_one_hot.shape)

```

```
['Economics', 'CommunityService', 'FinancialLiteracy', 'ParentInvolvement', 'Extracurricular',
'Civics_Government', 'ForeignLanguages', 'NutritionEducation', 'Warmth', 'Care_Hunger',
'SocialSciences', 'PerformingArts', 'CharacterEducation', 'TeamSports', 'Other',
'College_CareerPrep', 'Music', 'History_Geography', 'Health_LifeScience', 'EarlyDevelopment', 'ESL',
'Gym_Fitness', 'EnvironmentalScience', 'VisualArts', 'Health_Wellness', 'AppliedSciences',
'SpecialNeeds', 'Literature_Writing', 'Mathematics', 'Literacy']
Shape of matrix after one hot encodig (7000, 30)
```

In [131]:

```
# count of all the words in corpus python: https://stackoverflow.com/a/22898595/4084039
from collections import Counter
my_counter = Counter()
project_data['teacher_prefix']=project_data['teacher_prefix'].fillna('')
for word in project_data['teacher_prefix'].values:
    #print(word)
    my_counter.update(word.split())
# dict sort by value python: https://stackoverflow.com/a/613218/4084039
teacherprefix_dict = dict(my_counter)
sorted_teacherprefix_dict = dict(sorted(teacherprefix_dict.items(), key=lambda kv: kv[1]))
```

In [132]:

```
# we use count vectorizer to convert the values into one hot encoded features
vectorizer = CountVectorizer(vocabulary=list(sorted_teacherprefix_dict.keys()), lowercase=False, binary=True)
vectorizer.fit(project_data['teacher_prefix'].values)
print(vectorizer.get_feature_names())

teacherprefix_one_hot = vectorizer.transform(project_data['teacher_prefix'].values)
print("Shape of matrix after one hot encodig ", teacherprefix_one_hot.shape)
```

```
['Teacher', 'Mr.', 'Ms.', 'Mrs.']
Shape of matrix after one hot encodig (7000, 4)
```

In [133]:

```
# https://stackoverflow.com/questions/22407798/how-to-reset-a-dataframes-indexes-for-all-groups-in-one-step
price_data = resource_data.groupby('id').agg({'price':'sum', 'quantity':'sum'}).reset_index()
```

In [134]:

```
# join two dataframes in python:
project_data = pd.merge(project_data, price_data, on='id', how='left')
```

In [135]:

```
project_data.columns
```

Out[135]:

```
Index(['Unnamed: 0', 'id', 'teacher_id', 'teacher_prefix', 'school_state',
      'project_submitted_datetime', 'project_grade_category', 'project_title',
      'project_essay_1', 'project_essay_2', 'project_essay_3',
      'project_essay_4', 'project_resource_summary',
      'teacher_number_of_previously_posted_projects', 'project_is_approved',
      'preprocessed_project_title', 'clean_categories', 'clean_subcategories',
      'price', 'quantity'],
      dtype='object')
```

In [136]:

```
# the cost feature is already in numerical values, we are going to represent the money, as numerical values within the range 0-1
# normalization sklearn: https://scikit-learn.org/stable/modules/generated/sklearn.preprocessing.StandardScaler.html
from sklearn.preprocessing import StandardScaler
```

```
# price_normalized = standardScaler.fit(project_data['price'].values)
# this will rise the error
# ValueError: Expected 2D array, got 1D array instead: array=[725.05 213.03 329. ... 399. 287.
73 5.5 ].
# Reshape your data either using array.reshape(-1, 1)

price_scaler = StandardScaler()
price_scaler.fit(project_data['price'].values.reshape(-1,1)) # finding the mean and standard
deviation of this data
print(f"Mean : {price_scaler.mean_[0]}, Standard deviation : {np.sqrt(price_scaler.var_[0])}")

# Now standardize the data with above maen and variance.
price_normalized = price_scaler.transform(project_data['price'].values.reshape(-1, 1))
```

Mean : 298.69647, Standard deviation : 375.1774553706312

In [137]:

```
price_normalized
```

Out[137]:

```
array([[ -3.84075503e-01],
       [ 8.09030489e-04],
       [ 5.81467588e-01],
       ...,
       [-5.56287344e-01],
       [ 1.65048172e+00],
       [ 1.02709671e+00]])
```

In [138]:

```
# the cost feature is already in numerical values, we are going to represent the money, as numeri
cal values within the range 0-1
# normalization sklearn: https://scikit-learn.org/stable/modules/generated/sklearn.preprocessing.StandardScaler.html
from sklearn.preprocessing import StandardScaler

# price_normalized = standardScaler.fit(project_data['price'].values)
# this will rise the error
# ValueError: Expected 2D array, got 1D array instead: array=[725.05 213.03 329. ... 399. 287.
73 5.5 ].
# Reshape your data either using array.reshape(-1, 1)

previously_posted_projects = StandardScaler()
previously_posted_projects.fit(project_data['teacher_number_of_previously_posted_projects'].values
.reshape(-1,1)) # finding the mean and standard deviation of this data
print(f"Mean : {price_scaler.mean_[0]}, Standard deviation : {np.sqrt(price_scaler.var_[0])}")

# Now standardize the data with above maen and variance.
teacher_number_of_previously_posted_projects_normalized = previously_posted_projects.transform(pro
ject_data['teacher_number_of_previously_posted_projects'].values.reshape(-1, 1))
```

C:\Users\manoj\Anaconda3\lib\site-packages\sklearn\utils\validation.py:475: DataConversionWarning:
Data with input dtype int64 was converted to float64 by StandardScaler.

Mean : 298.69647, Standard deviation : 375.1774553706312

C:\Users\manoj\Anaconda3\lib\site-packages\sklearn\utils\validation.py:475: DataConversionWarning:
Data with input dtype int64 was converted to float64 by StandardScaler.

In [139]:

```
teacher_number_of_previously_posted_projects_normalized
```

Out[139]:

```
array([[ -0.39677647],
       [ -0.14430202],
       [ -0.36070869],
       ...,
       [ -0.36070869],
       [ -0.36070869],
       [  0.10817242]])
```

In [140]:

```
vectorizer = CountVectorizer(min_df=10)
title_bow = vectorizer.fit_transform(preprocessed_project_title)
print("Shape of matrix after one hot encodig ",title_bow.shape)
```

Shape of matrix after one hot encodig (7000, 508)

In [141]:

```
from sklearn.feature_extraction.text import TfidfVectorizer
vectorizer = TfidfVectorizer(min_df=10)
title_tfidf = vectorizer.fit_transform(preprocessed_project_title)
print("Shape of matrix after one hot encodig ",title_tfidf.shape)
```

Shape of matrix after one hot encodig (7000, 508)

TSNE on DATA MATRIX(states_one_hot, categories_one_hot, sub_categories_one_hot, teacherprefix_one_hot, title_bow, avg_w2v_title, tfidf_w2v_title, price_normalized, teacher_number_of_previously_posted_projects_normalized)

In [142]:

```
# merge two sparse matrices: https://stackoverflow.com/a/19710648/4084039
from scipy.sparse import hstack
# with the same hstack function we are concatenating a sparse matrix and a dense matirx :)
final_data_matrix = hstack((states_one_hot, categories_one_hot, sub_categories_one_hot,
teacherprefix_one_hot, title_bow, avg_w2v_title, tfidf_w2v_title, price_normalized,
teacher_number_of_previously_posted_projects_normalized))
final_data_matrix.shape
```

Out[142]:

(7000, 1204)

In [143]:

```
type(final_data_matrix)
```

Out[143]:

scipy.sparse.coo.coo_matrix

In [144]:

```
# convert sparse to dense as tsne takes dense vector
final_data_matrix = final_data_matrix.todense()
```

In [145]:

```
type(final_data_matrix)
```

Out[145]:

numpy.matrixlib.defmatrix.matrix

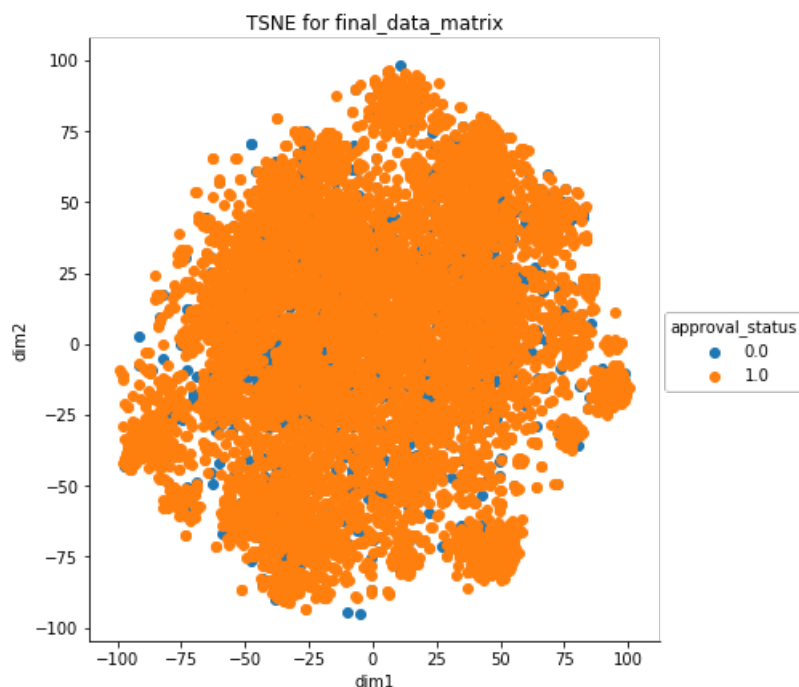
In [164]:

```
#tsne
from sklearn.manifold import TSNE
model = TSNE(n_components=2, random_state=0, perplexity = 50, n_iter = 10000)

tsne_data = model.fit_transform(final_data_matrix)

tsne_data = np.vstack((tsne_data.T, approval_status)).T
tsne_df = pd.DataFrame(data=tsne_data, columns=("dim1", "dim2", "approval_status"))

# Plotting the result of tsne
sns.FacetGrid(tsne_df, hue="approval_status", size=6).map(plt.scatter, 'dim1', 'dim2').add_legend()
plt.title("TSNE for final_data_matrix")
plt.show()
```



OBSERVATION: The TSNE plot implemented using the final data matrix also does not help in classifying the labels.

**TSNE on DATA MATRIX(categories_one_hot,
sub_categories_one_hot, title_bow,
price_normalized,teacherprefix_one_hot, grades_one_hot,
states_one_hot, title_one_hot)**

In [146]:

```
# count of all the words in corpus python: https://stackoverflow.com/a/22898595/4084039
from collections import Counter
my_counter = Counter()
for word in project_data['project_grade_category'].values:
    #print(word)
    my_counter.update(word.split(' '))
# dict sort by value python: https://stackoverflow.com/a/613218/4084039
grades_dict = dict(my_counter)
sorted_grade_dict = dict(sorted(grades_dict.items(), key=lambda kv: kv[1]))
```

In [147]:

```
# we use count vectorizer to convert the values into one hot encoded features
vectorizer = CountVectorizer(vocabulary=list(sorted_grade_dict.keys()), lowercase=False, binary=True)
vectorizer.fit(project_data['project_grade_category'].values)
print(vectorizer.get_feature_names())

grades_one_hot = vectorizer.transform(project_data['project_grade_category'].values)
```

```
grades_one_hot = vectorizer.transform(project_data['project_grade_category'].values)
print("Shape of matrix after one hot encodig ",grades_one_hot.shape)
```

```
['Grades 9-12', 'Grades 6-8', 'Grades 3-5', 'Grades PreK-2']
Shape of matrix after one hot encodig (7000, 4)
```

In [148]:

```
project_data['project_title'].values
```

Out[148]:

```
array(['Educational Support for English Learners at Home',
      'Wanted: Projector for Hungry Learners',
      'Soccer Equipment for AWESOME Middle School Students', ...,
      'Students Build Instruments - Hands-on Music!',
      '\\\"Wooden\\\" You Like to Build With Us?',
      'Kinders Inspired to be on Target in Nutrition Part 2'],
      dtype=object)
```

In [149]:

```
# count of all the words in corpus python: https://stackoverflow.com/a/22898595/4084039
from collections import Counter
my_counter = Counter()
for word in project_data['preprocessed_project_title'].values:
    my_counter.update(word.split())
# dict sort by value python: https://stackoverflow.com/a/613218/4084039
state_dict = dict(my_counter)
sorted_state_dict = dict(sorted(state_dict.items(), key=lambda kv: kv[1]))
```

In [150]:

```
# we use count vectorizer to convert the values into one hot encoded features
vectorizer = CountVectorizer(vocabulary=list(sorted_state_dict.keys()), lowercase=False, binary=True)
vectorizer.fit(project_data['preprocessed_project_title'].values)
print(vectorizer.get_feature_names())

title_one_hot = vectorizer.transform(project_data['preprocessed_project_title'].values)
print("Shape of matrix after one hot encodig ",title_one_hot.shape)
```

```
['EducationalSupportforEnglishLearnersatHome', 'Wanted:ProjectorforHungryLearners',
'SoccerEquipmentforAWESOMEMiddleSchoolStudents', 'TechieKindergarteners', 'InteractiveMathTools',
'FlexibleSeatingforMrs.Jarvis'TerrificThirdGraders!!',
'ChromebooksforSpecialEducationReadingProgram', "It'sthe21stCentury",
'TargetingMoreSuccessinClass', 'JustFortheLoveofReading--\\r\\nPurePleasure',
'ReadingChangesLives', 'ElevatingAcademicsandParentRapportsThroughTechnology',
'BuildingLifeScienceExperiences', 'Everyonedeservestobeheard!', 'TABLETSCANSHOWUSTHEWORLD',
'MakingRecessActive', "MakingGreatLEAP'sWithLeapfrog!", "TechnologyTeachesTomorrow'sTalentsToday",
'TestTime', 'WigglingOurWaytoSuccess', 'MagicCarpetRideinOurLibrary',
'FromSittingtoStandingintheClassroom', 'BooksforBuddingIntellectuals',
'InstrumentalPower:ConqueringSTEAM!', 'S.T.E.A.M.Challenges (ScienceTechnologyEngineeringARTMath)',
'MathMasters!', 'TechyTeaching', '4thGradeFrenchImmersionClassIpads', 'Hands-
OnLanguageandLiteracy', 'BasicClassroomSuppliesNeeded',
'2ndGradeExplorestheWorldofCharlotte'sWeb', 'AnAllInclusiveLearningSpace',
'LearningFactsFromFiction', 'ComputingOurWaytoFinancialLiteracy!Part2', '\\\"HaveABall!!!\\\"', 'Put
MeInCoach', 'InquiryBasedDiscoveryThroughLaptopLearning', 'TargetOurKidsWithAPrinterAndInk',
'KindersInspiredtobeonTargetinFitnessPartOne', 'EngagingStudentssthroughTechnology',
'LevelingBooksinaMulti-AgeClass', 'ATwistforWritingTraitsforMyFirstGraders', 'WeNeedNon-Fiction!',
'AllHandsonTech!', 'PressingontoMasteryAftertheFlood',
'ChromebooksCreateIntrigueAndMotivationWhileFillingInGaps!!', 'AllOutOfPaper!',
'KeepOurClosetOpen', "Chromebook'sAreGold", 'RainyDayRunAround!', 'BeActive!BeEnergized!',
'GreatBooks/Clean', 'OrganizedFilingCabinets=SuccessfulStudents', 'StandandLearn',
'ReadingTogether!', 'SwimForLifeAtYMCA!', 'StEM:WeNeedtoCapitalizeonTechnology!', 'ButFirst', 'Cof
fee!', 'MouseHunt', 'AwesomeAuthorsNeedaTerrificTable', 'InteractiveAssessments',
'PicnicTableToMakeUsABLEToDoMore!', 'FormingMAGnificentMinds!',
'AddingInteractiveTechnologyToYoungWriters'Toolbox!', 'WeNeedMorePaperandInkfortheNewYear!',
'ReadAboutArt!', 'Keepourcomputerlabnice', '_Math', 'OHMY!KinderSTEM', 'MagicofReading',
'STEMmadeSIMPLE (Sensible', 'Integrated', 'Meaningful', 'PurposefulLearning_Engaging)!',
'ChromeUpMyClass', 'ImmersionTripOutdoorGear', 'MagnetsandElectricityLiveOn!',
'GottaCatchaChromeBook!', 'CollegeSigningDayRallyprizesfordeservingstudents!',
'CollegeSigningDayRallyprizesfordeservingstudents!', 'CollegeSigningDayRallyprizesfordeservingstudents!']
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'StudentSeatingParadise', 'JumpWiththeMusic', 'AComfortablePlacetToLearn',
'GrowthMindsetforourFuture', "Stand-UpDesksforMrs.Brown'sClass", 'MakeMusic', 'MakeOurYear!',
'CrazyforComputers', 'Ineedaseat!', 'Fallinlovewithreading', 'ClassroomBookstoInspire', 'Planes',
'Trains', 'and...STEAM!', 'TechnologyorBust!', 'TargetingourLoveforBaseball:HittingtheBulls-eye!',
'ExploringGraphicNovels', 'ReadandUnderstandLikeEveryoneElse!', 'EducationThroughTechnology', 'P
ublishersNeedaPrinter!', 'Boom', 'Boom!Helpuscoolourclassroom!', 'HelpKeepUsMotivated!',
'NEWMUSICSTANDSFORBENTONMIDDLE/HIGHSCHOOLBAND', 'NewLiteracyUnitBooks!', 'iGrow',
'iSucceedwithiPads!', 'LeveledBooksforEveryone!', 'Dr.SeussandotherscanhelpustoREAD',
'ButtonsforBulldogs', 'TeachingMathWithManipulatives', '21stCenturylearners',
'21stcenturytechnology!', 'Fun_PhysicallyFit', 'ProjectSomeLightOverHere!', 'BuzzingWithBooks', 'P
E/HealthTechnology', 'Ceramics:OurHistoryinClayandSculpture', 'LouisianaFloodedClassroom',
'Markers', 'Easyas1-2-3!', 'StarttheYearStrong!', 'SuperSupplies',
'1stGradersReachingForStarsInReadingAndWriting!!!', 'Writer'sWorkshopfor1stGradeAuthors!',
'TechnologyintheClassroom!', 'DoingItWRITEWay!', 'Paper...paper...paper...please!',
'DiminishtheDigitalDivide', 'GlobalLearnersTakingtheLead!',
'MagicalMorphing:ExploringtheWondrousLifeCycleofButterflies',
'UseYour\\"Marbles\\"toStimulatetheBrain', 'CreatingaSenseofCommunity', 'HelpUsHaveaBALLinPE!!!', '
\\Book\\em', 'Danno!\\', 'EasyontheEyesandontheNose!', 'StudentMaterialsNeeded!!!!',
'IpadAndSuppliesForOurRoom', 'GoneChopin...BachinFive', 'WithoutAString', 'WorldIsSilent!',
'BringProjectstoLifeWithColor', 'LearningMyWordsAndListeningToMyWeekly',
'Whodoesn'tloveLego(Books)??', 'DeepintheHeartofTexas', 'MakethemMove!',
'MusicPlease!MotivationNeededforMoreVigorousPhysicalActivity!', 'Artinthe21stCentury',
'SandandWaterWordWorkFun!', '\\NotAllWhoWanderAreLost\\"J.R.R.Tolkien',
'KindergartenSTEMStations', 'FirstGradeisCoolwithCoding',
'AClassroomLibraryforExceptionalStudents', 'LearningThroughHistory-Holocaust', 'WeWanttoShake', 'W
obbleandBounce!', 'ReadyToGoWithOurMacBookPro', 'BookBinsforAll!',
'SpreadingtheLoveOneCardataTime....', 'Ditchthewhiteboardandgetaboogieboard!',
'WhoneedsaChromebook?\\r\\nWEDO!!', 'STEAMThroughTechnologyandInquiryBasedLearning',
'MoreMovementwithHokkiStools', 'WeNeedAKleenSlate', '6thGradersThinkLikeEngineers!',
'Shhhhh!!IamWorkingIndependentlyInaLearningCenter!', 'FromNationalParkstoOuterSpace',
'FlexibleSeating=OptimalLearning', 'GettingOurMOVEOn!', 'SafelySearchingforCritters', 'Ocean-
Bots:DeepSeaExplorers', 'LegoRoboticsProgrammingResources_DigitalMediaMics',
'HelpUsOrganizeOurClassroomLibrary', "HistorycomestolifeinMrs.Butler's5thGradeClass",
'HealthyBodiesandDirtyHands...letkidsbekids.', 'CanYouHearMeNow?HelpMyStudentsHearandbeHeard.', 'H
overingonOurHovergraft', 'PedalingourWayThroughOurDay.', 'TeamPracticesMakePerfectTeams',
'MyStudentsareCrazyforAppleWatches!\\r\\n', 'GrowingFutureProgrammers!', 'ScientificCalculators!',
'AlternativeSeatingforComfyClassrooms', 'TabletstotheRescue!', 'ColorfulLearningEnvironment',
'\\"TechMyKnowledge\\"', 'ReadingTogetherisFun!!!!', 'magicofSTEAMinprek', 'MyEducation',
'MySeatingChoice!FlexibleSeatingintheClassroom.', 'GlobeGazing!MyStudentsWanttoSeetheWorld!',
'LearningwithTechnology', 'PitteriPadder', 'TeachersLoveVideoGamesToo!', 'TestingonPoint',
'CalculatorsforKids', 'BuildingMathLifeSkillsfortheFuture!', 'BecomingArchitects', 'Engineers', 'a
ndBuildersbyAge6!', 'iNeedstoSupportSTEAM', 'EndlessPossibilities!', 'SeatingforActiveLearners', '
ProvidingtheLearningEnvironmentThatKidsNeed', 'HeadphonesforKiddos!', 'Operation60',
'ProjectingourwayintotheFuture!', 'AmazingAnchorCharts',
'BehaviorandTechnology(AmatchmadeinHeaven)', 'SittingPrettyinScienceLab!', 'FoundationsofPre-
KWriting', "IfYouWrite-You'reanAuthor!", 'Sensorytoystomakesenseofourworld',
'RingOurBellsforAlltoHear', 'ChromebooksforSTEM', 'Balls', 'BubblesandBirthdayBooks!',
'FlexibleSeatingforaFlexibleClassroom!', 'SafeBooksandBouncyBalls', 'SomeLikeItHot',
'SomeLikeItCold', '5thGradeLifeScience:OwlPelletDissectionProject!',
'PerfectPositionfor5thgradeOrchestra.', 'AnUrbanPreK-5TechnologyClassroomLookingfora3DPrinter!', '
LearningCanBeFunandRewarding!', 'MusicandKnowledgeGoHandinHandPart2',
'HelpFeed\\r\\nNewingtonElementarySchoolStudents', 'ClassroomProjection21stCenturyWay!',
'CalculatingOurSuccess!', 'ISCOPEYouCanHelpUsBecomeWell-RoundedReaders!', 'SAVVSYSTEMSTART-
UPUSINGROBUSTROBOTICS', '21STCENTURYTECHNOLOGYNEEDED', 'HelpUsBringtheMusicHome',
'Robots...Whatwouldourlivesbelikewithoutthem?', 'SewHappy!', 'Chevron-WeSolveAndCreateWithiPads',
'TakingtheHyperOutofHyperactivity!', 'StudentsNeedSupplies!', 'SCIENCEFORSUCCESS!!!!',
'JustaLittleWiggleRoom!', 'WiggleSeatingforKinderKids', '7thGradeActionResearchers',
'*Pick*ustoplayintune!', 'CurrentEventsintheClassroom', 'OpenaWindowwithTechnology!',
'HelpUsDevelopaReader'sWorkshop!', 'IPadLearning!', 'RollinDowntheRiver',
'Fidgettoysandchairsformiddleschoolkids', 'GuidedReadingResources',
'FuelingOurBodiesandMindsRightFromtheStart!', 'EnhancingMindsthroughResearchandInquiry!',
'AmplifyingStudentLearningOneiPadataTime', 'ListeningCenterforMyLittleLearners!',
'21stCenturyStudentsina21stCenturyClassroom!', 'ArtEnhancesLearning', 'Future'sBright',
'WithTechnology', 'Environment', 'andResponsibility', 'WiggleWhileTheyWork', 'GetRecharged!', 'Let
ChildrenPlay!', 'LifeEssentials', '\\r\\n¿Cuáleslaecuacióndeestalínea?', 'ClassroomCarpet!!!',
'FlexibleSeating:Creatinga21stCenturyLearningEnvironment', 'RoboticsisourFuture--
InteractiveMindsCreate!', 'BoardbutNOTBored!', 'BearcatChem-is-try!',
'AutoDeskInventorComesAliveWith8gbMemoryComputersatO-High!', 'WritingTowardsSuccess',
'Seewhatwearelearning!', 'HelpusdotheHokkipokie!', 'Journeytonewandexcitingplaces!',
'ARayofCleanliness', 'Sharpenthosepencils!', 'BecomingLiterateCitizens',
'ReadingClassicsInClassBeforeyDisappearForever:', 'GoGoGoogleGadgets!',
'LiftingWeightsandLiftingSpirits!', 'BookoftheMonthProgram', 'TechnologyMakesLearningMeaningful',
'StayingUpToDate', 'AmazingStudentWorkBinders', 'Documentcameratopresentdissections', 'projects',
'diagrams', 'andlessons!', 'Books!Books!andmoreBooks!', 'FireUpLearningWithanAmazonFireTablet', '\\
\\Hands-OnLearningwithSTEMs\\', 'Classroompets!Fish', 'tadpoles', 'turtles', 'chameleons',
'hermitcrabs!', 'HealthySnackAttacks', 'FlexibleSeatingFun!', 'StayFitandExerciseWithSPARK2', 'Opt
imizingReadingGrowthwithAcceleratedReader', 'SuperStarSecondGraders!',
'

'MultiplyingOurEffortsAftertheFlood', 'WeLiketoMove-It', 'Move-It!',
'WeAretheOystersLookingForOurPearls.', 'ClassroomEssentials', 'PrototypingtoHelpOthers',
'SuperScholarsAcceleratingTowardsExcellence', 'AudioBooksforStudentsWithVisualImpairments',
'FurnitureforFirsties', 'OodlesofOutdoorFun!', 'LearningtoShred!',
'APLiteratureSuccessthroughNewNovels', 'SocialStudiesFirst', 'ChromebooksforFantastic1stGraders!',
'GamificationofLearning', 'AKindergartenSTEMtoGrowOn!', 'GuitarTuners', 'BandBasicstoCreateMusic',
'MindfulnessandEssentialOils', 'ReadingandLearningAboutFriendship!',
'TabletstoInspireMiddleSchoolMathMinds', 'BiologyInteractiveLearningLog',
'LittleBits=BigLearning!', 'OrganizationExpressTrain!',
'OrdinaryFinds...\r\nforExtraordinaryMinds', 'SpecialSuppliesforBilingualStudents!',
'CreativityIsIntelligenceHavingFun!\\"Bobcats\\"STEAM\\"Ahead!', 'ActiveRecess-Let'sGetMoving', 'W
hatdoymakeofthis?3DObjects', 'APChemistryPrepBooks', 'TakeMeOutToBallgame!',
'LearninComfort\r\n', 'WeLiketoMoveit', 'Moveit-FlexibleSeating!', 'MovingwithRobots',
'Chromebook'sForLearning', 'ReadingOnFrontLines-In7thGrade!', 'HealthyLivesthroughArchery',
'TabletTech!', 'HandwritingWithoutTears', 'STEMforTwenty-FirstCenturyStudents',
'GettingComfyinOurClassroomLibrary', 'ChromebooksHere', 'ChromebooksThere',
'ChromebooksEverywhere!', 'BringontheColor!', 'Educationissweetwhenyouhaveniceseat!',
'TeachStudentsandTheyRemember.EngageStudentsandTheyLearn!', 'TechnologyEnhancesLearning',
'DivingIntoMicroscopicWorld', 'CollaborateWithChrome', 'GrabaSeatandGo!', 'HelpUsRockandLearn', 'L
earningtoUseTechnologyOneiPadataTime', 'WigglyWorms', 'SplendidScience!',
'BalanceBallsforaBalancedLearningExperience', 'Strikeuptheband!', 'IpadintheArtRoom',
'LeveledReaders=HappyStudents', 'E-BooksR-Us', 'FlexibleSeatingForFocusedStudents',
'PrettyPresentations', 'ProficiencyinScientificPresentations',
'Walls'WigglyStudentsNeedWigglySeats', 'DevelopingaLoveofReadingPart3!',
'GraphingCalculatorsforHigherMathematics!', 'PhonicsReadingClub',
'GettingCOMFY_ENGAGEDona\r\nNEWCARPET', 'ComputerScienceintheMathClass', 'NoOrdinaryOrganizer!',
'Turnthesefrownyfacesupsidedown!', 'CleaninguptheClassroomLibrary', 'Miniipad', 'HugeDifference!',
'APoetryCelebration!', 'ActiveClassroom', 'BreakfromtheTechandLearnCooperatively',
'SeekingSensationalSupplies', 'STOP...SafetyPatrol!!!',
'FlexibleSeatingforOurFlexibleLearningSpace!', 'HydroponicGarden',
'AClassroomRugforMs.Clark'sClass', 'StartingWithSoundsandWords',
'TechSavvyThirdGradersNeedTablets!', 'RECORDINGLIVEMUSICWITHAMACBOOKPRO', 'BookstoGrowBelowGrade-L
evelReaders!', 'LaughsandLearningThroughPoetry', 'MeetingIndividualNeedsOneScribbleAtATime',
'Algebra1Supplies', 'HowWilltheWorldEnd?AStudyinDystopianLiterature.', 'TomorrowaLeader',
'STEMLearningBroughttoLife', '1stGradeWiseOwls', 'MovementTowardsaHealthyLifestyle',
'TiesThatBind:CustomBuiltWritingPortfolios', 'FullSTEAMAhead:CompleteOurChromebookCart!',
'HelpMyJournalismStudentsGoPro!', 'ReadingTakesYouontheGreatestAdventure!',
'FacetheFacts:DevelopingNonfictioninClassroomLibrary', 'TakeYourSeat!', 'StandUpandMove!',
'HeLaCells', 'Notebook', 'andFoldersPLEASE!', 'ClassroomrugsarethecenterforlearninginFirstGrade.',
'KidscanProgram/CodewithDash_DotRobots!#CSforAll#HourofCode', 'MindYourMath',
'CreativityandCriticalthinkingthroughinteractivetechnology.', 'MathToolsfortheClassroom',
'TechnologyintheMusicClassroom', 'BuildingForeverReaders',
'ChromebookstobuildConfidenceinEnglishLanguageLearners', 'BoxingOurWaytoAcademicSuccess',
'MovementIsFreedom!!!', 'UrbanGardenGrowsInterestinEnvironmentalScience',
'KindergartenersLOVEtoWobble', 'BooksandCarriersforKindergartenLiteracyCenters',
'TakingtheDisplayofStudentWorktotheNextLevel!!!!', 'ChapterBooksforThirdGraders!',
'WirelessTechforDevelopingJournalists', 'LeaveItBetterThanYouFoundIt!', 'BeanBagPod', 'Criss-
CrossApplesauce', 'ByTimeIGraduateWillINeedATextbook?', 'CalcKidsNeedCalculators!',
'Wobbleawayin2ndgrade!', 'Lead', 'Succeed!', 'NoMoreSqueaksorSquawks!WoodwindMouthpiecesNeeded!',
'StudentsNeedtoThinkonTheirFeet!', 'Steminkindergarten', 'RedBook', 'BlueBook',
'LettersandNumbersComeToLife!', 'Creatingour3rdgradecommunityoflearners!',
'TechnologyfortheAlternativeClassroomExperience', '\\"CHROME\\"NeedsPolishinginOrdertoSparkle', 'R
eadingandMathhelpsourMindBloom!', 'ATuneMakesaLessonABetterClass', 'OperationGraphicDesign',
'SmartTVneededforsomeSmartMusicStudents!', 'LouisianaFloodedStudentsGrowinginGiftedness',
'\\"Extra', 'Extra!ClassroomSuppliesNeeded!\\"', 'LandmarkArt',
'MiniipadsforAWESOME2ndgradelearners!', 'ExploreTubs', 'ComfortintheClassroom=SUCCESS!',
'FosteringSocialandEmotionalDevelopmentintheMulticulturalPre-KClass', 'FourthR??RECESS!!!!',
'ExperienceAnotherDimensionofMath...witha3DPrinter!!!!', 'SilenceisGolden!',
'WobbleMyWigglesAway!', 'KeepingNewarkFit', 'ExtraordinaryStudentsNeedTechnology',
'ConnectingBeyondtheClassroom', 'GraphicNovelsisReading.', 'HavingFunatSchool!',
'OurNeighborhoodatWork!', 'GetCozy', 'GETLEARNING!', 'WeNEEDTechnologyinourmiddleschool.',
'SuperheroLiteracy!', 'WeNeedanOsmo!', 'MakingStudentsFeelatHomeWithaCozyClassroom',
'Classroomlibraryneedsbooks!', 'TechnologyatourFingerTips', 'KeepCalmandUseaCromebook!',
'Desktops!Desktops!Desktops!', 'TooloudtoThink', 'PrinterwithoutInk', 'Technologywillsink!',
'FlexibleSeating_ActivityRugtoPromoteActive', 'HealthyIndividuals!', 'MathMustHaves',
'ParamountTechnologyIntegration', 'PersonalizedScienceNotebooks', 'BistroStyleLibrary',
'ExploringSciencethroughStemExperiments', 'SixthGradersNeedBookClubBooks!',
'AClassroomthatstudentsWANTtobein!!!', 'LearningisFlexible', 'andSoIsOurClassroom!',
'Mrs.Esposito'sClassLovesLearningaboutCurrentEvents', 'FortheLoveofLiteracy',
'FoodisFuelforLearning', 'Lightthe(Kindle)FireofLearning!', 'MyCommunityIs...GraffitiWordle',
'TabletsforThirdGrade', 'CenterTime!', 'HulaHoopMovingandGroovin', 'GoodbyeDesk_Chairs!',
'GetMyKinders\\"Fired\\"UpforReading!', 'DresstoPlay!', 'TakeaSeat-LearningisNeat!',
'KnowYourH2O:GroundwaterQualityTesting', 'LearnLikeit's2099!', 'BounceIntoLearning!',
'TabletsforIndividualizedLearning', 'ChemistsandChromeBooks', 'ListeningCenter+4=Daily5',
'DecreasingtheReadingGap-levelO', 'OurMathSkillsWillKeepGettingHotterWithHotDots!', 'PLAYTIME-Firs
tStepofLearning', 'MathatTheirFingertips!', 'TechnologyforAllinMrs.Wahlberg'sClass!',
'MathematiciansAhead!', 'MakingStudentsCenteredOnLearning', 'CreativeKinders',

'MoreThanJustOurABCs-KindergartenLiteracyMaterials', 'Weneedamoreorganizedclassroom!',
'WORLD\\r\\nisourclassroom!', 'PaintingOutsidePartII',
'InNeedof\\S\\'more\\"SpeechTherapyMaterials', 'Fidgetstohelpusfocus', 'iFit-
\\"GoingfortheGold\\"PartII', 'CriticalThinkingThroughSensoryPlay', 'LearningBeyondtheClassroom',
'BuildingCommunityOneRecessGameataTime!', 'RobotsforSTEMEducationinSanBernardino',
'SuperScientists!', 'Mind-BlowingMath:MotivatingYoungMathematicians', 'ComputertoExplore!',
'StayingActiveDuringIndoorRecess', 'AppleHarvestforourKnowledgeFarmers!',
'NovelstoReachNewLevels', 'ClassroomChromebooksforCollegeBoundSeniors!', 'STEMulatingLab-PhaseII',
'TeachingDailyLivingSkillsToSpecialNeedsChildren.', 'TidyandReadytoLearn', 'ListentoLearn',
'HelpMeWithMyWiggles!', 'BurnCaloriesAtYourDesk',
'PedalingforProficiency:pedalseatsandalternativeseatingoptions',
'InspiringReadersandWritersThroughTechnology!', 'FunPEEEquipment', 'MakingInsidersofOutsiders',
'InspiringSTEMActivitiesinKindergarten',
'Wecanbeinnovative!Providingtoolsforinteractiveengagement!',
'DemonstrationToolsforLearningandFun.', 'WiggleRoom-FlexibleSeatingOptionsforSmallGroups',
'TransformingStationaryLearningintoActiveMovementOpportunities', 'Moving_Groovingin5thGrade!', 'Ta
kingCareofOurBodiesIsNowOneLessConcern', 'ChromeZone', 'CodinginKindergarten!',
'Let'sAccessorize!', 'TeamworkinPreschool', 'OtherSideoftheFairytale',
'OrganizationAndPlanningAreKeysToSuccess', 'MathandReadingIsWhatWeAreNeeding!', 'ReadTeachRepeat',
'AngryBirds_Physics', 'GoogleAppsHelpsUsCreate!', 'STEMforK-2',
'MakingPensandPencilsforOurselvesandOthers!', 'StandUpforiPads!', 'Dailyroadmapsforthechildren', '
GettingandStayingHealthy', 'ModelingforMultipleLearningStyles', 'CreativeTechnology',
'HandsonMathandSciencetoolsforSUPERheroclass!', 'Adventurous_AmazingBooksforOurLibrary!',
'ICTCLASSNEEDSACHROMEBOOK', 'CodingwithSphero!', 'ImaginationwithDigitalStorytelling',
'SuppliesShouldNotbeALimitingFactor', 'UsingMusictoTeachReading',
'ExploringtheEarthThroughSeismicity', 'We\\"Rise\\"AboveItAll!',
'OurFairyTalesandFolktalesareFallingApart!',
'AmbitiousScienceTeaching:WhyWilltheAlaskanWayViaductCollapse?', 'UnleashingPotential',
'GetGullahWithUs!', 'TextsForAll!', 'LanguageandReadingIntervention', 'BridgingtheGap', 'Election-
Fall2016Materials', 'FullTummies=FullHeartsandFullMinds', 'HelpYoungLearnersAccessTechnology!', 'G
iveThemPossibilitiestoReadTheirFavoriteBooks', 'NotebooksforYoungWriters!',
'KeepEverythingfromWeighingtheSame!', 'Let'sUseMathtoUnderstandtheWorld!!!!', 'I'mAllEars',
'TetherballCourtsforHealthandExercise', 'CARNIVALINDOORRECESSFUN!', 'BuildingandBots',
'ShreddingThroughtheOldies', 'TakingaCloserLook!ThroughModelingandIndependentLearning!',
'GettingFitWithOZOPedometers', 'FullSTEMAhead!', 'MovetoMusic', 'PutonYourListeningEars',
'Mom!Dad!DidYouSeeMyWorkinMyPortfolio?', '21stCenturyTechnologyfor21stCenturyLearners',
'ScienceandArtTogether?NoWAY!', 'BacktoBasics:SchoolSuppliesforClassroom', 'EmpowerYoungMinds-flex
ibleseatinginourclassroom', 'LoudandProud', 'PickingUpSTEAMinKindergarten',
'TimeSavedandLearningMaximized', 'GraphicNovelstotheRescue!',
'AllFunandGamesWhileMakingAcademicGaines', 'BestSeatintheClass!',
'ChromebookandRobotics=STEM\\r\\nPart2', 'PrintmyWorldinColor!', 'OurClassroomWishListThisYear', '
ExploringandEnjoyingLifeThroughaGreatBook.', 'NewYear'sResolution:BecomeAMAZINGReaders!!!!',
'MeetingStudentsFineMotorandSensory\\r\\nNeedsinSpecialEducation', 'BooksforAllReadingLevels', 'En
gagingOurselvesWithTechnology', 'STEMReaders!', 'KindergartenStations:FullSteamAhead',
'StarbuckGoals', 'BooksinHand=AdventuresinSchool!', 'DigitalClassroomLibrary',
'AJustRightRedChairforPre-K', 'THAT'sWhat'sInAnOwlPellet?!!!!',
'iPadsToMotivate_EngageMyStudentstoLoveReading',
'MicroscopestoEngageElementaryStudentsinScientificInvestigation', 'StudentsDeserveBest',
'Let'sMakeCalenderMathPossible!', 'InSight', 'InMind!', 'BooksforOurNook',
'Tablesthatfitournneedsandourlittlebodies!', 'SoccerEquipment', 'BringingInsectstoLifein3D',
'BookReadAlouds:CatapultingOurStudentstoSuccess!', 'ToolstoBuildLifetimeSkills',
'Lockdowndrillsarenotanannoyance', 'WobbleChairs-KeeponMoving!', 'ClosingtheGapwithApps',
'UsingInferenceSkillsandPaintingOurOceanFriends', 'LibraryLACKINGLiteracy', 'Funwith3DDoodleSet',
'ReadingRugs', 'ApplePi', 'MakingMusic:AFamilyAffair', 'MakeMyStudentsTechSavvy!',
'DearSanta:Philadelphia8thGradersWantBooksForChristmas!', 'MagicalMathLiterature',
'MoreisMore!EqualAccessForAll', 'HookedonBooks', 'MovingIsOurTarget', 'ToHearMusicPound',
'Let'sBeefUpOurSound!', 'FocusedonLearning', 'OurStudentsRock!!!!', 'PerceivingPatternsinPainting',
'MagazinesMakeLearningFun!', 'Let'sPlayHockey!', 'InnovationNation-
CreatingaLearningSpaceforStudentExploration', 'TummiesRumbleWhenEmpty!',
'FlexibleSeating:ActiveSeatingforActiveLearners!', 'OntheRightTrackwithBackpacks',
'FindYourColoredSquare!', 'Help5thGradeScientistsLearnWithTechnology!', 'DustingOfftheSoul',
'TakingthelearningfurtherwithScholastic'sLet'sFindOut', 'ScholasticNews',
'LearningScienceThroughaHands-onApproach', 'OsmoIpadSTEMCenters',
'Keepourchromebookssafeandfullychargedeveryday!', 'There'sNothingtoDo:EndRecessBoredomandGetFit',
'OrganizingandGuidingFutureReaders', 'OhBaby...ParentingF.A.C.S', 'CreativitywithCrayola',
'GraphicNovelsfortheLibrary', 'WeTakeWhatWeValueforGranted',
'ListenandLoveLearning!HeadphonesNeeded!', 'FidgetingStudentsNeedFidgets!',
'iPadMinisforManyLearners', 'MacBookProForMyComputerPros!!!',
'Engageallstudentswithflexibleseating!', 'CrazyforUkulele', 'WigglyBottomsNeedSpecialSeats',
'WeGottheBeatbutWeNeedDrums!', 'LifeAfterHurricaneMatthew', 'MakingMagicalMusic',
'STEAMAndSTEMGrowingTogether.', 'PrintingPress2.0', 'Clay',
'glazeandstorageforthenewkiln05/02/16', 'CuringAutisminMrs.Carter'sClass', 'ReadingTable',
'NeedtoReachOurVirtualMentors!!!!', 'WalkOn!!!', 'Let'sPaint!', 'CartsforComputers',
'GreatBridgeProject!!!', 'Flexible_ComfortableSeating', 'LettheStringsSing!', 'PotteryClub',
'ArtofTeaching:KidsNeedZenArtinSchool', 'STEMKitsforMakerSpace', 'STEMBooksforAnimalReports',
'CreativeStickyMurals', 'FeedOurMinds:HungryStudentsNeedSnacks',
'KeepourSchoolGardenAliveandThriving!', 'Walkingandplayingwithapurpose!'

'ClassLibraryLackingChapterBooks', 'StandUpForSuccess!', 'WiggleWhileWeWork!!',
'MusicBooksforNewMusicians', 'FlexibleSeatingforFocus', 'MathManipulativesatEQ3!',
'HelpUsPutOurSupplyShelfBackTogetherAgain',
'SpecialEducationStudentsNeedWorkStationDesksandChairs!', 'COMFYCHAIRSWILLHELPUSBECOMESCHOLARS', "
It'saHappyDayinPre-K!", 'LearntheScienceofLostWaxJewelry.',
'GreenScreenProjects\\r\\nHelpWanted!', 'Hands-OnExploration\\r\\ntheProblemSolvingSTEM',
'BinderFinder!', 'GooglifyOurClassroom', 'FromAbstracttoReality.', 'EngagedMinds',
'BeautifulCopies', 'LearningThroughListening:ANewLiteracyCenter!',
'ClassroomManipulativesforMyAmazingSecondGraders', 'HelpUsPlayAdaptedSports!',
'TechnologyWe'reAllAboutIt!', 'ReachingReadingGoals', 'IPadMinisforKindergartenMinis!',
'TechnologyinArt', 'OhMY!', 'BuildingaPrintRichClassroom', 'ListenWhileYouWork',
'MathCenterActivities', 'YouCan'tDotheRequiredReadingWithouttheRequiredBook...',
'WeavingThroughHistory!', 'We'veGottheWiggles!', 'BambooPadsforDifferentiatedLearning',
'WeWantFitBitstoSharePlease!!!!', 'PhysicalEducationontheMove',
'ACarpet:HeartofOurClassroomCommunity', 'OrganizedManipulativesforMyMotivatedMathmeticians',
'ArtofCollaborativeWorking', 'HelpMeTeach!', 'KillaWattEnergy', 'HotDotsforLearning',
'MathToolsCreateSuccess', 'ReadTogether', 'LearnTogether', 'TouchLivesWithTouchtronicTechnology',
'SturdyShelving!', 'AdditionisawayofLife', 'Let'scalmdownandread!',
'Burlingtonbackpacksforthewin!', 'WiggleWhileYouWork:FlexibleSeatingOptions',
'TeachingPitchDuringtheCriticalPeriodforAuditoryDevelopment.', 'andMath...YESPLEASE!!',
'KindergartenMakeover!', 'BalanceDiscstoAllowBrain'sReadinesstoLearn', 'iPadformyClass!',
'Rockin'SchoolChairsforStudentsontheAutismSpectrum', 'Mrs.Newsome',
'DesktopComputersWillSupporttheInclusionofSpecialEducationStudents', 'It'saMATHterpiece!',
'School-WideMindfulness', 'FocusonMovement', 'KinestheticKindersLiketoMoveIt',
'MoveIt!\\r\\n\\r\\n', 'PlanttheSeedtoRead', 'BackpacksforClass', 'TechnologyToday',
'TranscendenceTomorrow!', 'SuppliesNeededforGrowingMinds', 'FlexibleSeatingProject', 'Help',
'OurRoomGotFlooded!', 'CreativeandComfortableSTEMProjects',
'Extra!Extra!READAllAboutIt!\\r\\nReadingInKindergarten!', 'HighlightThis!', 'LookatMeGrow!', 'Bui
ldingStudentKnowledgeWithGeometricShapeBuildingSets', 'AnOrganizedClassroomisaHappyClassroom', 'He
lpImmerseOurArtClassinWatercolors!', 'MultipleMalletMania',
'Roboticsand3DPrintingforOurUrbanMAKERSPACEClassroom', 'FamilyEngagementinSTEM',
'MediaCenterMakeover:BringingtheSchoolLibraryInvitingtoStudents.', 'MakeLearningPermanent',
'Stand-UpandSwingtoSuccess!', 'Tilesarenottocomfy', 'VividVisualsforMathandReading',
'FullSTEAMAhead', 'TeachingTriumphantlywithTablets', 'RavedReaders',
'MiddleSchoolSuppliesandSmiles', 'VarietyistheSpiceofLiterature',
'BookBoxesandClipboardsforMrs.Chen!', 'DiscoveringthePhantomLanguageinPhantomTollbooth',
'Extra!Extra!\\r\\nStorage', 'ThatIs!', 'ScientificCalculatorsforScience',
'\\r\\nChargingOurChrome\\r\\n', 'Gettingcomfyandcozyonthereadingrug!',
'HarnessingWigglesWithHokkiStools', 'STEMingAheadWithFolktales!', 'ACTBooks',
'Wearecrazyforcoding!', 'ControllingRobots-OneCodeatatime!', 'StarbucksClassroom',
'EmpoweringStudentsThroughArt:CreativityComesAlive', 'CheckOutPlayosmo.com', 'FOODfortheSOUL',
'MissLuce'sClassroomMailbox', 'NeverTooYoungToBeHealthy!', 'InLivingColor', 'KeeptheMusicAlive!',
'ChromebooksintheClassroom!', 'HeartheMusic', 'SeetheMusic!', 'FirstGradeIsFull\\r\\nSTEAM\\r\\nAhead!',
'ChromebooksforMyThirdGradeClass', 'InLivingColor(andDigitalToo)!!!!', 'CANYOUEHEARMENOW????',
'2...BooksFromYou...3', '4....WeThankYouEvenMore!', '3DPrinterforYoungDesignersandInnovators', 'S
howMeWhyMoneyMatters', 'WewanttolearnEnglish!', 'ReachingforNewGoalsinFitnessandMindfulness', 'Sci
enceIsSoMuchFun!', 'Hands-On=Minds-On!', 'MoreTechnologyPlease!', 'morethatyouread...',
'PaintingSuppliesforTalented4thGraders!', 'Movin'_Groovin'whileWorkin'(part2)',
'HealthierandHappierStudents', 'WatchmeTech...WatchmeLearn', 'SuppliesforStartingSecondGrade', "Le
t'sGetRidoftheDesks!", 'BackpacksforOrganizedScholars!', '1stGradersMoveandGrooveWithTechnology!',
'LiteracyCenters2.0', 'CreativeandCriticalThinkingwithTechnology:LiteracywithChromebooks',
'IpadswantedforaCooperativeLearningEnvironment', 'Puppets_Performance',
'GoldilocksTrespases!UnderstandingPlotThroughAdaptationExaminations', 'FolderFrenzy',
'ATidyAreaisaBetterAreatoLearnIn', 'Student-LedConferences', 'Sharethelearninglove!',
'ChromebooksforCuriousMinds', 'RelaxingReadingNook', 'TechnologyforResearch',
'MaterialsForOur\\r\\nLearningCenters\\r\\nSoundLikeAWinner!', 'LifeCyclesUnit:HatchingChicks',
'WeRhyme', 'WeRepeat', 'WeLearntoRead!', 'OrganizationforCollaborativeSpace', 'DearDiary',
'helpmystudentsexpressthemself!', 'ProjectReadpart2', 'ChromebookforMath',
'BridgingtheTechnologyGap', 'TechnologyforKindergarten!', 'CrazyforKindles!',
'KeepingOurTeethCleanandOurStomachsFull!', 'CubbiesPlease!',
'PianoProjectforProducingProudPerformers', 'DigitalMagazine', 'StartingtheYearOffontheRightFoot',
'LeadersinTechchology', 'ReadingtheClassicsToday!', 'DigitalizeMyClassroom!:',
'HelpingMyStudentsBecome\\r\\nUpfront\\r\\nLearners', 'Let'sConnectwithSTEAM', 'Identity:Self-Portrait',
'AisforApple', 'Feel...ShapetheLearningforOurLives',
'21stCenturySkillsandTechnologyOptimizedtoImproveOURWorld!!!!', 'AlamoSupplementalReading',
'FutureofHealthandMedicine', 'EmpoweringStudentsThroughArtbyMovingFullSTEAMAhead',
'LearningPhotographyatanEarlyAge', 'Happinessisseeingandhearingmystudentsread',
'4thgradersneedtounderstandtheimportanceofenviromentalsscience', 'ScientistNeedJournals',
'BooksAhoy!', 'BlueSeatSacksforEngagingBooksintheESOLClassroom!', 'Wiggle...andLearn!',
'SeekingKnowledgeThroughTechnology!', 'Let'sHittheTargetofBeingActiveintheClassroom!',
'ReadsfromAroundtheWorld', 'LearningThroughTechnology!',
'Neverunderestimatetheimportanceofhavingenoughroomtowork.', 'Extra-
\\r\\nThirdGradersReadAllAboutIt!', 'Osmocansavetheday!', 'MathMania-
\\r\\nLearnMathforaBetterPath!', 'FutureMathematiciansandScientists!', 'ReadingChairs',
'WeightyWordWizards', 'FlexibleSeatingClassroom=FlexibleMindsinControl', 'ILiketoMoveitMoveit', 'M
akingaMakerspace\\r\\nPartTwo', 'Extra!Extra!ReadAllAboutIt:SocialJusticeReaders',
'ClassroomSuppliesNeeded!', '\\r\\n\\r\\n\\r\\nThroughtheEyesoftheDocCam!', 'ListentoLearn!', 'Yog

aasExercise!', 'HelpUsHearOurTasks!', 'BasicNeedstoKeep3rdGradersHealthyandOrganized!',
"TechnologyforTubergen'sTigers!", 'ICANdoit!',
'WhiteBoardsandSuppliesforStudentsWithSpecialNeeds', 'CalligraphywithNoAgenda', 'FlyustotheMoon-As
tronomyLabSupplies', 'ItWouldBeNiceToSee!', 'Survival', 'Resilience', 'Redemption',
'STEMInspirationThroughLiterature!', 'ComeAlongandListenTo...\r\nTheLullabyofEastLA\r\n',
'ListeningCenterExtraordinaire', 'Bees', 'FlowersandPlanetsYippee!', 'IpadforTitus'TalentedTeam',
'InitiateiPads', '3DPrintingforourInnovationLab', 'ListeningandWorking(Wiping)AwayinWorkshop!', 'T
echnologyforReadingPlease!', 'RecessRelief', 'Akidneytableforsmallgroupinstruction',
'BouncingOfftheWallsinFirstGrade!', 'LeapttoLearn!', 'StandandDeliver', 'SuppliesfortheSchoolYear',
'StudentInstruments', 'MagnificentMath', 'NowShowing...ScientificMinds', 'BalancingActs',
'StoryActingforELLs.', 'ComfyCozyReadingBags',
'LearningtoOvercomeSensoryDeficitsThroughDifferentTextures.', 'Hands-OnScienceForTinyHands!',
'IpadAccessoriesforMultiage!', 'BringLearningtoLife', 'OrganizeOurSupplies', 'Please',
'SlapShotSports!', 'EngagingBilingualLearnersandMaximizingClassroomSpace',
'Flexibleseatingforflexiblebrains', "TechnologyforToday'sLearners", 'BooksBuildBrilliantBrains', '
FindingTruthinFiction', 'FlexibleSeatingisWorkingWondersformy2ndGraders!',
'TechnologyisourFuture', 'ChromebookstoEnhanceOurLearning!',
'ThirdGradersProtectingOurEnvironment!', 'CompleteCoreforCompleteKids',
'EarlyChapterBooksandMore!', 'KindersClassNeedsSafePlaceforTechnology!Part2',
'PleaseHelpOurStudentsFulfillTheirNeedForSpeed', 'LastLecture:MiddleSchoolMantras',
'FosteringaLoveforLiterature', 'MakingreadingexcitingthroughTECHNOLOGY!',
'FlexibleSeatingforFirstGraders', 'SeamlesslyIntegratingTechnologyintoourESOLCurriculum',
'StartRightWithArt', 'BookTastingsandBookClubs', 'EssentialSnackForHungryLearners',
'PlopDownandRead', 'AllThatJazz!', 'CodingFun!Part1', 'ListeningToBooksHelpsUsLearn_Understand!!',
'Magazinestoassistinflucencyandcomprehension.',
'ReadersLiveaThousandLives!':Turing5thGradersIntoBookworms!', 'PictureBooksThatPop!',
'APlacetolearnandGrow', 'LearningtobeabetterReaderwithiPads',
'TeachingSocialJusticeThroughReadAlouds', 'IncreasingEngagementwithTechnology',
'WeNeedBullfrogstoDissect!Please', 'ARCF/SIMS', 'ReadingEssentials',
'EquitableAccesstoCollaborateandCommunicatewithChromebooks', 'CentersNeededforPre-k!',
'21stCenturyLearnersNeedChromebooks', '3EyesonMe', 'LadyLancersBasketball',
'EverydayCountsEspeciallyinMath', 'ExpandingtheLearning!', 'iPadsintheLibraryMediaCenterPartII', '
Touch-ScreenTabletsforComputerScienceandMathematics', 'ShinealightonBiology!', 'ToMarsin2030',
'SeatingSuccessforSuperHeroes', 'HealthyBodies', 'HealthyMinds', 'EngineeringinKindergarten',
'Chromebooksfor21stCenturyClassroom', 'VirtualFieldTripsforKGKids', 'CreatingLifelongReaders', 'Le
arnersandThinkers', 'TechnologyForAllandStarsAreLimit!', 'StayingIndoorActiveWithGoNoodle',
'LegoWork', 'Project:LeopardCubCodingClubPartIV', 'WiredforSound', 'FidgetCubesfortheFidgety', 'Ec
onomics:ToMarket', 'ToMarket', 'ToLearnAboutOurEconomy!', 'Hands-onMathRedesign',
'TechnologySetsUsFree', 'TechnologyinPre-K!', 'IpadLiteracyandMathStations', 'Aseatforone',
'aseatforall!', 'CreativeCoding', 'Projectmehigh!', 'Today'sreadersaretomorrow'sleaders!',
'BeeAwarefortheEnvironment.', 'BeautifulYouProject', 'ANewHomeforaGrowingTurbo',
'KindleExcitement', 'WeWantanOmnikinBall!', 'ShapingUpfortheNewYear!',
'No\\"Weighting\\"ForFitness', 'Startofsomethinggreat!', 'ExcitedAboutActiveLearning!',
'iLEARNwithiPADS', 'too!', 'HandsonLearningThroughTechnology',
'GoProCamerasforGoingGreen:EnvironmentalFilmmaking', 'GrowingGarden',
'KINDERGARTENLEARNERSONIPADS', 'ANewLookForNewYear!', "WiggleN'Read",
'SUPERstudentsneedSUPERSuppliesforsuccessinSecondgrade!!!', 'FocusPocus',
'SailingIntoaSuper4thGradeYear', 'FortheLoveofaGreatSeat:Part2!', 'ArtAcrossAllAreas',
'CreatingaModernMathClassroomtoExploreandLearn', 'AcozyReadingNook',
'DigitalResourcesforaDigitalWorld', 'HealthyHearts', 'HappyKindergartners!', 'CanIGoogleIt?', 'Bac
ktotheBasics...SchoolSuppliesThatIs!', "What'sThatSound?", 'SuppliesforSpecialKids',
'GeronimoBooks!', 'WeNeedBooksAsExcitingAsWatchingGrassGrow', 'Hands-onScience=EngagedStudents!',
'AmericanLiterature:RoomWhereItHappens', 'AHamiltonSummer', 'SpecialSuppliesforSpecialNeeds',
'TechnologyAdditionsforKindergarten', 'BotanicalIllustration_PlantMorphologywithDrawingTablets', '
GetTECHYWithIt*iPadIntegration*', 'RelevantReadingforReaders!', 'GettingActiveonRainyDays',
'DigitalDiscovery', 'ThreeDimensionalArtSuppliesFor350ElementaryArtists!', 'An\\"Apple\\"aday',
'keepsthelearningcobwebsaway!', 'TPSGetsDrumFIT!',
'GreatBooks=GreatEngagement=GreatReadingSkillGrowth!', 'COMFY', 'RELAXED',
'HAPPY:\r\nReadingWayItShouldBe', 'Stimulate', 'Challenge',
'andDiscoverRelationshipsWithBrainPower!', 'ExploretheWorldFromtheComfortofOurClassroom',
'Imagine', 'inColor!', 'LaptopsforLearning!', '\\"WriteOn\\"',
'LabandSafetySuppliestoKeepScienceEngaging!', 'IncreaseSelfControl_SocialSkillsWithTechnology!!!',
'MATH...JustDoIt!!!!', 'GiveMeaVoice!', '21stCenturyFlexibleSeatingOptions',
'BuddingWritersontheRise', 'ScienceSizzlesin3rdGrade', '\\"Aahhhhh\\"SinkingIntoReading',
'DevelopingDigitalLearners!', 'MiniDroneTeamExplorationProject',
'21stCenturyChromebooksFor21stCenturyStudents!', 'ListeningandLearningLessons',
'EngagingMathematics', 'AmazingAlphabetPractice!', 'MathMotivators', 'BreakingoutoftheMundane!', '
SuperReadingCouchesForSuperHero2ndGraders!', 'WeWon'tStopUntilWeGetALaptop!',
'AnAppleadayCanChangetheWorldofLearning!', 'GardenWormsforCommunityHealth',
'TeamSportsHelpBuildUnity!', 'ImaginetheIpadabilities', 'FORTHELOVEOFWRITING!!!!',
'Gettingtothe\\"Kore\\"ofthefocusproblem.', '\\"ICan\\"LearninginScience',
'3DPrintingwithdaVinci', 'FromMetalChairstoFlexibleSeating', 'ChromebooksforCreativeLearning',
'TechnologyistheKeytoOurFuture!!!!', 'LearningWhileWeMove',
'LCDPROJECTORANDiPADFOR21CENTURYMaximumLearning',
'StarttheDaywithSupplyingLifeEssentialsforOurChildren!', 'GrowingMinds.HealthyBodies.Success.', 'M
aternityHelpPlease', 'StaringinOurOwnReadAloudVideos!', 'LearningthroughPlay',
'ICanDrawin\\"3D\\"withDoodlepens!', 'Movin'andGroovin'", 'EngagePre-

teenReadersWithBookstheyCanRead!', 'YardCommunication!', 'Racetothefutureexploringcarsandplanes',
'BouncyKidsNeedBouncyBands', 'MaytheForceBewithUs', 'FlexibleSeatingforInquisitiveMinds!',
'WritingFindOutWhatWe'reThinkingWithJoanDidion', 'HandsonArt:EricCarle',
'CreateandInventwithlittleBits', 'StudentsSeekingSupplies!', 'Emily'sClassroomCarpetFund!',
'MindfulnessandYoga', 'LotsofBooksforLittleLeaders',
'EngagingaCommunityThroughtheUseofTechnology', 'LegoWedoRobotsAreRunningtheClassroom!',
'TouchLearning', 'ReadingAboutReal-WorldEvents!', 'DoYouWanttoPrintasnowman?', 'Coding:Bee-
BotstoDiscoverComputerScience', 'WhoWouldn'tWantToLearnWithaPenThatTalks!', 'Hokki',
'CanYouHearMe?', 'TechnologyDrivesLearning.', 'FitnessGurus', 'GoggleForYourNoodle',
'ScratchingtheSurfacewithFinancialIQ', 'SeekandYouShallFind', 'FutureYogi'sNeedSupplies!',
'\"ReadingisDreamingwithOpenEyes!\"', 'CookingUpSomeFun', 'OurClassroomisOurSecondHome2',
'BackJackReadingChairs', 'GetCollegeReadyWithChromebooks', 'Fitforlife!',
'MasteringFinancialLiteracythroughDramaticPlay', 'FrustrationFreeTechnology!', 'DryBaby',
'HappyBaby', 'STEMtoLifeWithWonderWorkshop', 'MultimediaReading_WorkStation:WeAllCanLearnNow!', '\n
\"ChromeBookworms\"ReadersandWritersoftheFuture', 'Math.Fun.SameSentence?Yes!!',
'AllHandsOnDeck!!!', 'HVCHuskies:EngineeringEnergyfortheFuture!', 'RigorousReaders-LevelledLibrary',
'SafetyintheScienceLab!', 'AniPadforGrade1!', 'ClassroomLibraryNeedsEngagingTitles',
'KindleaFireForLearning!', 'CampaigningforEarth!\\r\\nRevisitingthe3R's(SIMS)',
'ScienceisontheRise:Goggles', 'WobblesandSupplies!', 'TechnologyfortheFuture',
'THELIVEOAKEAGLEWAY', 'Helpmy5thGradersExploreTechnology!', 'KeepingtheTinSTEM',
'BrainyToysforBrainyKids!', 'HealthyTechnology', 'Spicingupournewclassroomwithartwork!',
'STEMforEveryone!', 'FromYourNesttoOurs', 'OUTDOORCLASSROOM', 'CleverHandsatSchoolandHome',
'Escape', 'Challenge-READ', 'BeingOrganizedSavesPreciousTime',
'AwardWinningBooksMakeAwardWinningReaders!', 'MakeitEASYwithDRYERASEEASELS!!!',
'LearntoLoveReading!', 'StoppingTimetoTakeMeasurementsforPhysics', 'ThisIsHowWeYoga!',
'We'reOverStimulated!', 'MedicalTerminologyFeedstheMind', 'EquipmentforSpecialPeople',
'RevelanceMakesLifeLongLearners!', 'Clickety', 'Clickersontheway!!',
'EngagingStudentsand\"Charging\"Brains!', 'HelptheHawk-BotsPrepareforSTEM', 'SpheroRobots-
CodingWithaPurpose', 'EagerElementaryKidsAreEcstaticForEbooks', 'BETTERTIME!STEAMandSTEMforALL!',
'RoundTablesfor21stCenturyWorkspaces', 'SpendItORSaveIt', 'DifferentiatedInstruction!',
'MusicistheUniversalLanguage!', 'ANewWorld', '\"Let'sFindOut\"inFirstGrade!',
'GettingBacktoHealth', 'ReadingisFUN!', 'AHealthierClassroom', 'MakingRecessFunAgain!',
'PlanningGoneWild', 'InformationalBooksforFutureOlympians!', 'StartingoffwithTechnology!',
'ICanReadtheNewspaperandUnderstandIt!', 'NowYouSeeIt', 'GetUpandPlay!',
'GraphingCalculatorsMakeLifeSimpler-Weneedone!', 'BuildKinderLiteracyWithMagazines!',
'WarmupourChillZone!!', 'MakingALastingImpression', 'OneThatWillCatchYourEars',
'EmpoweringtheTechnologyGeneration',
'ChevronandChromebooks:BringingTechnologytoLifeinOurClassroom', 'LincolnLabInvestigators\\r\\n', '
BuildingAClassroomCommunity', 'Singingbowlsforthestressreductionandemotionalrelease',
'PirateThemedClassroomfor6thGradeMathematicians!', 'IpadsofarCreationandSharing',
'HelpMyStudentstoRead!!!', 'HumanMachineProject', 'ChromebooksToAccelerateOurLearning!',
'TeamworkMakesTheDreamWork:LetThemPlay!', 'StoriesThatSurroundYou', 'GofortheChrome\"Books\"', '
3rdGradersinNeedofTechnologytoEnhanceLearning', 'LETSHELPSREADINGTHEMUSIC',
'Mrs.Creel'sComprehensionConnections', 'ReadAllAboutIt!ChromebooksNeeded.', 'SpellingJournals', 'O
rganizingourThinking!', 'StayingACTIVE(EvenonRainyDays)', 'CommunityCarpetforAll',
'SchoolSuppliesForChildrenInNeed!', 'DrummingAroundtheWorld', 'ARiverRanThroughIt',
'Babyit'sColdOutside', 'CodeAwayinSecondGrade...\\r\\nUsingRobotstoEnhanceLearning!',
'MissingPiecetoLearning!', 'FlexibleSeating!Movement+Comfort=Learning',
'DigitizingtheMathClassroom-NoPapers', 'FasterFeedback!', 'BareNecessities!',
'CriticalThinkingThroughTechnology', 'FutureWriters!', 'EnglishLanguageAcquisition{Part1}',
'MyKidsNeedtoBranchOut:BeginningChapterBooks', 'FractionsareFriends', 'notFoes', 'MailsHere!',
'InspireandAchieveThroughWonderandTechnology!', 'HelpingStudentsBeSuccessful',
'HELPUSETACOMPUTER!!', 'OurComfySpot', 'ProgrammingtheFuture:CodingWithKids',
'PortableNeedsPrinter', 'SocialEmotionalBooksforKidsoftheFuture!', 'WigglingWhileWeWork!',
'Yearbook/TechnologyVideoEquipment', 'FirstGraders:LikeSandsintheHourglass',
'CrisscrossApplesauce:ClassroomRug', 'FrogandToadareFriends...AndSoAreWe!',
'Movement_SeatingMatters!', 'SpecialTechSuperstars!', 'EncouragingSportsmanshipandCooperation', 'M
indsinMotion:ReadingforSuccess', 'KeepItMoving!', 'Comprehension',
'andDon'tForgetAboutCommonCore!Part2\", 'ScientificmethodfindingsinCOLOR!',
'VisualAssistanceEverywhere!', 'SnugasaBugonaRug!', 'WiggleandLearn!',
'FireTabletsthatwillInspireLearninginthe21stCentury', 'HeadingtotheOlympics....WithBars!!',
'Phonics', 'Chargers', 'andSightWords', 'CURRENTWRITERS\\r\\nFUTUREAUTHORS',
'HelpOver100KindergartenersHaveaReallyRockin'Recess!', 'MacbookProLaptopsforRoboticsCompetitions',
'ClassroomLibraryForEnglishLanguageLearners', 'FriendZone', 'STEAMFullAheadintheMediaCenter!', 'Ex
ploringtheUniversewithMicrocontrollers', 'WeAreArtSmart!', 'CodingandLearningWithOsmos!',
'Don'tJustSit', 'WiggleWhileYouLearn!', 'AdventuresinFourthGrade:OperationReadingArea',
'HelpUsCalculate!', 'AddingArt:ProvidingColorandOrganization',
'PlacesWeWillGo\\r\\nWithScholasticNews!', 'ClassroomSuppliestoFueltheYear',
'ChromebooksforCatchingUp', 'ThereisnoIinTEAM!', 'HelpUsVisualizeScience!',
'CanYouImagineLivingBackThen?', 'LeapingIntoLiteracy!', 'TechMeetsFitness',
'AcidsandBases:Let'sNOTRecreatetheHindenburg!', 'OurChildrenLovetoCode_Create!',
'iPadMinisforWorkshop', 'WeNeedtoMoveandLearn!', '21stCenturyKindergartenChallenge!!!',
'HelpUsBecomeActiveLearners', 'BiomeExplorers!', 'Extra!Extra!ReadAllAboutIt',
'EmpoweringStudentsThroughArtUsingInteractiveScienceNotebooks',
'UsingTechnologytoCreateExcitingeBooks!', 'GettingOrganizedin1stGrade.', 'ChromeBookFun',
'KeepUsCleanandHealthy!', 'ResourcestoHelpStudentsFurtherReadingandMathSkills',
'GettingExcitedAboutReadingWithComicBooks!', 'Welovetoread!!!!', 'YouWeighWhat?',

'iPadsForProgrammingDrones', 'HeadphonesHelpLittleHeadsLearn!', 'TimeKeeper=EmpathyBuilder', 'MagicCarpetRide', 'SocialSkillsFun!', 'Height', 'Width', '_DepthofLearning', 'WeWantToReadAllAboutIt!', 'Havingfun', 'whilelearning', 'StayActiveandHappy', 'LittleTechs', 'ChairsandDesks', 'It'sRainingMoney!Coins', 'andBillsforEveryone!', 'InvestigativeScientists!', 'EveryChildisanArtist-Picasso', 'GettingtheWigglesOut', 'PlayWithPurpose!', 'Chromebooksfora21stCenturyClassroom!', 'BiggerISBetterWhenYouAreVisuallyImpaired!', 'WhatintheWorld?', 'Strivingtothetopwithourdevices!!!', 'WENEEDSPECIALITEMSINSPECIALED', 'AnAppleADaySupportsInquiryLearning', 'Hooray!', 'KeyIsFlexibility!', 'ActivateOurLearning', 'KidProofCases', 'MakingAlloftheRightMoves', 'Appleinourhand', 'wecanstandonreading!', 'ComfyClassroomHelpsStudentsAchieve!', 'YogaTime!', 'Soap', 'Tissue', 'andWipes!OhMy!', 'DiveinandExploreScience', '\\\"Let\\'sMeettheStars\\\"', 'OohtheplacesweWANTtogo!', 'BUILDING21STCENTURYSTUDENTS...MATH_SCIENCEISTHEWAY!!!', 'STEMBundles', 'BouncingintobetterConcentration', 'BreakoutLearning!', 'WondrousWritingWorkbook', 'ReachingtheNextLevelWithBlendedLearning', 'FromPlainJanetoMrs.Frizzle:AwakeningtheScienceCurriculum', 'DelightOurEyesWithNewSchoolSupplies!', 'ChromeBooksForClass', 'WhoRulestheEarth...HumanBeingsorClimate?', 'SucceedIndeed', 'KrazyforKoreStools', 'Let'sScrapbook!', 'WeNeedtoStepUptothePodium!', 'CometoOur\\\"CastleofBooks\\\"Library!', 'AllEarsonTask', 'LittleLearnersLoveLuLu', 'ActivelstGraders...MovingInsideandOutsidetheClassroom', 'LearningMoreThroughMovement', 'MathonMinis', 'Let'sGetX-citedfortheXylophone!!!', 'BringingEverydayTechnologyintoaSpanishClassroom', 'BoardBooksForAll!', 'An\\\"Apple\\\"ADay', 'KeepsStudentsLearningAllDay!', 'Help!MyLibraryis\\\"Lame\\\"!', 'HumaneEducationinBoston!', 'MesmerizingMemoirsforStudents', 'MeetingOurNeedsWithTechnology', 'StraightOuttaRoom207andIntotheRealWorld!', 'On\\\"FIRE\\\"forEducation', 'RecipeforSTEM_Technology', 'TakeaLook', 'WeNeedChromebooks', 'ACTIVEClassroomsMakeACTIVELearners!FlexibleSeatingforFifthGraders!', 'WhatisJustice? AntigoneinChicago2017.', 'MediaLiteracy--TeachingCurrentEventsWithUpfrontMagazine', 'WeWanttoReadtoOurMoms!', 'ChromebookforEveryKid', 'LiteracyintheArts!', 'Hoo-rayforChromebooks!', 'ActivelearningstartsandcontinueswithBouncyBands!', 'LearningGamestoPlayKeepsBoredomatBay!', '3-2-1FocusThatEnergy!', 'CollegeCelebration!', 'NormanNeedstheBareNecessities!', 'LionPrideWon'tBeDenied:CampaignForASaferSeason', 'MyDream:SeeingMyStudentsEngagedInLearning-Positively', 'SpanishReadersNeedBooks!', 'StudentsWillFinallyBeAbletoHearThemselvesRead!', 'ScientistsinNeed!', 'MaterialsNeededina3rdGradeClass', 'DocumentIt!SharingIsCaring!', 'EncouragementThroughReading', 'ScienceAndArtFromRobotsToInsects', 'AMindstormisBrewing', 'TaskBoxtotheRescue!', 'KinderSavvy', '\\\"Toon-ing\\\"IntoGoodReads!', 'UkeCanDoIt!:UkulelesHelpStudentsSucceed', 'TravisHighSchoolGreenTeens'StorageShed', 'GettingOrganizedwithAVIDElementary', 'SolarSystemtotheMax:LargestintheWesternHemisphere!', 'APlacetoreadandRelax', 'Mrs.Karp'sYogaUnit', 'MiddleSchoolStudentsNeedtoMove!', 'HelpmeFocus!', 'ToInfinityandBeyond..OneBookAtaTime', 'RobotsandLearningandFun...OhMy!', 'Technologyforthe21stCentury!', 'HardtoHearWithoutHeadphones!', 'InspireLearningWhileReadingwithNonfictionBooks', 'TimetoD.E.A.R.(DropEverythingAndRead)!', 'ComfyandCozyLearners', 'FoamHockeyStickBladesforSafety', 'KinderKahoots', 'ChromebooksforELLIndividualLearning', 'LegosforEngineeringandColaboration', 'RappingItOutwithFamily9', 'PerfectPrinter!', 'AliveWithLiteracy', '3-DDoodles!WhereArt_TechnologyMeet!', 'ExtremeHotTempsRequireFoodandProtection', 'UniversalDesigninPrek', 'SchoolSuppliesforFabulousFirst-Graders!', 'BuildingIndependentReadersandWritersofTomorrow.', 'GettingComfyandCozyReadingandMeeting', 'EnvironmentalActivists!', 'Onourwayto5thGrade...', 'Organization:Pointers', 'Centers', '_anEasel', 'AnAppleisJustWhattheDoctorOrdered', 'BringingStoriestoLife:RetellingWithPuppetsinKindergarten', 'GettingCozyWithReadingandExploringWithShapes.', 'CampComprehension', 'TechnologytoIntroduceOurStudentstotheWorld'sPossibilities', 'BuildingSkills:Friday20%TechnologyTime', 'MakingPrint-MakingPossible', 'RockYourReading!', 'iPadsin2nd', 'NatureBooksforNatureKids', '\\\"Unwind\\\"WithOurCross-ContinentLiteratureCircle', 'WobblingandStandingOurWaytoBetterHealth!', 'We'reonFireforKindles!', 'Feelin'FineAboutFineMotor', 'BuildingfromtheBottom!', 'LaminatingPouchesNeededforDurabilityandLearning', 'KindleFireTabletsfor1stGradeWizards!', 'ASpaceToCallTheirOwn', 'CoffeeCart', 'AlternativeSeating', 'Weneedstencils!', 'MathisWhatWe\\\"Glue\\\"', 'WhereWouldYouLiketoSitToday?', 'BuildingHealthyMindsandBodies', 'LacrosseYouUp', '\\\"Adding\\\"UpOurMathSkills', 'LiteracyandMathMobileCenters', 'PrintOurWayToABetterLearningExperience!', '5thGradeDissectionFun!', 'OrganizationIsKey!', 'HomeLivingEssentials', 'LIFEasweknowit.', 'Say\\\"Cheese\\\"...ButPassOnEatingProcessedCheeses', 'StudentScholarsTeachTechnology', 'ExerciseBodiesandMinds!', 'KeepCalmandEatYourVEGGIES!!!!', 'EfficientWork? HelpFundWirelessMiceforStudents', 'theChoicesWeWillMake!', 'BetterListening', 'BetterReading', 'FlexibleSeating!', 'StandUpforStudentswithStandingDesks!', 'Withstickynotes', '3rdgraderscandirecttheirthinking!', 'Big', 'Super', 'ScienceHeroes!', 'VisualLearnersNeedInfographicBooks!', 'MagicofBooks!', 'HandsonforLearning!', 'Helpusincorporateplayintoourday!', 'SproutingatLakeshore', 'LittleSTEMEngineers!', 'DigitalEngagementProducesLearning', 'InteractiveMathClassroom', 'FlexibleLearning', 'YesWeCan!', 'Flex'nGrow', 'BassinthePlace:WeNeedTubaMouthpieces!', 'FeedingOurPassions', 'LearningWithFlexibleSeating', 'YOUCanHelpThirdGradersExcelinReadingandMath!!', 'FlexibleSeatinginLowIncomeClassroom!', 'Chromebooksfor1:1', 'AccommodationSuppliesforWriting!', 'PostingIdeasWithPostitNotes!', 'RememberWhenYouDidHands-onScienceActivitiesinSchool?', 'FantasticMath:AlgebraStudentsNeedLaptopstoFindIt!', 'Art:Aharddayswork.', 'MakerspaceMagicLandsInLibrary', '10Prize-WinningToonGraphics\\r\\nforMyFifthGradeClass', 'PresentationsDone\\\"Easel\\\"ly', 'ClassroomLibrary_ClassroomCashStore',

'ScanningforMyIntelligentLifeForms', 'AWriter'sDream-AllWeNeedToSucceed!',
'ReachingforStars:STEMstyle!', 'G4(GreatGreenGatorGarden)', 'I'mgoingtobeFAMOUS',
'LetReadingBegin', 'HeadphonesforMathematicians',
'WiggleWhileWeWork:UsingWobbleSeats/FidgetstoStayActive\\r\\n', 'BASICally-weneedsomeBASICS!', 'Mr
.Whitney'sFantasticFourth', 'KindergartenVanGoghs', 'Don'tLoseYourBalance!',
'ACTION!Helpkidslearnthehowcreatefilms', 'YogaforKids!', 'HelpUsMakeSomeGoals',
'FutureScientistsinthemaking!', 'AmazingArtIntegration', 'WholeBrainClassroomSetup',
'Organization=Success', 'ChromebookChallenge=TechnologyintheClassroom!', 'Love2Move!!!',
'HopingforHeadphones', '"Lovelooksnotwiththeeyes', 'butwiththemind...\\n"',
'Justafewmoresuppliesneeded!', 'SprintingSuccess!', 'FundamentalsforaStrongFoundation',
'PosterSuppliesforMathClass', 'Listeningwhilefindingtheirownspace!',
'StorageforProjectsandDigitalClasswork', 'Bringingthe13Coloniesto21stCenturyAmerica!',
'PleaseHelp!KeepKidsWarmthisWinterwithJackets!', 'ProvidingExperiencesThroughLiterature',
'SafeSpottoWiggleandLearn', 'MakingEveryDayatSchoolCount', 'FitnessStationtoTARGETActivity!', 'Ene
rgyEfficiencyatEnvironmentalStudies', 'ToolsToHelpWigglesGoAway!', 'EARTH FRIENDLY FUN!!!',
'FindingOurFocus', 'ReadersFlourishWithFlexibleSeating', 'Low-IncomeTeenBoysinNeedofNewSocks', 'If
TheyCanImagineIt', 'TheyCanBuildIt!', 'AlgebraRockets', 'WanttoKnowtheTruth?ReadAllAboutScience',
'WobbleWobble!', 'ComputersforKiwacka'sKids', 'MathAllAboutIt.', 'MoreBooks!',
'Focused_PassionateReaders', 'BringingTechnologytoYou', 'MovementFeedstheMind',
'YoungAuthorsatWorkinNeedofTechnology', 'SensorySand_PencilSharpener!',
'SpecialStudentsSeekingFunSensoryActivities!', 'MarvelousMATHUsingDaily3!!!', 'TechnoKids!',
'Let'slearnfullSTEAMahead!', 'Set...Let'sLearnEnglish!', 'ReferenceMaterialsForLearning',
'Headphones...thePerfectEscape!', 'PopArtistsDesiretoExpressTheirIngenuityThroughArt.',
'CountryRoadsPavedWithTechnology', 'WhisperPhonesforReading', 'PenisMightertthantheTeacher!',
'BouncyBandsforMotivation', 'Shh!IamTryingtoConcentrate!', 'BlendedandPersonalizedLearning',
'Lowtech=Bigcommunication!', 'IndependentWorkers\\r\\nWorkingHere!', 'BuildingaClassroomLibrary',
'OrganizedandManipulatingforMastery!', 'StandingRoomOnly!', 'KindersNeediPads',
'ChromebooksforClassroomCenters', 'WobbleStoolsforEngagingLearners',
'AQuesttoRiseAboveandLearnfromCuriosity', 'Welovetechnology!', 'WiggleWobbleWritingStation',
'BuildingS.T.E.A.M.ForCreationStation', 'Friendship', 'BetrayalandExtinction',
'AnotherNormalDayinaDystopia.', '3DPrintertoCreateourownCups.', 'iReadandiWriteWithiPads',
'HavingFunWithScience!!!', 'KindergartenProgrammers',
'Wanted:AlternativeSeating!HelpusTransformourLearningEnvironent!',
'InquiryandDiscoveryThroughTechnology', 'IowaStateSwag', 'NoMoreNonReusableWaterBottles',
'AColorfulEnvironmentMakesColorfulMinds!', 'RunningFor\\nGOAL\\n"', 'InteractiveStudents',
'CuttingUpintheArtRoom!', 'BilingualBooks:CreatingABridgeBetweenLanguages',
'DifferentiatingmyInstructionalEnvironmenttoProvideMoreAccess', 'SnugasaBuginaRug!',
'We'reBeingFlexible!NewSeatingforaFlexibleSeatingClassroom.', 'LetThemREAD!', 'ReadytoRead!',
'BreaktheGermCycle', 'Technologyforthe21stCenturyChoralClassroom',
'PromotingResearchintheClassroom!', 'HeadphonesHelpingtoConnect', 'FlexibleSeatingforActive', 'Eng
agedLearners', 'HelpbringPLAYintomyclassroom.',
'GraphicNovelSets:SupportingEnglishLanguageLearners_StrugglingReaders-#3', 'Technologyforaclass',
'thatislacking!', 'KindergartensinNeedofBasicLearningTools', 'IfIOnlyHadaBrain...',
'MathGamesforMathBrains', 'DocumentIt!', 'EngagingPreschoolerstoREADandWRITE!',
'StimulateandFittotheCore!', 'MoveYourBody', 'GrowYourBrain', 'Writing', 'andMathOhMy!',
'Welcome!TakeaSeat', 'MotivatingMovement', 'Wobble...NoMore!NewDesksNeeded!', 'FunwithFractions!',
'A', 'Bee', 'C'sofWorkingTogethertoLearn', 'GettingPluggedIn', 'WritingWizardsWithanAttitude!!!',
'BringingFieldTriptoMyStudents', 'ArtBenefit', '21STCenturyTechnologytoExploreSTEM',
'Withanewbook...Wecanreadinanook!!!', 'Bringstoriesandbooksalivethroughtechnology!',
'WhiteBoardstoWelcomeWrittenResponses', 'Personalizedi-LearningwithClassroomTablets',
'3DPrinter:ImaginationCometoLife', 'WarmBedsforTiredKids',
'KindleTabletsforTechnologyIntegration', 'IndoorRecessGames', 'TinyHandsNeedTechnologyToo',
'PaliProductionNeedsaMobileCameraKit', 'ChromebooksforIntegration',
'CreativeInnovationandEngineeringwithLEGOConstruction', 'Sculpting\\nSTEAM\\nReaders',
'LearningWithLiteratureSets', 'MakingMathFUN!', 'Doyou\\nget\\nit?',
'BringingtheClassroomtotheOutdoors!', 'FlexibleSeating#2',
'AHandsonApproachtoOurBodiesInterconnectingSystems', 'FineMotorControlIsHandy!\\r\\n',
'I'mInMyAreaToLearn', 'MakingMathandScienceClick!BrickbyBrick',
'StudentLedDigitalPortfolios+ListeningCenter', '19KidsandCounting', 'WeNeedDiverseBooks',
'HelpUsStarttheSchoolYearOrganizedwithChairPockets!', 'Nonfiction',
'BiographiesandHistoricalInformationalBooks', 'BooksandMoreBooks!',
'Nabi'sforthe21stCenturyLearner', 'TantalizingTextstoTeachUs', 'makingofthenextMASTER...',
'iLearnWithiPads!', 'Stepintothe21stCenturyw/Chromebooksinourclass!',
'PuttheTinSTEAMformyDeservingKindergartners!', 'EssentiallyHealthly',
'HoppingAround2ndGradewithHokkiStools', 'PhoningInForGoodGrades', 'Manipulative'sforMind',
'RebuildingOurNormal', 'LearningLifeSciencebyGettingOurHandsDirty!', 'APlaceforOurStuff',
'FortheLoveofBooks', 'StartCounting', 'ReadingWorkshopNeedsBooksForSuccess!', 'WeWanttoRemember!',
'Gather'RoundtheTable!', 'ScientistsatWorkNeedMaterials', 'ArtandTechnologyUnite', 'Discipline', 'R
espect', 'andUnitythroughMusic-BucketCrewNeedsYou', '21stcenturysensoryclassroom',
'TechnologyforTeens:ImproveWriting', 'Research', 'andReal-WorldSkills',
'WELARNBETTERIFWEAREORGANIZE!!!', 'ToolsforWarriors', 'WrestlingEquipmentforaChampionshipTeam', 'S
choolSpiritisNeverOverrated!', 'CleanAsCanBe', 'GettingChoiceandComfortintheReadingClassroom!', 'V
italVocabularyfortheWin!', 'DancingOurWaytoHealthyChoices', 'LookingIntoLearning',
'ComputerProgrammingforaBetterLife', 'ListenToMyLearning', 'CaughtBeingGood!',
'HelpProvideStructureandLeadershipforInner-CityStudentsThroughBasketball!', 'Living?
Iwanttoproveplantsandanimalsarealive.', 'Wondering?WhytheSkyisBlue?\\r\\nYouneedtoresearch!!!', 'T
eachingOurFutureEngineers!', 'FromCrazytoCrafty!', 'EnvironmentalScience:EarthDayProject',

"Let'sGetComfy!", 'MovementandBrainBreaks', 'JusttheEssentials', '3rdGradeHands-OnMathandScience',
 'BringingRichLiteratureandLoveofReadingtoFreshmen', '21stCenturyReaders',
 'LevelAppropriateLibraryfor1stGraders!!', 'TeachingTechnology',
 'IdeasCreateIdeas.HelpUsKeepTrackofThem!', 'LiteracyLounge', 'BikingOurWaytoPeakRunningFitness!',
 'SewingOurWayIntoSuccess:ExplorationofTraumaandSurgery', 'NoMoreStressOver4thGradeDesks',
 'BuzzingAboutBeeBots!', 'ListenUpCloselyforELAandMath', 'SuperSensory!', 'Blocks_Manipulatives', 'M
 ovingWithTechnology', 'WithZenenergyBallswecan...movewhilelearning!', 'WOBBLEINTOSMALLGROUP!',
 'AmplifyingMusic', 'ImaginationCreationStation', 'OrganizationandLearning',
 '\\\"AllAboutMe\\\"ProjectforPreschoolers!', 'LaptopLiteracyLearners', 'Weloveschoolsupplies',
 'FlexibleSeatinginKindergarten', 'RatherBeReading!', 'DPTheatreHereWeCome!',
 'EagerlyAnticipatingIndependentReadingTime', 'StandingOptionsforEnergeticLearners',
 'ExploringintheClassroom', 'BooksSetsforStrugglingReaders', 'WonderfulWritersWorkWithWords',
 'NovelSetsforRestlessReaders!', 'LearningThroughAgency', 'AUniqueComputerSupportedScienceProject',
 'FromCreationtoFruition', 'FlexibleSeatingforFiveYearOlds', 'TechnologyforThirdGraders!!!!',
 "Let'sChargeOurTechnology!", 'BoundlessLearningforBouncyKiddos', 'AMagicCarpetForLearning',
 'BookTribeBookClubs', 'SeeingClearly', 'OutdoorEducation-SustainableGardeningtoStreams05/03/16', "
 Let'sPlay:DramaticPlayinPreschool", 'FancyFingersFineMotorKits',
 'FlexibleSeatingForStudentEngagement!', 'LotsofLoveforOurClass!!!!',
 'ActiveSeatingforEnjoyableMathematicsIntervention', 'ICanListenandRead!',
 'KeepingMyLITTLESinMotion', 'ChromeClassroomTakesaCommunity', 'Technologytoolsforsuccess!',
 'CommunityMatters', 'MovingwithHokkiStools', 'MakingIndoorRecessFun!', 'WiggleWhileWeWork-
 WithBouncyBands!', 'StudentInspired:AnIpadTodayKeepsLiteracyatBay!',
 'OrganizationMakesforBetterLearning!', 'WorkingTogether', 'ACHillEnvironment',
 'RelivingtheRevolutionandAnimatingColonialAmerica', 'PlayisanEssentialPartofChildhood.',
 'TenFrames!', 'FortheAdvancementofmyStudents!!!!', 'Basics!', 'LifeLessonsWithTechnology',
 'ClosingtheDigitalDivide', 'NewNeedsforourNewYear',
 'SeekingInnovativeVideoPresentationTechnology', 'CollaborativeLearningTable', "Let'sGetWobbly!", '
 FindingthePerfectPiecetothePuzzle', 'OneandOnlyIvan!\\r\\nBuildingaRitualofReading',
 "Gordon'sFlexibleFirstGradeClassroom", 'FutureCyberSecurityNinjas',
 'AddingtoOurTODDallyPARRfectLibrary!',
 'CityofEmber:IlluminatingMindsThroughLiteratureCircleDiscussions', '"READ...
 Readers'EyesAlwaysDiscover"', 'HandsOnScience', 'ReedsSoWeCanRead',
 'EducationalResourcesforMs.McCoy'sClass', '21stCenturyLearningWithChromebooks!', 'Boxitup!',
 'FlexibleSeatingIna4thGradeClassroom', 'DragonsROARforMakerspace', 'CODING=SUPERPOWERS!',
 'TodayAReader...TomorrowALeader!', 'BringingTechnologytoSpecialNeedsStudents.', 'Words',
 'wordseverywhere!Weneedtolearnourwords.', 'OntheRoadtoAmazing:AJournalismQuest',
 'iPadsforLittleLearners', 'MediaLiteracy:ACriticalInquiryofCommercialAdvertising',
 "TechnologyforMs.Thomas'TerrificTeenagers:ChromebooksforaClassroom",
 'FirstGradersMaking_EatingHealthyFood', 'BookBuddiesNeedBooks!',
 'BringingLearningHomeThroughBilingualBooks', 'andCriticalThinking',
 'AlternativeSeatingforOurFabulousFirsties',
 'TechnologyneededtoSupportSTEMinAdultModerate/SevereClassroom',
 'AlphabetSoupfortheKindergartenSoul!', 'StepRightUp_WinaPrize!', 'FeelingFlexible???',
 'ReadingBeyondtheTextbook', 'SpeechandLanguageTherapyMaterials', 'Run', 'Girls', 'Run!',
 'STEMMaglevCares', "STEMinDISTRESSNeedTechCan'tRest", 'EasyShoppingForBooksJustRightForMe!',
 'TechnologyWorld;HereWeCome!', "You'reOnlyasGoodasYourReed!", 'BindingSuppliesforNewWriters', 'Fut
 ureMechanicalEngineersNeedTechnology', 'BouncingtoLearn;AdaptiveSeatingforASD',
 'HealthyStrongBodies=HealthyStrongMinds', 'WeNeedAComfortableHomeAwayFromHome',
 'GrowingaBandProgramThroughProperEquipment', 'Chromesfor21stCenturyLearning',
 'PowerofMovementandLearning', 'TechiesinTransit', 'ChessClubatCrockettHighSchool',
 'DoingtheHokkiinFourth!', 'Tablefor30', 'PlayingtoLearnandLearningtoPlay',
 'APictureisWorthaThousandWords.', 'ReadToSucceed!!!!', 'SuppliesforMySTEMclassroom!',
 'LearningForAll', 'ArthurMillerCulminatingProject', 'ChoicesforKids',
 'KindergartenListeningCenter', 'FromBuildingBlockstoBuildingEngineers!',
 'Helping3rdGradersBecomeLifelongReadersandLearners', 'HelpUsSTEMintoLearning!',
 "It'sOnlyKidsplay!", 'RelaxingTeenYoga', 'BooksForBookLovers!', 'Technology=21CenturyLearners.', '
 UsingTechnologytoEnhanceSchoolCounselingProgram', 'EngineeringandMathareFun!',
 'FamiliarFavoriteBooksAreFun!', 'Parlez-vousFrançais?ChromebooksForCommunication',
 'Snap!WeneedaPhotoPrinter!', 'LearningThroughMathActivities!', 'HighTechFirsties',
 'ColorfulCloseReading!', 'IntegratedSciencePhysicsExperimentLab',
 "Let'sStickTogether!AProjecttoKeepOurNotebooksNeat.", 'LightUpMyWorld!',
 'ImaginethePossibilities!', 'Techfor1', 'TechforAll!', 'Dash_DotFullSTEAMAhead!',
 'iPadsforReaders!', 'BouncetoBetterLearning!', 'EngagingMinds', 'TransformingLives',
 'MathManipulativesforMagnificentMinds', 'CanYouHearMeNow?\\r\\n\\n', 'WhyDoYouLoveToRead?', 'Twirl',
 'Rock', 'SqueezeandHug!\\r\\n\\nSensorySensations', 'SmallScholarsNeediPadPro',
 'Gamesarethebestwaytolearnmathematics!', '\\\"TheBasicFundamentalsofReading\\\"',
 'StudentsLoveCurrentEvents!', 'AlternativeseatinginMissHuffman's4thgradeClass',
 'WobbleintheClassroom!', 'MakingReadingInteractiveandFunwithTechnology!',
 'LearningisyourwindowtoawholenewWORLD!', 'SaveMyClassroom!', 'CreatingaRoboticsClubtoStayActive',
 'AuthorStudiesBuildtheLoveofReading!', 'AnActiveBodyisAnActiveBrain', 'IEPEssentials',
 'ColorItBright', 'ChromebooksHelpingStudentsShine', 'ChromebooksforYoungLearners',
 'EssentialSuppliesforKindergarten', 'YogatoSuccess', 'IgnitingtheFireforReading',
 "IT'SLIKERIDINGABIKE!MusicLiteracythroughmusclememory", 'CleansurfacesandWatercolorArt',
 'ItisTIMETocollectdata:Stopwatchesinlabs.', 'TechnologyRocks!',
 'AuthenticArtificialSelectionandAquaponicSustainableAgriculture...GoLikePB_J.',
 'TryingToMakeMyYoungSectionPOPPING!!!!', 'Chomebooksforallstudents!', 'TechnologytoEngageStudents',

'ComputerScienceforSaints', 'BirdsandButterflies', 'WhataSurprisefortheEyes',
 'FibersofHope:KnitandCrochetforCharity', 'Talktome!Ipadshelpnonverbalstudentscommunicate!',
 'BucketFillingWithLiteracyandArtChapter2', 'HarryPotterBooksforAfterSchoolClub',
 'TeachingSTEMThroughTechnology', 'OurPENholdsPowertoMakeUsSuperMathematicians!', 'Hearmystory', 'StrivingToBeScientificThinkers:Exploratory', 'LearninginColor!', 'FitMeChallenge',
 'SmallGroupLearning!', 'WobbleChairsforClassroomMovementPart2', 'WeLOVEBooks!',
 'BlastOffWithSTEMinPreK!', 'EngagingParents...OnePictureataTime!', 'CuttingEdgeScience',
 'artofDebateenhancedbytechnology.', 'BuildingOurReadingLives!', 'High-InterestBooksforHardtoReachHighSchoolers!', 'Kick-StartingaSoccerProgramforTomorrow'sMessis', 'Ronaldos', 'andSolos!', 'FinancialLiteracyforMyStudents',
 'EasingIntoaNewSchoolYearwithanEasel!\r\n', 'SeeingColorinGasandSolids', 'HelpUsGrowOurBrain!',
 "Superhero'sNeedSuppliesToo!", "Ollie'sGreenGarden", 'JourneysYouCanGoOnWhenReadingABook!',
 'ManipulativesforMathematicians!', 'ArtSuppliesforDeservingArtists!', 'GlobalReadAloud\r\n', '4thGradeEnvironmentalScience-LearningandWriting!', 'CookingKindersintheClassroomKitchen',
 '\\"BuildingLifeLongReaders\\"', "SummerReadin'", 'HavingaBlaaaast!', 'PlayingtoLearn',
 'Creative\\"App\\"titude!IpadfortheArtRoom!', 'FlexibleFocusedLearning',
 'Helpusorganizeourlibrary!', 'AnAppleaDay...', 'OurDiversityIncludesMe!', 'HereWeGrow!',
 'OsmointheClassroom', 'Teacher', 'ILearnBestWhenIStand!', 'MindMeltinginMichigan',
 'LuckyLiteracyLearners', 'AnApplefortheStudents', 'HearYe', 'HearYe!ReadAllAboutIt!!',
 'HelptoBringTechnologyIntotheHandsof2ndGraders', 'ReadingCornerforaTKClassroom',
 'CreativityandCollaboration.', 'WhoNeedsSupplies...WeDo!',
 "HowScaredWouldYouBeifYouDidn'tSpeakEnglish?", 'PowerofPedals', 'Changethechairs',
 'scraptraditionalseats', 'helpourwiggles', 'BuildingamoreINCLUSIVEclassroomthroughTECHNOLOGY.', 'CarpetComfortDuringWholeGroup', 'FlexibleSeatingforaStudent-CenteredClassroom',
 'SavePaperwithNewiPads', '4thGRADECIVILRIGHTSUNITPROJECT', 'iCaniPad!', 'iNeedtoOrganizeOuriPads-Again!\r\n', 'MaterialsforGrowth', 'EradicatingReluctantReaders',
 'StartingYearReadingChapterBooks', 'CreativeMovementforAll',
 'Horseshoe:BestDesigntoShapeLittleMinds!', 'ConnectingOurClassroomCommunitytoParents!',
 'LearningThroughListening', 'NewStuff!\r\nWeneedmoresupplies', 'please!', 'Learningtobeasafe', 'ConfidentBikeRider', 'WEWANTTO\\"CHOOSEKIND\\"ALLYEARLONG!',
 'StabilityBallChairsImproveFocusandStrengthenCoreMuscles!', 'RugfortheRascals!',
 'CaterpillarCrawlCraze', 'STEMMaterials_FlexibleSeatingOptionstoMakeLearningFun!', 'Wriggle',
 'LEARN!', 'AccessorizingTechnology', 'BasicSuppliesforExtraordinary', 'butHOTMauiStudents\r\n',
 'CompanyOfAGoodBook\r\nInYourReadingNook!', 'ACOLORPRINTERWILLBRIGHTENUPOURWORLD',
 '\\"Game\\"Changer', 'RosesAreRed', 'VioletsAreBlue!', 'TabletTechnology',
 'FocusNotesforBetterMathematicians', 'CodingWithKindles',
 'OurFavoriteBooksDeserveToBeDisplayed!!!', 'LibraryandListeningCenter',
 'AFTERSCHOOLDODGEBALLLEAGUE', 'InteractiveScienceNotebooks',
 'EnglishLanguageLearnersneedliterature!', 'FlexibleSeatingforAddedFocus!',
 'CommunityHelpersinNEED', 'MalletMadnessIsTakingOver!', 'MovingandGroovingtheKindergartenWay', 'NewClassroomLibraryNeeded', 'FlashCardsforFamilyInvolvement', 'OnTargetwithStayingActive', 'Down', 'Hike!EastwayCo-EdFlagFootball:SportsMatter', 'BookBinsforMyBookworms!',
 "Don'tLetAnythingDullYourChrome", 'STEAMingUptheClassroom!', 'InvolveUsMoreandWeWillLearnMore!!!',
 '3..2..1', '1..2..3', 'EducationistheKey', 'HumansofBrooklyn', 'BookstoInspireaLoveforReading', 'EyyecandyintheClassroom', 'HokkiStoolsforFlexibleSeating!', 'FieldDayFun', 'AStudent-AppropriateHolocaustResourcefortheClassroom', 'iPadChargingStation', 'Miracle-GroForBrains',
 'GrowingPainsFindSomeMuchNeeded\\"Seat\\"Relief!', 'RulesandMockingbird', 'Let'sRead!',
 'StellarSuppliesforStarStudents!', 'HelpLittleLearnerswithaNewSetofClassroomChairs',
 'ReadingIsn'tintheFunnies', 'ButComicsMakeItFun!', 'NeededSuppliesforStudentsinNeed',
 '\\"Targeting\\"OurIndoorWorkouts!', 'BridgeSummerWithLearning', 'FreshenItUp',
 'TechnologyOrganizationandPeace', 'MakingHealthyFUN!', 'CopyCats', 'SensorySeatingOpportunities',
 'GeneticsandMulticulturalism-aStatisticalAnalysis.', 'SuppliesforSuccessinSecondGrade',
 'GettingTechieinFirstGrade', 'Chromebooks:Enhancinglearning_funinallsubjectsareas.',
 'SteadyStoolsforActiveLearning', 'KindergartenStudentsDeserveQualityBooksandaVibrantRug',
 'ListentoUnderstand!', 'iPadstoIgniteLearning', 'TabletsForLearning', 'GoP.E.!',
 'MakingLearningFun!', 'EmpowermentThroughSilkScreenDesignedTeeShirts!', 'Let'sPlayTogether!', 'CodeWithUsSIMS', 'Camara', 'Action!!WeNeedaCamara!!PleaseHelpUs!!!', 'HELPusLEAPintoLEARNING!',
 'ReadingMaterialsforDeservingStudents', 'CalculatorsforSolvingReal-WorldChemistryProblems',
 'ColorLaserjetPrinterforasmall', 'poorruralschool', 'MovementintheClassroom',
 'MeansMovementOutsidetheClassroom', 'LemonySnicket's!ReadingIsFun!',
 'FlexibleSeatingBecomesaReality', 'ColorfulClassroomManagement', 'DissectionKits_Microscopes', "RonaldDahl?Who'sThat?", '5thgradeMathlovers', 'StandingtoLearnandFocus!', 'Welovetoread!!!',
 'AnxietyandPanicDisordersAmongTeens:ADocumentary', 'CreationStation!',
 'FabulousFlexibleSeatingEnvironment', 'FlippedLearningClassroom_VideoMaking-ELA',
 'CollegeDecisionDay', "Movin' Grovin'toEnhanceOurMinds", 'EquippingourScoreboard!',
 'ClassroomGardenforHealthyEating', 'CharacterCrewPuppetClub',
 'ClickHere:ComputersforIndividualizedLearning', 'It'sMoreThanJustaChair!', 'MotivationtoLearn!', 'CatchingtheSuninGlass', 'QuillYouGiveUsInk?', 'TechnologyforEnglishLanguageLearners',
 'FirstGradeTechies', 'FidgetsforSuccess', 'STEAMingAhead...littleBitsataTime!', 'LittlePeople', 'BigImaginations!', "OneBookCanChangeAChild'sLife", 'RuralTech', "Kid-InspiredLearnin'ThroughMovin'", "Groovin'andRunnin'", 'PopGoestheArtist',
 'TouchScreenTechnologyfortheClassroom', 'WorkHard', 'PlayHard!', 'LiteratureCircles!',
 'NavigatingNativeAmericanFolkloreinThirdGrade', 'LettheCreativityBegin', 'STEMSavetheDay!!!',
 'LearningattheIntersectionofLiteracy', 'ArtandSTEM',
 'PricelessMasterpiecesNeedPeacefulDryingSpace', 'ShowMeDatawiththeiPad:Today'sPencil_Paper',
 'MagazineMayhem!', 'KidsNeedsBooks!!!!!!', 'ChapterBooksforGrowingReaders',
 'HealthvBodies=HealthvMinds', 'SuppliesforFutureMarketers', 'BigBrainBenefits',

'BuildingSuccessfulWriters', 'HelpMyStudentsPracticeCorrectPosture', 'InspireCreativeExpression',
 'MerrilyWeRollAlong!', 'SpaceShouldNotBetheLimitingFactorforSuccess.',
 'HelpUsBuildOurClassroomLibrary!', 'Movin'andLearnin'',
 'FillOurLibraryWithDiverseBookCharacters!', 'Wibbly', 'Wobbly', 'Wiggly3rdGraders!',
 'ReadingRug!', 'ProgrammingandProblemSolvinginaExcitingWay!', 'Abc'sand123's',
 'NewSchoolSuppliesforDeservingStudents!', 'Pleasehelpourprogram!!!!!!!!!!!!!!!!!!!!',
 'WobbleWobbleWhileWeWork!', 'FlexibleSeatingforFlexibleMinds', 'MakingMathFun',
 'BacktoSchoolSupplies!', 'NeatSeatsareGreat!', 'WeWanttobringourCertificatesHome!',
 'FabulousFirstiesNeedStorageforLaptops!', 'WelcomingHelp', 'FundOurFidgetFriendlyClassroom',
 'ListeningEarsandStorageStation!', 'Encouragingstudentstolovereading',
 'MakeOurMariachiBandMagnificent!', 'EngagingLearnerswithWobbleChiars',
 'IncreaseReadingwithTOONGraphics', 'FlexibleSeatingPromotesHealthyHabits!',
 'LearningAboutNatureThroughCoding', 'Ready?Set....READ!!!!', 'MakeyMakeyfortheMakerspace!',
 'thePlacesYou'llGo!!\r\nExploringYourFutureCareer', 'HelpUsJourneytoAncientEgypt!',
 'ProtectandPractice', 'WeWantToWiggleWhileWeWork!', 'LetsGoonaMagicCarpetRide',
 'HelpMeHelpSmallTownKidsLearnThroughTechnology', 'Inhale....Exhale',
 'KeepingtheWigglesandRestlessnessatBay', 'ArtSuppliesforPreschoolersWithSpecialNeeds',
 'KindergartenCreations', 'HealthyandCleanKeepsUsinSchoolReadytoLearn.',
 'LastMinuteMusicalProductionNeeds!', 'DifferentiatingWithTechnology', 'TabletsforTECHNOLOGY!', 'Wo
 rldWeSee', 'EveryoneNeedsaSpace!', 'HelpUsBringStoriesToLife!!!!', 'Let'sGetOrganized!',
 'WeNeed\\"Post-itNotes\\"forOurInteractiveBulletinBoard', 'ServingCommunity', 'School',
 'andCountry!!', 'STEAMCircuitBugsandSTEAMCircuitCards', 'WobbleKidsWobble',
 'Acommunitythatlearnstogether...PLANTStogether!', 'Re-BuildingtheBasics',
 'Caution:StudentsHardatWork', 'MakingReadingMeaningful', 'SensoryArea',
 'ClassinNeedofMicrophoneEarphonesandChromeBooks!', 'StorageforSuccessfulStudents',
 'UnmannedAerialSystems(Drones)', 'StudentCenteredClassroomIncreasesStudentEngagement',
 'StorageWars!', 'ArtofSpelling', 'HelpusRECORDourmusic!', 'CraftyKindersRock!',
 'Let'sMove!FlexibleSeating', 'MakingLearningFuninFirstGrade', 'HealthandFitnessinClassroom',
 'TechnologyforResearchProjects_BlendedLearning!', 'SavvyTechnologyforourFutureLeaders',
 'NooksandBooks:BroadenOurWorldwithLiterature!', 'iPad-MiniFreeLibrary',
 'ChromebookstoSupportGiftedLearners', 'RunBecauseItDoesn'tMakeSence', 'MathGamestohelpusLearn', 'A
 CaseADayKeepsScratchesAway!', 'PlantedFidgeters',
 'AnInvitingClassroomLibrarytoAttainReadingAchievement!', 'project05/13/16',
 'CreatingSuperSingers!', 'GroupInstructionTableforAutismClassroom', 'TabletsforToday!',
 'AnElectronCloud?Sure', 'IGetIt!', 'GreenSpaceMaintenance',
 'EnticingandEnhancingEducationalEndeavors!', 'Pre-KFieldDayTeam',
 'HelpPutBackpacksOntheBacksofStudents', 'OralLanguageDevelopmentthroughtheuseofpuppetry!',
 'SweetSeats!', 'CreativeBuildinginFirst!!!', 'ClayforCeramicsClass', 'ResourcesforOurResourceRoom',
 'GardeningSuppliesForGreenerThumbs', 'OurSkillsAreonFire',
 'InformationalTextstoInspireGrowthandExploration!', 'BringingYogaandMindfulnessstotheBronx!',
 'TablesandChairsandRugs', 'PleaseBeSeated!', 'Water', 'It'sEssential',
 'StrengtheningOurCoreMusclesWithKoreWobbleChairs!',
 'EmpoweringStudentsThroughArt:\\"Glass\\"PanelPoetryBooks', 'emPRINTINGyoungminds\r\n\r\n',
 'TechnologyatHome', 'ArtandMathSTEAMConnections', 'BouncyBands', 'MagneticSTEMDesigns',
 'InteractiveInstruction', 'LegoLearning', 'WinterisComing!WarmRugsNeeded!',
 'BouncingIntoFocus:BouncyBandsandBalanceBalls(Title1)', 'GettingExcitedtoRead!',
 'LEARNINGINVIRTUALWORLDS', 'L'EGOMyLEGO05/03/16", 'ShredIt-STARWay',
 'ReadingandCurrentEventsCollide', 'RealLivesofStudentsinWatts', 'HornetHiveFlashdriveProject2016',
 'Allofmynotesinoneplace!', 'ConstructionPaper!', 'HelpStudentsWithCancerCreateArtProjectsInMath',
 'Technology:ImpactingLivesOneClickataTime', 'MovingAwayFromEurocentricHistory-EmbracingDiversity',
 'Flexiblelearningcallsforflexibleseating',
 'TherapeuticWeightedLapPads:ASensoryLearningToolforStudents', 'CountingUp_SoundingOut',
 'MakeYourOwnWorksofArt!', 'Let'sMeetandMake10!',
 'EffectiveReadingAreaforSeverelyHandicappedStudents', 'It'sQuality', 'NotQuantity', 'STEMItUp!', "
 It'sTIMetobeJournalists", 'FullSTEAMAhead:BoomwhackersTapIntoMusicandScience!',
 'LibraryforEmergingReaders', 'Kids4Chrome', 'BoogieBoards', 'HotforLearningwithKINDLEFIRES!',
 'WeFeeltheNeedtoRead!', 'HelpCLAKickstartbasketball!', 'MindsonMath', 'OneComfyClassroom',
 'AlternativeSeatingParadise', 'WriteOn!', 'PhysicalEducationEquipment', 'TabletsontotheLoose!', 'Psy
 chedaboutSTEM', 'TechnologyIsMusicctoOurEars', 'WobbleIntoWonders!', 'ReadingandPracticeforAll!', '
 HelpUsBeBalancingFitYogis!', 'ActiveLearnersforLife', 'GameOn@theLibrary',
 'SeatingForTabletStation!', 'CozyReadersareLifelongReaders!', 'CrackingtheCodewithRobotics',
 'OSMOFun!', 'Let'sPrintSomeKnowledge', 'FeelLandExploreScience', 'Pre-KWantstobeCREATIVE!!!',
 'TableTime!Let'sCollaborate!', 'ReadAllAboutIt!\r\n\r\nScholasticMagazines', 'Readytoread-
 thebooksareallweneed!', 'Welovetoread!', 'KindergartenTechies', 'ComfortableReading!',
 'WritingRightforToday'sStudents', 'WriteonIntoReading',
 'QualityRecordingEquipmentforaQualityBand!', 'ActiveBrains-Part2', 'NoMoreReadingLikeaRobot', 'STE
 M:PlantingEducationalSeedsThroughTechnology', 'TellingTimeandCountingMoney',
 'Ineed\\"FreddieFrog\\"inmyclassroom!', 'BasicsforExtraordinaryMathNight',
 'TechnologyinKindergarten', 'ThereandBackAgain', 'OurLearningCanShineWithChrome',
 'FlexibleSeatingLeadstoFlexibleThinking', 'ABountyofFantasticBooks!', 'StoptheNoise!',
 'AddingToClassroom\\"ToolBelts\\"', 'Fast-PitchingSoftballGirlsExcelonandOfftheField!',
 'InstrumentsfortheBand', '20/20VisionwithELMO',
 'ResearchandTechnologySkillsforour21stCenturyCareerWorld!', 'MovingandGroovingwithRobots!',
 'WEWANTTOSEETHEWORLD', 'HelpStudentsTakeInitiativeinGettingandOrganizingTheirWork!',
 'EngaginginLiteracyWhileInvestigatingCrime', 'CozyUpandLearn!', 'Stand',
 'andBounceOurWaytoLearning!', 'MotivatedReaders', 'S.T.E.M.-SoThatEveryonelovesMath',
 'ClassroomCodingWithRobots'. 'SciencePartnerReadersandLearners'. 'Wow!Techno!advinPE?How?!!'.

'ImaginationStation!', 'LimitlessGrowthwithIndividualizedCurriculum', 'StudentsWillLOVEOsmoKit!',
'EngagingReadersWithStrong_InterestingCharacters', 'CauseandEffect:WhatWillHappen?',
'FlexibleSeatingforDiverseLearners', 'PercussionInstrumentsforMusicExperience',
'TargetSchoolSuccessWithHealthyDeskCycleExerciseBikes!', 'KindersLovetoRead!',
'SuppliesForMySuperStars', 'DevelopingFineMotorSkillsforPre-KStudents', 'MathinLiterature',
'NoMoreMathTextbooks!', 'BellsandRowingtoaHealthyLifestyle', 'GROWINGtoLoveScience!',
'Oedipus:theKingofMyClassroom', 'SportsBrastoBuildGirls'Confidence!', 'LaptoptoEnhanceLearning',
ConfidentSpellers=ConfidentWriters', 'ExploringScienceThroughtheVirtualWorld',
'FidgetsforEngagement', 'UsingMICROscopestoetheBIGpicture!', 'FlexibleSeatingfortheClassroom',
FlexibleSeatingtoAccommodateDifferentLearningStylesinFirstGrade!', 'ManipulativesToHelpUsLearn!',
'BookstoInspire', 'ComputersforDifferentiation', 'CREATE', 'EDITandPRINT!',
'LifeinArt:StudentMosaics', 'PhysicallyFitFirstGradersFocusedonLearning',
'FlexingourBrainswithaFlexibleLearningSpace', 'TrialAndError', 'IsErrorAndTrial!',
'ALookIntoOurWorld', 'CreativeLearningWithaCricut!',
'TeacherUntethered:ATrueArtTechnologySolution', 'WeavingwithaPurpose', 'TestwiththeBest!',
'HouroftheBees:NiftyNovelStudies!', 'DiveintoanExcitingAdventure',
'ElevatingtheLearnerExperienceInNewWays', 'OrganizationandReuseofMaterials',
'ScienceInquiryandLiteracyComeAliveTroughTechnology', 'EngagingPre-
KFamilies:SuccessinSchoolStartsatHome', 'AutismRockingtheScienceFair',
'DocumentCamerafortheKindergartenClassroom!!', 'NicholsCommunityGarden', 'Ma', 'nowires!',
'PrintPerfection', 'WatchMePlay', 'NowWatchMeRead!', 'JournalMeGreat!', 'WeLovetoRead!',
'CodingCentral:PreparingforourFuture.', '\\r\\n\\r\\n\\r\\n\\r\\n\\r\\nBringontheSTEAMData',
'EnvironmentalSciencein3D', 'ReadItAgain!BuildingPassionforReadingviaListeningCenters',
'VisualSupportttoMaximizeLearning!', 'StandingUpWhenSittingStillJustWon'tWork', 'FlexibleBodies',
FlexibleMinds', 'LivingOrganismsExploration!',
'FabulousFirstGradersNeedResourcesforOurTechnologyStation', 'DesignItandTheyWillCome',
'BookNookFlip', 'AnInaugurationEducation', 'Kindergarten+MiniIPads=\\r\\n\\nEnormousSuccess',
'ChartPaperforStudentIdeas', 'iPadsforMs.Julie's\\r\\n\\nGroovyClass', 'CoreforKindergarten',
'SeeingtheWorldThroughaScientist'sLens', 'FutureProjections', 'Research:WonderWednesday's',
'ReadersAreLeaders!', 'EnergeticKindergartenersInNeedOfWiggleSeats', 'ThinkingOutsidetheBox!',
'EssentialsforSchool.', 'StrivingforSuccess!', 'Wiggle+Science=Win!', '\\\"Homes\\\"forOurBooks', '1
stGradeScholarsAreApplesOfMyiPads.', 'StEMClassneedsnewTforreading!',
'UsingGoogleSlidestoSlideIntotheMediaFestival', 'LittleHandsThatCould!', 'Let'sPublishStories', 'L
earningtotakecareofourselves', 'DaybyDay!', 'CoreBodyLearners',
'ComfortableandConfidenttoReachtheCurriculum!', 'ExploringMath',
'ChromebookstoSupportBilingualStudentsin5thGrade!', 'MaterialsMakeFirstDayJittersGoAway',
'Relaxjustdoit!', 'ThesaurusesforEnhancedWriting', 'ASpecialTouchforSpecialNeeds',
'BareNecessities', 'ATechSavvyClassroom', 'HelpUsBuyChromebooks!',
'Togetherwecangetkidsbuildingwords!!!', 'STEMforThem!', 'HelpingKidsFineTuneTheirFineMotorSkills.',
'EssentialSuppliestoMakeUsWise', 'MaterialsforSmallGroupInstruction',
'Creatinga21stCenturyClassroomExperienceWithFlexibleSeating', 'OhPlacesaBookCanTakeYou....READ!',
'OwlPelletsPlease!', 'SensorySolutionsforSpecialNeedsStudents', 'ARoomForAllYourSenses',
'CrayonsandColoringforKiddos', 'MakeOurLibrarySnugAsABugInARUG!', 'ohmy!', 'Speed',
'SpeedAndMoreSpeedHelpUsGetSpeed', 'GrabaBookandRead!', 'HelpusFallinLovewithaGreatBook.',
'BringingArttoLifeWithOsmo', 'GardeningGrowsMinds!', 'LightingtheWayforSoccer!',
'StandupMathematics!', 'PullUpaSeatandPlay!-AdjustableSeating', 'Lendahand', 'tosaveahand!
(JuvenileArthritis)', 'All-StarMath', 'StudentReadAloudsCreateAdultReadersandWriters!',
'SpecialEducationReadingReadiness!', 'ListeningandLearning',
'iPadMini'sforMrs.Meeks'LittleLearners!', 'LearningAboutSocialSkillsWithPictureBooks',
'WiggleWobble', 'UsingSTEMBasedLearningtoProduceHealthyProduce', 'AnAppleTodayKeepsKidsAtPlay', 'P
LAYINGBASKETBALL', 'RavenousReadersNeedBooks', 'GoogleClassroomProject',
'BringFamiliesTogetherWithDVDandBooks', 'SeatofLearning', 'Multi-SensoryMaterialsforDeafStudents',
'MakeOurSpaceIntoaMakerspace!', 'ActiveLearningSeatingForMyActiveLearningInclusionClass',
'FurnituretoFosterLearning!', 'DoodleMeKnowledge!', 'STEMBUNDLE',
'Wanted:Mr.Popperandhispenguinstoinvadeourclassroom!',
'CDEInspiredVirtualRealitySTEMforChemistry', 'ReadingPensForStudentsWithDyslexia!!!',
'Help!Weneedwhiteboards', 'markers', 'anderasers!', 'KinderCore!BookstoCreateaLifetimeofReaders',
'AreThoseANTSInYourPANTS?!', 'MakingIndependentReadingaSharedExperience',
'Kindergarten:WhereWigglingandWorkingCollide', 'Dribble', 'Bat', 'andVolleyThat!', 'Plan',
'PRINT!A3-DEExperience!', 'OwlsomeLearningin\\r\\n\\nThirdGrade', 'ChromeintheClassroom',
'KindlesForKinders:OnFireForLearning!', 'MakingIndependentReadersandLearners',
'TooLstoBuildReadingFluency', 'Don'tTABLEthis...Weareonourlastleg!!!!\\r\\n\\nATPEmember',
'ScholarsReduce', 'Reuse', 'Recycle!', 'ISee', 'ISee!!!!', 'MovingWRITEalong!',
'ListeningandLearningwithAudiobooks!', 'SoundofLiterature', 'EmpoweringtheArtsThroughWriting', 'Ca
rpetTimeandlearningcenteritemsneeded', 'OwlPellets!', 'Write', 'Publish!',
'OurWaterFountainIsBroken!!!WeNeedColdH2O!!!!', 'BuildingFinancialLiteracyIstheWayToGo.',
'CreatingReadersOneStepataTime', 'Organizedclassroom!', 'TablesforCollaborativeLearning!',
'Gamer'sClub2017\\r\\n\\nSuppliesforaNewYear', 'HandsOnforLearning!', 'GraphIt!Analyzeit!',
'PlayingtoLearn!', 'WeLikeToMoveIt', 'TechnologyAtItsBest', 'EngagingLearnersThroughTechnology!',
'UsingChromebooksforOnlineSimulations', 'OrganizeMyClassroomLibrary',
'ListeningCenterforfuturereaders!', 'StepUpandReach!', 'WeliketoMoveit',
'TechnologyEnteringtheClassroom:OneTabletataTime!', 'Giver', 'RecreatingPast!',
'SocioEmotionalLearning', 'EveryChildhastheAbilitiestobeSucessful!', 'TechnologyintheS.W.A.M.P.',
'ExerciseGrowsBrainCells', 'KidInspired:LearningThroughInteraction', 'AnEaselForLearning!',
'InvestivetoMotivateEffortDuringTestingSeason', 'PokeNoMore', 'Let'sType!', 'ChomebooksGalore!',
'ONEShortofaHokkiStoolClassroom', 'Let'sGoBeWriters!', 'ClassroomTechnology05/06/16',
'WorkingTogetherandMakingaDifference'. 'BalancedLiteracyReadAloudsfor3rdGrade'. 'ETIA'. 'MATH'. 'an

WORKING TOGETHER AND MAKING A DIFFERENCE', 'Balanceable Technology Readiness for Success', 'LAX', 'AHHH', 'and BALLCHAIRS... OhMy!!!', 'Let's Target Movement Inside the Classroom!', 'Ends and Odds', 'but Useful', 'Connecting Through Stories of Survival', 'Equipping our classroom with Chromebook technology', 'Creativity and Learning with Sensory Foam and Dot Painters', 'Listen! Listen! Hear All About It!', 'Let's Get Girls Building', 'Chair Clothing Needed!', 'Developing a Love of Reading Through a Listening Center', 'Literacy Through Technology II', 'Family Art!', 'Music and Stability Balls: A Healthy Experience', 'Learning the Life Cycle', 'My Students Need To Help Their Families Read!', 'Hook Us Up! Classroom Supplies Needed.', 'Letter\\\"C\\\" is for \\\"Comfy\\\" iPad Center!', 'Supplies for my Kind Fourth Graders', 'Safety First for Technology', 'Coding and Beyond!!!', 'Art Department Needs A Document Camera For Demonstrations!', 'Express Yourself! Be Creative! Succeed!', 'Everything Has a Home With New Cubbies', 'Tech Savvy Students Need Tools!', 'Chromebooks Critically Needed for Third Grade', 'Freedom to WRITE', 'Laptops for Learning', 'DREAM BIG... READ!!!', 'Ms. Bourg's Scholars Reading for Success!', 'Engage Student Learning Through Technology', 'Educating Minds', 'One Book at a Time', 'Stand Up for Collaboration and Cooperation!', 'Student Lead Morning Announcements for TEAM FPS!', 'Stand Up for Learning- Standing Desks', 'Ahoy Mates! It's time to find the treasure!', 'Food for the Brain!', 'Headed in the Right Direction and Set for Success!', 'THROUGH PLAY I LEARN!', 'Wonder Teaching Us Acceptance', 'Interactive Technology with Osmo's!', 'Designing in the Math Classroom', 'GO FISH! Aquarium Teaches Kids with Special Needs Life Skills.', 'Extra! Extra! Read All About It... My Students Need Almost Everything!', 'Headphones for Focused Learners!', 'Charge It!', 'Neighhhhhh! HORSE shoetable to the Rescue!', 'Fidgeting in Special Education', 'Engaged Kindergarten Students at Literacy Stations!', 'Science Excitement', 'Let's Get Reading Bridgeto Terabithia', 'Leveled Readers to build Confidence', 'Keeping our eyes on the Ball!', 'Writing Workshop--Watercolor Painting', 'With Technology\\r\\n We Can!', 'Commitment to Learning', 'Supplies to Support my Struggling Readers!!!', 'Moving to success!', 'Staying Organized and Ready to Learn', 'Hands On-I'm In!', 'Capturing Learning by Critical Thinking', 'and Exploration', 'Reading Inspires the Inquisitive Mind!', 'Having a Ball to Life long Fitness and Wellness', 'Third Graders Love Learning with iPads!', 'See It! Believe It!', 'Interactive Notebooks: New Science Textbook', 'KYFHOOTY (Keep Your Feet', 'Hands and Other Objects To Yourself) Carpet', 'Fluorescent Light Diffuser for Positive Classroom Environment', 'May the STEM be with You!', 'Let's Practice!', 'Low income students want to be \\\"American Ninja Warriors\\\" too!', 'Community and School Garden', 'We Can't Sit Still', 'Dr. Seuss Party With Our Buddy Class!', 'Light a Fire for 5th graders with Kindle Fire', 'Plan it', 'Create it', 'Share it!', '\\\"I Get to Keep It?\\\"', 'Create to Learn and Learn to Create', 'We Love to Learn Through Science!', 'Hungry Kids Can't Work!', 'Bringing Technology to our Classroom!', 'Preparing Students for a Successful Tomorrow', 'Today!!!', 'STEM with color!', 'Bar Soap Needed for Low-Income Teens', 'iPad for 1st Grade', 'Organization is the Key to Time Management', 'Wiggling Our Way to Good Health', 'Art and Innovation: Documenting and Sharing Children's Growth and Change', 'Breakout of the Library', 'Heads in the Cloud', 'Alternative Seating Options', 'Sensory Sensations', 'Technology Needed for Growing 5th Grade Minds', 'New Carpets for a New Room!', 'Apples for a Good Cause!', 'Chasing our Dream', 'Wobbling our way to Guided Reading!', 'Falling in Love with Reading', 'Help teaching my student through Technology!!!', 'Urban Landscape Paintings', 'Exceptional Children's Week At Otwell Middle School!', 'Connecting with Chromebooks', 'But That's the Only Book I Like!', 'IPad to Meet the Educational Needs of 21st Century Kindergarten', 'Fine Feathered Friends!', 'Aquaponics for Kinder and First Graders', 'Help Us Direct Our Natural Kinesthetic Energy!', 'Ever-ballin' at Evergreen Middle School!', 'STEM is Our Future!', 'I Grew That!', 'Our Christmas Wish List for Kindergarten', '\\\"Bluetooth Boogie\\\"', 'New 4th Grade Reading Classroom! In need of reading resources.', 'Perfect Classroom Library', 'Explore Where No Class Has Gone Before!', 'I Liket o Move it', 'Getting Ready for 3rd Grade', 'NEW FIRST GRADE CLASSROOM NEEDED', 'Journey to Success-Reinforcing the Character Counts Message', 'STEM AHEAD!', 'Manipulating Math', 'Classroom Odds and Ends!', 'We STAND for a Change!', 'Innovation for the Next Generation', 'Cozy up to a Good Book!', 'Flexible seating for 1st graders!', 'Composition and Creative Problem Solving', 'Hey Dad', 'Do You FEEL Like a Good Book?', 'CSSSensory Room', '1st Graders+ Crayola products=\\r\\n Wonderful Imagination', 'Flexible Seating to Meet the Needs of All Learners!', 'Wiggles We Learn\\r\\n (Alternative Seating for Kinders)', 'Clay for the Stars', 'Dirt Made My Lunch! Expanding Our Literacy Garden!', 'Love a Laptop', 'Swinging And Moving During Indoor Recess', 'Looking at the world of Genocide through literature', 'Night Drawing With Oil Pastels!', '\\\"Uke\\\" Can Do It!', 'Need in' Some Rhythm to add to our Blues', 'Book Clubs for Third Graders!', 'Battle of the Books 2017/2018', 'Checking Our Calculations', 'Empowering Students Through Technology!', 'Visualize Learning!', 'Paper?... Where we're going you don't need paper.', 'Sensory Tools that Help Us Find Our Balance!', 'Mini Lessons Made Easy... With an Easel!', 'Technology Engagement for Project Based Learning', 'Math Maniacs Master With Manipulatives.', 'Jammin' in 3rd Grade!', 'Magical Reading Adventures Begin With a Good Book!', 'Creative Lessons with iPads for Advanced Placement ABCalculus', 'Cozy Carpet and Non Fiction Books!', 'Classroom Elmo', 'Focused Learners Move More With Flexible Seating', 'Who Needs Technology For Reading? We Do!', 'I pads=Yes!\\r\\n iPad Cases=Need:)', 'Video Modeling: Each Child a Star.', 'Bouncing Bands for Everyone!', 'Back Packs Keeping us Organized', 'IPads for Our Classroom Pad! Part 2', 'Bringing Mathematics to life with Technology.', 'Supplies for the Bull's', 'ROBOTICS and PROGRAMMING @ Cougar Country!!!!!!!', 'Help Bring Collaborative Group Projects to Oakdale!', 'Art and Literature to Inspire All', 'Making Math Meaningful in Middle School!', 'Inspiring Minds to Construct Testable Science Investigations', 'Working Together: An Easel for Shared', 'Engaging Learning', 'Keeping Our Materials Organized!', 'Presenting with Giant Post-its', 'Techno What!?', 'Accessorize the World of Music', 'Still Bouncing Our Way to Health', 'Yacker Tracker: a neutral way to keep everyone's earholes sane', 'Little Engineers', 'Building a Better Listener' '\\\"Say! Say! Oh Clay-mate!\\\"' 'Active Body'

BuildingaBetterLearner', '\\say,say,say,onlymake\\',ActiveBody',
'ActiveMind!FlexibleSeatingin1RS.', 'OrganizationIsKey!', 'ClassroomFurnitureforActiveLearners.',
'**HelpUsBuyNewBooksforourClassroom**', 'GettingOurWigglesOut',
'BasicSuppliesforExtraordinaryLearning', 'EngagingMindsandMuscles', 'OutdoorActive',
'HokkionDown!', 'Validatemyimmigrantexperience@theLibrary', 'SuperstarReaders', 'GetYourPlayOn', 'TestingwithoutTechnology', 'ReadingIsCaring', 'WeNeedBooksforSharing!', 'NavigatingThru6thGrade',
'LearninginColorMakesusBrighter!', 'Mrs.Cemo'sClassOrganizationProject',
'Appleicious!Helpustakeabiteoutoflearning.', 'ArtRoomNeedsCenters', 'Showyourwork',
'ChallengerMiddleSchool'sCompostingProgram', 'BookBoxesForYoungReaders', 'De-clutteringtheDigitalArtLab', 'TimesforMrs.Roberson'sKids',
'GraphicSetofBooksforReluctantReadersWithPotential!', 'RockStarReaders', 'FidgettoFocus!!:)',
'ThoseWhoReadBecomeThoseWhoLead', 'ExtraReadAllAboutIt!Part2',
'MakeMyClassSparkleWithChromebooks!', 'Canyouhearmebetter?', 'CozyKindergartenCommunity!',
'It'sAboutTime(forKids)!', 'ZoomintoLearning', 'MovementandCreativity!', 'BucketBand'sNewBeats', 'MathematicsofFitness-ContinuingtoExcel', 'InvolvedLearnersonanInclusiveCarpet',
'BaseballEquipmentforaNewHighSchoolSportsProgram!!!', 'Asafeandquietspace', 'MathisTouchable', 'MuchoMathManipulatives', 'MakingIMovies', 'WeFinallyHaveTheChancetoPlay!EquitmentNeeded',
'Ms.Nelson's2ndGradeSmartMart', 'AnchorsAway...(WEHOPE!!!)', 'ClassroomLibraryRevamp!',
'FlexibleSeatingintheHighSchoolAP_Honor'sClassroom', 'BreakTimeBots_BoredomBustersintheLibrary', 'TwoSETSSofmaterials!', 'PositiveforPlay-Doh', 'DIGITALACCESSFORTHEFUTURE',
'Whizz!Bang!BuildingUpSTEM!', 'CreativeSculptures:NextMichelangeloPicassoAwaits',
'MobilizingOurScienceLab!', 'PaintingOurReading', 'WeDitchedtheDesks-AlternativeSeatingforFirstGraders', 'MethodBooksandMoreforMusicEducation',
'\\StandUp\\'forMusic', 'FlexibleSeatingfor4thGradeLearners', 'HeadphonesForOurSchool',
'WobbleChairsforLittleWigglers', 'ConnectingtotheWorldWithChromebooks',
'PositiveAttitudeThroughBooks', '\\CanYouHearWhatIHear\\'HeadphonesNeededPlease!',
'BloomingApple', 'FlexibleSeatingin6thGrade', 'EngagingMathwithGames', 'Organized', 'Energized', 'andRevvedupforFourthGrade!', 'D.I.YMathCenters', 'ReadWriteGO!', 'WhentheSaxPlayerTestifies!', 'SportsUniforms', 'PowerofPlay!', 'BooksfortheSoul', 'ReadingIsWhatIt'sAllAbout!', 'Goggles',
'GogglesEverywhere!Myeyesightistoovaluabletospare!', '\\Toon\\'intoReading', 'STEMCrazy!',
'Chromebooksfor4thGraders-puttechnologyattheirfingertips', 'Interactive_Hands-OnTechnologyinKindergarten', 'BuildingaSolidFoundation',
'DoubleTrouble:WeNeedAnotherTeachingArea', 'DinnerEssentials',
'DellChromebooksCanMakeaDifference!', 'CodetotheFuture', 'StudentInspiredRecessActivities.',
'WobbleasWeWork!', 'DiggingIntoPlantScience', 'ClassroomLibraryfor60Students!',
'StandingTallandFit!', 'HowDoYouSay_____InSpanish?', 'HotDotstoMakeHotShotReaders',
'NooksforBooks', 'ArtMaterialsforYESPrepSoutheast', 'ALeagueofTheirOwn:ANewTraditionBegins',
'Hands-OnLearnersReadyforanOsmo!', 'Create....CUT!',
'BooksForYouandBooksForMe!BooksForEverybody!',
'OrganizedWritingStationforSuperSecondGradeWriters!', 'NewDrumstoKeeptheBeatAlive',
'HelpUsBuildaLaptopLendingLibrary!',
'PantherScientists:FutureMastersofMagnetismandEliteElectricians',
'EngagingYoungMindswithChromebooks', 'KeepingitTechSavvyinReadingIntervention!',
'WobbleStools:PromotingBetterReading_Thinking!', 'AllAboardtheKindergartenTrain!', 'Hands-onLearning', 'LearningWithOurMinds', 'Hands', 'andHearts.', 'FaistlFamilyNeedsYourHelp!',
'CrazyForChromebooks', 'BounceandLearn', 'SouthBronxChampsNeedGreenTechLove!',
'FlexibleSeatingforFlexibleThinking!', 'TABLEStomakeusABLE!', 'MakingSciencePersonal',
'ArtMashUp', 'FallingMoreInLoveEverydaywithReading', 'GettingtheMostOutOfMathWithTechnology!', 'Multi-SensoryToolsForSuccess!', 'BigBooksforLittleHands', 'Helpourschoolresearchgrow!',
'GettingOurWigglesOut!', 'HelpusChooseKind!', 'PracticeUniformsforNashuaSouthBaseball',
'WiggleIt...JustaLittleBit!', 'CurlUpWithaGoodBookandaFuzzyDog!', 'DesignsforaLifetime-YearbookClassComputer', 'Pre-KRestMats', 'BuildingaClassSetofComputers',
'SillySallyandWigglyWilly', 'BookSeriesThatKeepStudentsWantingMore', 'StandUpForLearning!',
'BoardstoStoptheBoredom!', 'ClassroomFurniture', 'SupportingBi-Literacy\\r\\nWithSpanishLanguageBooks', 'TechnologyLearningAdventures',
'BringingCornertoFindPeaceandRegroupforLearning', 'TabletsforTinyTubmanToads',
'CalmingtheclassroombackwithGoogleChromebooksastextbooks', 'MoveYourFeetChooseYourSeat',
'TurnPagesOfYourImaginationAndRead!', 'CreativeExplorationComestoLife',
'OverandUnder:Weaving\\r\\nTogetheraCommunityofLearners', 'FlexibleSeatsforActiveLearners',
'LearntoPlayandPlaytoLearn!', 'GreatStudentsNeedAGreatReadingTable!', 'LearningThroughScience!', 'KidInspired:OnTargettoBeMoreActive', 'Printer_PaperforProjects',
'WigglingandWobblingOurWaytoSuccess', 'KrazyforKindergarteners!',
'HelpGrowOurPictureBookLibrary!', 'PhysicalEducationClassroomforthe21stCentury',
'CleanAirforAll!', 'HavingaBallofTime', 'ComfortableCarpet', 'ReadingThroughRelaxing',
'ClimateScienceStation', 'CarpetTime=FamilyTime', 'Lovin'EveryMinuteofIndependentReading',
'SightWords:LearningtoRead!', 'MakingMathandLiteracyConnections', 'ACozySpacetoGather_Learn',
'HelpourPiratespaintoncanvas', 'DragonTechnology', 'KeepingMyBody_BrainInShape',
'Helpuslistenandlearn!', '4thGradeFitness', 'ChromebooksforSTEMClassroom', 'CapturedMoments',
'SpotOn', 'APEnglishforUnderservedStudentsinLow-IncomeArea', 'ChromeBooksforGlobalCommunication',
'SupplyingSuccess', 'SHELF!!!SHELF!!!READALLABOUTIT!!!', 'Listen:WeAreLearningLanguage', 'Mud', 'Sculpt', 'Fire', 'andGlaze=VUALA', 'Room204LearningOnFloor.', 'ValuableViolinistsNeed4/4Violin', 'ReadingIsPowerfulifYouHaveTheRightBooks!', 'SmartMovesLeadtoStudentEngagement',
'ClassroomStarterKit', 'UnitingtheStudentBodyThroughActivitiesandService',
'YoucanhelpourStudents!', 'Lifeisasong!Singit!', 'ViolinsforStudentsinNeed',
'SuperStudentsGettingSuperFit!', 'CanWePlaytheBellsToday?\\r\\n',
'DigitalLiteracy:EngagingStudentsina21stCenturyClassroom!', 'MathMania',
'BeanBagsandLaminator!!!', 'BulletinBoardRepair', 'MakingTechnologicalAdvancesinPre-K',
'BlastingintotheFuturewithtechnologyintheclassroom!' 'HavingFunwhiledoingP.E!'

Blasting into the future with technology in the classroom! , Having fun while doing it. ,
 'Furniture for Friendly French Speakers', 'Making Nonfiction Mobile',
 'Using Technology to help with reading and understanding.', 'Active Feet in the Seat!',
 'New Books To Help Us Dream Big!', 'Life's Behavioral Lessons', 'Support Kindergarten STEM (Science',
 'Math)!', 'Special_Typical Needs Pre-K Emergent Readers', 'Growing into Readers with Guided Reading',
 'Window on World', 'Engaging the Mind', 'Title I Students Need Laptops',
 'Becoming Financially Literate Third Graders', 'South Charlotte General Athletic Equipment',
 'Empowering Students to Bring Nutrition to their School and Home!', 'Science Supplies for Sparking Inquiry', 'M
 y own Space', 'Innovation and Collaboration Is Off the Wall!', 'Falling in LOVE with a good BOOK', 'Math Ninjas',
 'Calculating Success', 'Books for Better Readers',
 'Exploring Frederick Douglass 12 Angry Men in Literature Circles!', 'Moving and Grooving',
 'Plants and Animals - Helping Each Other Survive!', '*Expand Your Learning Through Flexible Seating*',
 'Active Students - Active Learning!', '\\\"Native Son\\\"For Our Sons', 'Bouncing into Pre-K', 'Baby Wipes', 'Exam
 Gloves', 'and More for Severe Special Needs', 'Self Regulation - A Calming Peaceful Place!',
 'Inspired Students Creating Healthy Meals', 'Fun With Phonics!', 'Safety in Numbers',
 'Be the Catalyst for our Chemical Reactions!', 'Moving to Learn... Oh Yes!!!',
 'Keep Calm and Take a Sensory Break', 'Kindergarten Engaging in Math!', 'Soil for Sprouts',
 'Be a Read asaurus! Roar into Learning!', 'Only You Can Help Prevent Fire Hazards',
 'Laptop Computer for Science Classroom', 'Interactive School Supplies',
 'Elephant and Piggie Books Bring Joy!', 'Reaching out with Literature', 'Gardening our way to the table!',
 'Dot Dot Dash', 'Recycling Education', 'Enticing Class Reading', 'Bond With a Book',
 'STEAM Inspiring Students Creations With Circuits', 'Help Us Learn Our Multiplication Facts!',
 'Success at Home and School', 'I read With an iPad', 'Sensory STEM play for Kindergarten',
 'and More Books for First Grade!', 'BRINGING THE MELODY TO THE DRUMS', 'Keep Moving With Bubble Suits (2)',
 'We Are 100 Days Smarter!', 'Classroom iPad', 'Help Us Upgrade From a Blackboard to Computer Projection!', 'Sup
 plies for Baltimore Students', 'iPad Minis for My Mini Learners!',
 'Creating Strong Readers: Keep Students Reading', 'Books Are Life's Avenue to Knowledge',
 'Interest and Creativity!', 'A Flexible Seating Paradise: Increase Focus and Create Comfort',
 'Wiggling Readers!', 'A Magical Adventure Awaits...', 'Flexible And Focused Friends In First Grade!',
 'Empowering Students With Gift of Reading', 'Dyslexia Instruction Made Easy', 'Math-
 alicious Fractions Plus More', 'Play is the Work of Kindergarten', 'Help Our Growing Band Program!',
 'Make SCIENCE A Little Brighter', 'Scholastic Magazines Just Like When You Were a Kid!', 'Print in All Colors!',
 'Having a Ball (SPHERO!) in Math Class!!!', 'Making Learning Fun through Games',
 'Supplies for a New School Year!', 'Equip A Lacrosse Girls and Boys Team', 'Toner and Drum for the Printer',
 'Aspiring Musicians Need Ukuleles!', 'Time for First Grade Readers!',
 'Every Trumpet and Trombone Player Needs a Set of Mutes', 'Saving the Good Stuff\\r\\n', 'Staying Healthy', 'Ex
 ercising', 'Wiggling', 'Wobbling', 'and Learning', 'Learning With Light..Tables!',
 'Making Math Fun With Centers', 'Interactive Notebook', 'Essentials Needed!', 'Math is How We Do It!',
 'Tiny Titans Need Tech Too!', 'Technology for 21st Century Skills', 'People Who Inspire',
 'Help the Antonia Bulls--Grab Us By the Horn!', 'Connecting Our Learning', 'Learning With LEGOs',
 'Young Learners Becoming Little Geniuses', 'Wobble seats for wiggly bodies!', 'We read for information',
 'entertainment and to persuade', 'Making Classroom Materials Functional',
 'An Adventure in Flexible Seating!', 'Understanding Through Manipulating: Hands-on Math Classroom',
 'Hygiene', 'Games', 'Clothing Increases Success in Classroom!!',
 'Music Stand that Don't Wobble or Fall Down', 'Chairs and Headphones!', 'Drawings Come to Life',
 'Let's Get Fit with FUN!', 'Reading Essentials!!!', 'Clean Classrooms for Healthy Learners',
 'Kindergarten Students Need a Cozy Rug for Morning Meeting', 'Chromebook Scholars', 'Legos Help Us Learn', 'Fa
 mily Fun Packs!', 'No Fear Shakespeare's Romeo and Juliet-1 of 2', 'A Comfy Seat on the Floor',
 'Targeting Middle School Cross Country', 'Rock Away the Day!', 'Math Centers needed', 'Roosevelt Reads!',
 'Chromebook Learning Centers', 'Excursions in Drawing', 'Basic Necessities! Please Help!',
 'Support OUR Sensational Sensory Needs for Learning!!!', 'Bump It Up! Set Me Up!',
 'Help Protect Our Tiny Noggins as We Play!', 'Tech for the 21st Century Learner', 'Look who's TECH IN!',
 'Students Strive for Organizational Skills!', 'Fit for Life!', 'Bullying Never Goes Out of Style',
 'Help Little Military Troopers Learn With Chromebooks 3', 'Product of Motivation\\r\\nPart One',
 'Tools for Tomorrow's Leaders', 'Organizing Football Uniforms', 'Books With Cd's!',
 'Interactive Materials to Keep Us Organized and Engaged',
 'Lego! Lego! Lego!\\r\\nour new\\\"Lego Maker Table\\\"!',
 'Sensory Tools for Special Education Students', 'Easels Make Learning Easy',
 'Learning Fractions through Cuisenaire Rods', 'Mozart in Outer Space', 'Kinders Love to Learn to Read!!!', 'Ma
 thematics requires advanced technologies!', 'Flexible Seating Oasis!',
 'Learning about SUPER Nutrient Foods for Super Kids!', 'Classroom Chromebook Set', 'Fired Up!',
 'Let's Get to Know Our ABC's!', 'Fun Learning with Osmo Technology!',
 'Making a Difference with Flexible Classroom Seating',
 'Flexible seating and literacy learning centers for all!', 'A Seat for Every Student',
 'A Place for Every Backpack', 'We Need Ink!', 'Technology Is My Passion', 'Get to the Point!',
 'Books Galore...but We Need MORE!', 'Puppets for the Alphabet', 'Outdoor Learning Space',
 'Where There is No Vision', 'the People Perish: Eyeglass Repair',
 'Counting on Steps to Our Future Healthy and Fit Lives', 'Swivel', 'Plop', 'Stand or Swap.',
 'Mobile Learning At It's BEST!', 'TOON-Literacy Fun', 'Who Likes to Move it Move it?',
 'Unleash Your Inner Inventor', 'Outbreak: UNITED (United Initiative Towards Emerging Disease)',
 'Fim is Forever', 'Save Us From Our Outdated Technology!',
 'Exciting Books for Struggling Readers at the Middle School Level',
 'Extraordinary Students Need Ordinary Supplies!', 'Making the Grade with Social Studies!',
 'Focus for Success', 'Learners Have Wigglers', 'Building A Better World One Student At A Time!',
 '*High Octane', 'All Star Students* in Need of Supplies!', '3 Doodler + STEM = Successful Students!',
 'Incentives for Spanish Performance_Honor Roll Part 1', 'iTeach', 'Titans Essentials', 'Laptop',
 'Tablets for 3+ More!', 'Help fund Urban Art for Middle School Students in Boston',
 'Help Us Teach Organizational Skills!', 'Building Words with the Building Blocks of Reading'

'helpsteachorganizationalskills!', 'BuildingWordsAreTheBuildingBlocksofReading',
'FloodMyStudentsWithLoveofLiteratureandResources', 'Canyouhelp?WeneedaSoftandCozyrug.',
'Mission:One-to-One!', 'Fitness...There'sanAppforthat!', 'TechnologyinKindergarten!',
'ErosionofLandFormsandLiteracy', 'FUNDamentalSeating-AlvaradoStyle', 'BouncingIntoKnowledge!', 'TechnologyToGiveStudentsBetterLearningOpportunities', 'FlexibleSeatinginFirstGrade!',
'HelpOurClassroomRecoverFromtheFloodof2016', 'Let'sGetFlexible!', 'Hands-OnSTEMLearningCenter', 'RoboticsLessonsGetStudentsReadyforRealWorld', 'Mr.Schreck'sClassCanPrint!', 'LearningbyCreating',
'Interactivereadingandwritingcentersforlanguage delays!', '\\\"Miller'sReadingManiacs',
'GotChromebooks?', 'EngaginginFlexibleSeating', 'FitbitsForFitnessII', 'FutureTechiesWithiPads!',
'OllieOllieOxenFree', 'MySTEAMologistsareFIREDupabouttechnology.', 'BigBooks=BigLearning!',
'Teachin'WithTechnology!', 'SteppingUpToChallenge', 'HelpUsFidgetandLearn', 'HokkiPocus',
'MovingHelpsUsFocus!', 'OrganizationalFreaksofNature', 'BuildingBrainPower', 'GoogleClassroom', 'GiveThemaniPad', 'GivethemSuccess!', 'WarriorScholarsNeedANovelThatPacksAPunch',
'BigComfyCouch(ReadingCorner)', 'EncouragingEngagementThroughTechnology',
'GeniusHourinOurMakerspace', 'NotJustBooks!LibraryMakerspaceEncouragesCreativity_ProblemSolving',
'iLearnThroughTechnology', 'GoldenSowerBookClubandReadingCompetition:1stSemester',
'BringMyClassroomIntotheTwenty-FirstCentury', 'FishOutOfWater?...\\\"FishinaTree\\\"',
'BounceBallChairsforKiddo's!', 'It'sCenterTime!', 'WeWanttoRunThisWorld',
'RethinkingSpaceIn5thGrade', 'ReadingtoCreateExcellentWriters',
'In..Need..Of..Books...AndSchoolSupplies', 'CreatingaComfortable', 'Creative', 'andCushy',
'ThirdGradeClassroom', '\\\"TheTesting\\\"byJoelleCharbonneau', 'NanakuliFootballTraining',
'STEMProgram3DPrinter', 'KoreChairsPromoteKindLearning', 'NotKangarooKids',
'5thGradeSeeksFlexibleAlternativeSeatingOptions', 'CreateOnceMore',
'ChromebooksforALL!#makenolittleplans', 'AnApplefortheStudents!', 'Let'sClick',
'CalculatingourFuture!', 'IpadMiniforIEPGoals!:',
'HelpMakeMyHighSchoolersSoundSmart:VocabularyBooksNeeded',
'Mrs.Martin'sClassNeedsComfort!!!\\r\\n(Ouch!OurBottomsHurt!)',
'BigBooksandStoryTellingforSmallLearners', 'RocktheBells!', 'SharpPencils', 'SharperMinds!',
'OneChromebook@ATimeIsAllItTakes!', 'Explorewith3Doodlers', 'BasketsforHispanicHeritageMonth', 'AComfyCorner', 'MathematiciansIntheMaking!', 'Snapshot:YearbookSquadNeedsCameras',
'AwesomeToolforBusyBodies!', 'ReadToSucceed', 'DystopianLiteratureCircles', 'OsmoLearning',
'JustKeepReading...JustKeepReading!', 'SustainableBiosphereEcosystemsforNGSSScience',
'FitbitsForUs2', 'LiteratureCirclesinThirdGrade.', 'StrengtheningMindsandMuscles',
'FutureCivilEngineers', 'LettheGamesBegin', 'ExcavateesDigDeep!',
'CreatingGeniusesOneHourataTime', 'ComputersToReplaceFailingComputers!', 'SuperSpecialScissors', 'DrumsandMath:ReachingtheActiveStudent', 'GoogleIt!', 'It'saTechnoLife!',
'Play!Play!Learn!LearningThroughPlay', 'ReadytoRead', '\\r\\nBooksAreAllWeNeed!',
'Technologytobuildourfuturegeneration', 'OnYourMark', 'GetSet...READ!',
'Preschoolneedsschoolsuppliesforthekids!', 'ColorOurClassroom...AGAIN!', 'BeaJoyfulGiver!',
'Campbell'sKindnessCatchers', '\\\"Let'sShake', 'Rattle', 'andRoll\\\"', 'FlexibleSeatingPlease!',
'LiteracyDetectives', 'MissiontoMove!', 'ComputersforKids!', 'LapTop?YesPlease!',
'FlexibleSeatingOptions', 'ReadingIndependently_SchoolSupplies', 'Behavior4theBetter',
'Life/VocationalSkillsToIncreaseIndependenceInSpecialEducationClass!',
'Specialneedsstudentsneedipads', 'ClevelandComback', 'SuppliesNeededforasharpstart!!!',
'ZealMathTutoring!', 'iPadstoChangetheWorld!', 'HocusPocusRevised-RightFit', 'ChromebooksforKids',
'HotAirJustIsn'tFair!', 'LegacyofWords:ExploringtheHolocaustThroughLiterature', 'MoveandLearn2.0',
'SupplementalScienceforHands-OnExploration', 'SprinttoHelpourTrackTeam!', 'FortheLOVEofREADING!',
'LabStools', 'Hop', 'Throw', '_Catch=DoubleBullseyeHealth', 'Honey', 'Where'sMyNewspaper?', 'BrainFoodEssentialsforEffectiveLearning', 'GoBuckeyes:BringingaCollegeCultureto4thGraders',
'CreatinganAutismFriendlyClassroom:\\\"UseYourWords\\\"', '3DModelMakesItRealistic',
'HeadphonesforAll', '3..2..1..BLASTOFF', 'TremendousTechies!', 'HelpStartOurClassroomCommunity!',
'I-TeachI-CanI-Exercise', 'ReadersareLeaders!', 'Buildingfluentreaders', 'MakeVeggiesFun!',
'RousetheReadingFrenzy!', 'FlexibleSeatingforAcademicLearning',
'RaisingReadingStarsWithMiniIPads!!!', 'HelpUsGetaListeningCentertoBoostOurReading!',
'KnowledgeFromBooks', 'FloorTables', 'DancingandRunningOurWaytoaHealthyLifestyle!',
'BrilliantBots', 'FinancialLiteracywithTechnology', '\\\"FutureEngineers', 'AgentsofChange\\r\\n',
'ComfyBehindsforEngagingMinds', 'Mrs.Knighton'sHeadphonesforStudents', 'KindergartenMindfulness',
'IndependentLearningMaterials', 'WeWiggleandWeWobble', 'BuildingBetterReaders',
'FlexibleSeatingClassroomLearningEnvironment', 'PerfectLibraryforYoungReadersandStorytellers', 'Let'sGetitStarted!', '\\\"It\\\"Book', 'TouchandType!', 'LaboratoryNotebooksforOliverOwls!',
'MOREandMOREandMOREBOOKS!', 'GrowingwithGuidedReading!', 'LearningConnectionswithChromebooks', 'BuildingReadersOneShelfataTime', 'OnOurWayToSuccess!!!',
'AndAwayWeGo.....TothenextlevelofLearning!', 'Extra!Extra!PrintAllAboutIt!',
'HelpUsChallengeOurselvesandExpandOurMindsWithiPads', 'AnAppleTVForOurClassroomPlease!',
'Wiggle(Seats)', 'EngagedWithElectricity!', 'OfficeSupplies', 'OrganizationintheResourceRoom!',
'BooksandToolsforSTEMLearning', 'Let'sReadtoSucceed!', 'FlexibleSeatingAllowsforFlexibleLearning!',
'Chromebookfor3rdGradeLearners#3', 'MindStretchingSTEM', 'Wobbling_Learning',
'HealthyChildSucceedsAcademically', 'RockOn!', 'FourthGradeFlexibleSeating', 'PuzzlesforLearning',
'JustDance!-ExerciseThroughVideoGames.', 'ReadandMore!', 'GainingLifeSkillsWith3-DPrinting',
'Studentsinfocus', 'EnhancingthePlayingField', 'StrengtheningParentRapportsThroughTechnology', 'DevelopmentofYoungWriters', 'EngagingLearnerswithHokkiStools', 'KineticGames', '_More!\\r\\n',
'MathReadAlouds:ReachingAllStudentsThroughGuidedMath',
'\\\"TheWiggles\\\".....FeaturingThirdGraders', 'HelpMakeTechnologyaRealityinOurClassroom!',
'MathIsFun!', 'ASpaceforEveryonetoread', 'BoogieBoardsforWritingandMath',
'ThinkingistheMostImportantPartofLearning!', 'SuppliesandOrganization',
'EarthWithoutArtIsJustEh.', 'StudentsOntheMove', 'BlockingWithCoalMiner'sKids', 'SimpleMachines-MindsinMotion', 'StationFun!', 'CopyingRight', 'HistorythatCanBeSee!', '\\\"MagicCarpet\\\"',
'BuildingWithEmotionsandtheCreativeProcess', 'BuildingtheCreativeMindoftheClassroom!', 'GetMarked'

WritingwithEmotionLeadstoGrowth', 'BringingtheOutsideworldinsideourClassroom!', 'Gotrecn', 'FutureAuthorsofAmericaNeedSupplies!!!!', 'LearningScienceLibraries', 'SportsandMusicTeamUp!', 'Bringinghistorytolife!', 'SuperDuperLearningandLanguage', 'WritingHelp', 'HokkiStoolstoKeepStudentsMOVINGintheClassroom!', 'GuidedReadingNecessities!', 'HelpUsHear!', 'WeCan'tWriteWithoutPencils', 'iPadforMathInstructions', 'MakeVirtualRealityareality.', 'Let'smoveandWobbleonaHokki!', 'OnMoveInOurSTEMClassroom', 'TheaterArtsWithoutInterface!TheseActorsNeedtobeHeard!', 'FlexibleSeatingforGrowingMinds', 'YoungInventors', 'ExplorerClassroomEssentials', 'WobblyLearning', 'TechnologyisTakingOver', 'Let'sRead!!!', 'iNTERACTIVE.iNDIVIDUALIZED.iNspiredLearningwithiPadMinisinFirstGrade!', 'IPADsNeededforTechnologiesake.', 'BookBasketstoOrganizeourLibrary', 'Multimedia', 'Apps', 'andGame', 'ImaginativeFreedom', 'HelpImproveOurVocabulary', 'NewTitlestoExciteReluctantReaders', 'iCanwithaniPad', 'ScienceWorldandDynaMath', 'WobbleinOurRoom', 'MakingScienceComeAlive!', 'MakersGonnaMake', 'SteadyMindswithOscillatingBodies', 'EfficientandWarmClassroom', 'StrongReadersAchieveGoals', 'WeLiketoMakeIt', 'MakeIt~', 'MeasuringOurSuccess-LearningforMath_SocialStudies', 'ShowMeWhereThatIs.', 'WeNeedThese!', 'Peoplechange', 'ChairsEverywhere', 'butWhichOneisRightforMe?', 'AmazingAquaponics', 'BouncingOuttheWiggles', 'InkforWriters', 'BuildingABetterFutureInPreschool!', 'WeLoveScience!', 'MediaLiteracywithTimeForKidsSubscriptions!!', 'CoolChromebooksforCaptivatingKidsx2', 'Creatinga21stCenturyClassroomthroughTechnology', 'Geniusis1%Inspiration...', 'ChromebooksinKinder', 'BusyBodies', 'BusyBrains', 'MovingintoSuccesswithFlexibleSeating', 'FramingOurThinkingThroughNumberTalks', 'LINKStotheRescue', 'FlexingOurTechMuscles', 'iPadstoInspireMusicalCreativity', 'MovingOurBodiestoGrowOurMinds!Part2', 'Exploringourworldandexpressingourselvesthroughtechnology!', 'WeLiketoMove', 'Listening_SpeakingOurWayToHigherLiteracy!', 'ScientificArtistry:CircuitDesign', 'DearTeamPaws', 'LetYourLittleLightShine', 'MeetingtheNeedsofmyStudentsUsingTechnology', 'ExcitingCircuits!', 'BusyBodies=FocusedMinds', 'BoostingReadingOneReaderAtATime', 'BrainBalance=BalanceBikes', 'ListeningLibraryinRoom107!', 'Collaborate_Listen!WeAimtoMake8Additions!', 'StrengtheningLittleHands:FineMotorFun!', 'WeAreAuthors!', 'ModernHero:InspiringTeenagerstobeGoodReaders', 'SeeingtoSucceed!', 'EngineeringOurWaytotheTop!', 'StudentChefsCreateCookbookForHome!', 'FlexibleLearningintheDigital', '\\r\\nDual-LanguageClassroom', 'CreatingMathGeniusesOneMathStationAtATime!!!', 'iPadsNeededforMySuperstars', 'Printingourfuture', 'PictureThis:Agent'sNeedsBooks', 'HandsonEngagement!', 'RiverEcosystemComesAlive!', 'TeensUnderConstructionNeedtoMove!\\r\\n', 'BrandNew3rdGradeMath_ScienceTeacherNeedsEverything!', 'FinalPhase:ConnectingthePiecesTowardsHealthandWellness\\r\\n', 'PowerofNonfiction', 'BringingCurrentEventsIntoOurClassroom', 'PrintingIdeastoLife!', '3DScienceinClemensen'sBiosphere', 'ExcellentBooksforEnthusiasticReaders!', 'HelpingWiggleWormsFocus!', 'BringingtheLibraryandLabtoUs', 'OurRugIsPlaceToBe!!!!', 'EngagingInteractiveMathBinders', 'Giver(Newburybook)', 'EcologyMysteriestoCreativelyEngageOurScientificallyInquisitiveMinds.', 'DiggingintoHoles', 'ItWasaPleasuretoRead', 'TechnologyWorkingitsMagic', 'We'reonFireforReading!', 'LetMeFidget!', 'HomelessBooksNeedaHome!', 'ShowMeHowYouDidThat!', 'RemediateWithChromebooks', 'FlexibleSeatingOptionsforSuperReaders', 'HealthySnackProject', 'DanceClassInstructionalSupplies', 'BasketballNetsformyDeservingSchool.', 'HoorayforNewNapMats!', 'FitforLife', 'Recess!TimetogetmovinginKindergarten!', '#1SecretsonAnimalFairCircuitBoards', '2ndGradeGeniusesEVERYHour!', 'CoffeeHouseBookTalks', 'IndoorRecess?Let'sDanceOurHeartsOut!', 'STEMinginto3rdgrade!', 'ReadAllaboutit!!!', 'Wow...NowIseeit!!!', 'EngineeringOurWaytotheTop', 'JamesTownComestoLifeThroughLiterature', 'MagneticLettersforWordStudy!', 'FuelOurFitness', 'MoreThanJustACarpet!', 'Osmo-tasticLearningOnOurIpad!', 'FlexibleSeatingforFlexibleMinds!', 'BetterBooksforBetterReaders!', 'ShapingSandinPreK3!', 'FunBooksinOurLittleHands!', 'SavePaper...UseIndividualDryEraseBoards', 'PrivacyFolders', 'ThirdGradersLoveTechnology!', 'TalesofaFourthGrade...SOMETHING!', 'ReadingandLounge', 'HittingitHard!\\r\\nAPercussionist'sInstruments', 'HelpMyKindergartenStudents', 'ChargingUpfor21stCenturyLearning!', 'HelpSupportIndividualizedDailyReadinginRoom107!', 'SpecialEducationClassroom!', 'PlayingWithPurpose;DiscoveringtheWorldThroughPlay', 'MakingReadingMatter:BuildingaHighQualityClassroomLibrary', 'CarpetsandStorageandPocketCharts', 'Growingplantsinbiology', 'ComfortZone', 'SupportInstruction', 'RaiseAchievement', 'andInspireLearning!', 'MindfulBodiesSucceed', 'LettheFunBegin', 'Hearabookaday', 'wewillreadrightaway!', 'BringingtheRealWorldintotheClassroom', 'FlexibleSeatingForFlexibleMinds!', 'StepbyStep', 'DaybyDay!!!', 'STEMitup!!!', 'GettingCreativeintheSewingClassroom', 'StimulatingLittleMindswithNonfictionTexts', 'HelpingStudentsLearnToLoveReading!', 'PleaseHelpCreateAWelcoming', 'Warm', '_CreativeMaker'sSpace.', 'UniqueSeatingforUniqueStudents', 'BacktotheBasics', 'TechnologyfortheClassof2028!', 'GraphicNovelsforGreatReaders!', 'DryingArtworktoPerfection', 'GettingUpCloseandPersonalWithReadingandWriting', 'ReadingComfortably', 'What?I'mGoingTeachFirstGrade?!!', 'PromotingPurposefulPlay!', 'ArtTherapythroughMeditation', 'It'sINMyBACKPACK!', 'LegosforHistory:Displayingmovements', 'scenes', 'andeventswithlegos.', 'PersonalizedLearningTools', 'AcceleratingwithAcceleratedMath!', 'SingItReadIt!PlayItSayIt!', 'ChoosingaSeatThat'sBestforMe', 'PaintingWithaPurpose', 'Interactivetechnologyforinteractivestudents!', 'AnchorsAway:IndependentLogicLearningActivities', 'Aid...oftheOfVisualKind', 'ListenandLearn!', 'Wewilldream', 'design', 'andMAKEmachinesbasedonArduinos.', 'ThreeDimensionalStories', 'FirstArcheryTeam', 'AntsinYourPants;theSolution:Target!', 'FlexibleLearningtoSuitAll!', 'TechnologyintheResourceRoom', 'ListenUp!WeNeedHeadphones!', 'SoccerGearfortheYear', 'WeCanReadenEspañol!', 'CricuttoSupportCreativity!\\r\\n', 'ReadingEveryDayCounts!', 'KeyYouSeeWillBe3D!', 'LifeLines:PoetryforTeens', 'OnSamePage', 'literally.', 'Let'stargetthealthandwellnesswithHokki', 'SolarPowerTowardEnvironmentalSustainability',

'WIPEOUT', 'WANTED!!\r\nNewClassroomLibrary!!!', 'BringingArttoLifeinPhysicalEducation', 'iLearnwithiPads!', 'Charcoal', 'Acrylic', 'WatercolorsandBooks', 'MakerSpace+Creativity-OhMy!', 'ComeFindaSeatandSitforaSpell!', 'WiggleandWobble:AnAlternativeSeatingProject!', 'AppleTVforKinderstoSee!', 'ExcitingMathCenters', 'Technolo- Teach!UsingTechnologytoLearnintheModernWorld!', 'TechnologyTimesTwo...OhLearningWeWillDo!', 'ReadAboutCurrentEventsWithScholasticNewsAndScienceSpin!', 'FirstGradersCanCodeToo!', 'Promotingamazingclassroomdiscussions!', 'Books!Books!Books!', 'NewBooks!ALibraryRefreshForOurClassroom.', 'GoodVibrations!VisualizingSciencewithArtistBooksand\r\nZines\r\n', 'NanakuliFootballOffseasonTrainingPart3', 'KeepusReading:GraphicNovels!', 'BookWorm!', 'FoundationalFluencySkillsareKeyforFluentReaders!', 'TECHNOLOGY\r\nKidsCreateandDesign!!!', '\\\"QuietTime\\\"Materials', 'HealthyBodies...HealthyMinds!', 'PositiveandProductiveMembersofSociety', 'Extra!Extra!WeNeedtoPrint', 'It'swaytoohotinhere!', 'IndividualizedLearningThroughTechnology-Headphones', 'ReadinginthePresentbutfortheFuture', 'Carter'sMakerFair', 'FinancialLiteracyThroughTechnology', 'KindergartenersinNeedofTechnology', 'ChromeBooksForMySecondGraders!', 'PrintYourFuture', 'DevelopBiliteracySkills', 'ReadingintheSun', 'TodayTechiesTomorrowtheWorld', 'MathGames', 'FortheLoveofReading!', 'Wide-ScreenChromebooksforStudentsWithVisualImpairments', 'H2OBottleFillingStation!', 'LearningThroughAnimals!', 'Creatingasafespace', 'NewLightBoxesforArtClass!', 'HelpmyStudentsGetBiologySupplies!', 'ChromebooksforClever', 'Complex', 'andCreativeWriting', '21stCenturyFlexSpaceRug_Stools', 'ShiningKnightTesters!', 'Makerspace:Science', 'Art_MathematicsLab', 'Who', 'What', 'When', 'Where', 'How?', 'Fitbits', 'HealthySnacks', 'andNutritionJournals', 'FillingOurKitsforKindergarten', 'SandandWaterTable', 'StrikeUptheBand!', 'WeNeedCalculators!', 'CreatingArtThroughNarratives', 'FlexibleSeatingtoLearn', 'LifeLongLearners!', 'TuesdayLunchtimeBookClub', 'PlacesYouCanGoWithAGoodBook!', 'BringingtheWorldAroundUsIntoOurClassroom!', 'StudentComputerStations', 'Creating\\\"SuperLearners\\\"ThroughSuperLiteracyActivities', '21stCenturyHereWeCome!', 'KeepitTogetherY'all', 'WobbleStoolsNeededforWood'sWigglyKindergartenStudents', 'WiggleIntoLearning', 'EverydayEverything!', 'SensoryToolsforAllLearners', 'YogaMats', 'BallChairs', 'andMovement...OhMy!', 'InfusingHistoryandArt!', 'YouTalkin'toMe? Assistivecommunicationtechnology', 'ReadingFictionBooksandNon-FictionMagazines', 'ColorPrinter:NeededforKindergartenLearning', 'BouncingandSpinningOurWaytoSuccess!', 'Hiphiphoooray', 'readfordays!', 'EncouragingLanguageDevelopmentinourFutureLeaders', 'Notingalltheimportantthings!', 'WhyIt'sNotAllAboutMe', 'How'boutagameofHANDBALL?!', 'PositiveEffectofTechnology', 'ClassroomLibraryforKindergarten!', 'Chromebooksneeded!!!', 'ShelvesForIndependentReadingLibrary', 'iPadsforLearning!', 'OrffInstrumentsforK-8StudentsNeeded!', 'LearninginColor', 'HelpourclassWONDERtogether!', 'BookTubsPlease!', 'ADayintheLifeofaFifthGrader', 'Cleanthreads', 'MoreSolutionswithOsmo', 'iPadMinisforEnrichedLearning', 'Let'sbounceintolearning!', 'OrganizationforLife!', 'TechnologyTakesUstotheNextLevel', 'LaptopsforArt!', 'BreakingThroughWallsofTechnology', 'KeepKidsHealthyandActive', 'HeadphonesHelpUsLearn', 'YoungStructuralEngineersintheMaking', 'Science_Crafts!', 'TechnologytoEngageLearners', 'ILiketoReadandMoveit', 'InkPensforIncredibleArtists', 'GetFitandBeActiveinthePrimaryClassroom!', '2iPadmini'stohelpsupportstudentsIEPgoals!', 'HelpLiteracyComeToLifeInOurClassroom', 'GraphicnovelsforBookClubdevouring!', 'MyWigglyStudentsNeedSeatsTheyCanWiggleIn!', 'Starry', 'StarryNights:AnEarthandSpaceOdyssey', 'ReplenishingOurNeeds', 'EyeontheTigerinHollywood...', 'Ms.Jordan'sSmartyAnts', 'GreatBookDiscovery!', 'ReadingIsFunForEveryone', 'OMG...ScootersforExercise!', 'AndTheyAllCameTumblingDown!', 'ListeningtoBecomingaBetterReader', 'WhackIt!BeatIt!MakingMusicComeAlive!', 'FitnessCanBeFun', 'AniPadforMr.T'sstudents!', 'Posture-Pro motingExerciseBallsforChorus', 'HelpingOneChildataTime', 'CreativeStudentsNeedArtSupplies', 'iPadsforEnrichment', 'LabCoatReady!', 'ReadyWriters', 'SAVEOURKNEESINVOLLEYBALL', 'AFullBellyCanMakeaWorldofaDifference!', 'APS/CLLGROW-CollegeandCareerPrepThroughMakerspaceLab', 'ClassroomRecorders', 'CanIwriteonit?', 'Everyone', 'COMFORTABLE', 'CREATIVE', 'andCOLLABORATIVECLASSROOM!', 'WobbleStoolsfortheARTroom!', 'TechnologyFor21stCenturyLearningandDifferentiation', 'FunkyForensics!', 'ALittleLearningFun!', 'K alimba?Mbira?ThumbPiano?Yes!AndPerfectForMusicalKids!', 'CalculatorstoMultiplyMyStudentsLearning!', 'Y07isReadytoL.E.A.R.N!', 'StorageandLearningGames', 'GettingGraphicWithReading!', 'FarmingforKnowledge', 'DiffusionOurWayThroughSTEM', 'Let'sExploreOurEnvironmentsWithTechnologyandHands-OnFun!', 'TechnologytotheRescue', 'GotInk?', 'C ookingUpSomeFun!', 'YoungScientists!', 'Tablets+Daily5=TONSofFUNandLEARNING!', 'ApplesAren'tJustForTeachers!', 'NeedHeadphonestoListentoAudiobooks', 'SuccessfulSpellers', 'SuitUsUp', 'HelpUsReadAll15SunshineStateYoungReaderBooks!', 'WeNeedaStimulatingLibraryEnvironment!', '\\\"Exercise', 'Excitement', 'andScooters:OhMy!\\\"', 'We'vegotreadinginthebag!', 'LettersandNumbersToday', 'WritersandMathematiciansFortheFuture', 'Cla ssroomSetofChromebooks', 'OrganizedatOurSeats', 'CoffeeShopReadinginthe6thGrade', 'NewDeskstoHelpUsFocus!', 'ActiveKidsEqualsHappyFocusedStudents', 'NVMIDronesFlorida', 'Let'sMeetOurReadingGoals!', 'IgnitingtheLoveforReading', 'HealthyBodiesandHydratedBodiesinKindergarten!', 'TargetHealthySnacks(Part2)', 'FlexibleSeatingForAll!', 'IPadMiniForDiverseLearners!', 'Ms.KathrynHeadstoSpecialEducation!', 'Ke epCalmandBeanBagOn!', 'CalmingCorner', 'SportsMatter-HelpUsCross-CountryRunSafely!', 'BacktoBasics!!!', 'STEMInPrimaryClassroom', 'WithWordsandArt', 'aGreatWaytoRead!', 'AdoptedBooksSeekingPermanentPlacetoCallHome.', 'OurBackpacksNeedaMobileHome!', 'AListeningCenterforSpecialReaders', 'RockandRead-AllDayLong!', 'Art_GamesWithFractions_Geometry', 'FlexibleClassroomSeating_StorageOrganization', 'BackpacksAreEssential!', 'ShelvesandTubsforLearningStations', 'OsmoCreativeSet', 'HelpusSTEAMintoScience.', 'ChromebooksUsedinManyWaysEveryDay!', 'LegosforLearning!', 'Technologytohelpussoar!AprojectbyMs.Lucas', 'WhoSaysBoogieBoardsAreJustforSurfing?!',

'ChairMatesInspireOrganizationforSuccess!', 'TakeANumber', 'MeetingDevelopmentalMilestones!', 'Art isSnappy!', 'ScienceNeedsTechno', 'ExploringThroughTechnology', 'ReachingEarlyReaders', 'LiteracyforLife', 'DevelopingaCultureofScientificInvestigation', 'PeeWeeiPadders', 'StudentsSeeingaNeed!', 'Grade3BookClubBooks!\r\n', 'GrowingasInnovatorsWithHands-OnLearning', 'Safe', 'comfortable', 'andreadytolearn.', 'iPadsforEagerIndividuals', 'Creatingabetterworld', 'onechildatime', 'KeepReadingFUN!', 'WeNeedGuitars!!!!', 'SoccerTeam', 'Ahhhh!!Goosebumps!!!!', 'Wearelearningandgrowingtogether!', 'LiteratureandArt!', 'PreschoolPicasso's', 'LearningWiththeArtsInMind!!!!', 'RugbyTeachesCollaboration', 'Mini-MindsNeedaniPadMiniforMaximumMeans', 'MathWizardsNeedTraining!', 'Introtocomputersforspecialneedsstudents!', 'PictureBookstoEncourageKidstoThinkTechnologically', 'PreKWobble', 'Move_Learn', 'StabilityBallsforStudentCenteredSeating!', 'BrainMovementWithBikeDesks.', 'ReaditandWatchit!', 'StudentsUseTechnology:Think', 'Speak', 'Show_Listen', 'ChromebooksfortheClassroom:TechnologyIntegration', 'LaxisSTILLLife!', 'RootedinReadinginSecondGrade!', 'EngineersoftheFutureResearchingConcepts', 'RebuildingOurCenters!', 'LeapingintoLearning', 'NewTechnologyforOurStudents'GrowingMinds!!!!', 'GeometryandtheArts:SuppliesforaSuccessfullyROUNDEDStudent', 'SnacksandStuff', 'OfferingChoices-BothIndoorsandOutside', 'Won'tThey', 'OrwellThey?', 'WeNeedIconicPropsandCostumesforOurUpcomingProductions', 'ThirdGradeWritingMachines!', 'Anapple\solutelygreatdaytokeepliteracytherightway', 'ColorRun', 'StrategiesofTeamworkThroughVolleyball', 'FreeOurCreativity!!!!', 'VocabularyknowledgeisPOWER!', 'ChromebooksNeeded!', 'FidgetingonthePathtoSuccess', 'BoogieBoardMath', 'ChromebooksforChange', 'Books_MoreBooks', 'WeWanttoMove', 'Exploringwithscience', 'math', 'artandmore!', 'Ms.Martinez'sArtSuppliesNeedsReplenishment', 'GiftofLiteracyforDyslexicLearners!', 'STMathforMe!', 'DailyNeedsForLearning', 'PortableTechnology!!!', 'HelpUsReachOurGoalsUsingTechnology', 'STEMAndSTEAMintoNewYear', 'CapturingLearningthroughQRCodes', 'DocumentCameraandSeatingforActiveLearners', 'OrganizationPromotesIndependence', 'LearningHealthyEatingWhileUsingActiveSeating!', 'PhotographyEquipmentforJournalismStudents!', 'ProgrammingDigitalDisplays', 'LearningThroughOurSenses!', 'BouncingtoBetterGrades', 'StudentCenterCommunities!', '3DPrintingToTransformMathIntoSTEM', 'MovintoLearnPart2!', 'andLearnin2ndGrade!', 'ScientificInquiryinHerpetology', 'DBQWordProcessor', 'FlexibleSeatingforEngagedLearners!', 'SuperbSuppliesforSuperScholars!', 'ScienceontheGo!', 'Gettingthewigglesout.', 'BuildingBlockstoLearning', 'AcademicWordsGoneCrazy!', 'KindleFirestoDifferentiateInstruction!', 'TotheRug...AndBeyond!', 'SuperSunshineReaders', 'PuttingOurBestFootForward', 'iPadforHistory:\r\nAlmostAsGoodAsATimeMachine', 'Coordination', 'andCardio-OhMy! (WellnessThroughMusic)', 'TechnologySavvyStudents', 'WeWantto\r\nShineLikeOurChromebooks!', 'RoaringReaders', 'TechnologyEnhancesOurWorld', 'ChromebooksSoWeCanRead', 'WriteandShareTogether', 'GraphicNovels:NewRage!', 'BigBooksMakesforBigGrowth!', 'BlendedLearning2.0', '\sShred\sYourWorriesandYourPapers!', 'Let'sdotheHokkiPokki!', 'Osmo:ConnectingTechnologyandHands-onLearning!', 'AllHandsonDeck!', 'SewMuchtoDo!', 'Playagamewithme!', 'PaperforourProjects', 'MakingE-StudentsintheDigitalAge', 'MyGrowingKinderGarden', 'ARTMAKESMESMART!', 'HelpUsBurythePurpleProjector!!!', 'What'saBookClubWithoutBooks?!', 'Pollock', 'DaVinci', 'andWarholneedaprinter!', '\sACarpettoBringusTogether\s', 'GamingGang'sGames', 'BuildingMath_EngineeringSkillsintheClassroom', 'TECHSAVYSCOLARS', 'NewSensoryFriendlyRugforSpecialEducationPreschoolClassroom', 'EngageandInspireKidsWithComputers', 'StoolSitting=Focused+Attentive', 'WeLoveHands-onLiteracy!', 'MusicStandCartforaGrowingClass.', 'College-PrepEnglishClassNeedsaDellChromebook', 'ArtPlusMathEqualsInteractiveNotebooks', 'ChromebooksforKidstoCodeandMeetCommonCoreStandards', 'Books!', 'ScienceResourcesfor5thgradeScientists!', 'HelpHaveMyStudents\sBack\sWith\s\r\nNewBackpacks!', 'LifeThroughLiteracyinFifthGrade!', 'WobbleandBalanceWhileLearning!', 'EnticingBooksforAllReaders', 'BOOKingOurSchedules...WithReading!', 'ShiningWithChrome!', 'LearningWithLanguageTools', 'DragonfliesGoingGoogly', 'ComfyReadingCorner', 'ThinkingLikeaScientist', 'LanguageArtsLearningStations', 'MusicMatters', 'Don'tPassThisShottoHelpStudentsReachTheirGoal!', 'CombatingDestructionThroughConstruction', 'AniPadforourOsmo', 'BookBinsformylittleReaders', 'OsmoWonderKitsfor2D', 'Studentslearnstrategicthinkingthroughchessgame.', 'SeatSavedforLearning!', 'I\sPADDING\sSTUDENTLEARNINGWITHTECHNOLOGY', 'HelpMyFloodedClassroom', 'GoodBooksforRisingReaders', 'CreatingTHEMOSTeffectiveArtclassroomformystudents!', 'Chromebooksfor21stCenturyKindergartenClass', 'BallChairstotheRescue!', 'TechnologyForEarlyChildhoodEducators!', 'MeasuringUp!', 'MakingConnectionsWithChromebooks', 'Technologyin2ndGrade!!!', 'HelpEnhancetheTechnologyintheResourceRoom', 'ServingRaspberryPitoTechnologyHungryFutureEngineers@O-High', 'ChairOrganizing', 'BuildinganEfficientClassroom', 'CleaningandArtMaking', 'WeareAllOne:AJourneyintoMulticulturalLiterature', 'StudentsExploreLocalWetland', 'Found:HighInterestArticles!', 'Learningaboutourworldthroughdramaticplay.', 'ShallWeTangoes?\r\n', 'ClassroomSuppliesforClass#213!', '\sGivingstudentschoicethroughbookstomakereadingmeaningful\s', 'NewBooks+EagerReaders=SUCCESS!', 'STEAMArtandRobotics', 'FidgetOrFocus/CreatingStudentSuccess', 'CalmingAreaActivities', 'AdventuresinLiteracy:CreatingaChild-FriendlyEnvironment', 'WeNeedSomeMoreStorageSpaceInOurArtRoom.', 'BridgingOurClassroomTechnology', 'ScienceMaterialsforPre-K', 'WobblingOurWaytoSuccess', 'MonogramsandMore!', 'LastPaintingOfirElementaryYears', 'CapturingStudents'ImaginationsthroughReading_Technology!', 'Ready...Set...BlastOfftoHands-onLearning!', 'TabletsforMathLearningandApplication', 'RockingReviewWithRobots!', 'Where'sMyPaper?Where'sMyBook???', 'aKeyThatOpensDoorstoStudentSuccess', 'CleaninguptheArtRoom!', 'SchoolSuppliesforaGreatStart', 'OrganizeOurCenters', 'ChromebooksintheMathClassroom!', 'TechyKindergarteners!', 'SenseThis:CalmtheBodyandStimulatetheMind!', 'Hands-On',

'BrainsOn!Aprojectdesignedtoengagestudents.', 'FabulousListeningLibrary',
 'EaselsHelpSmallGroupInstruction!', 'WeNEEDnewreadingbooks', 'GotWiggles?',
 'CleanWater...CleanLiving!', 'HelpTouchaYoungMind!', 'TinkeringforCriticalThinking',
 'SuppliesfortheSweetiesofRoom7', 'GoingBattyinLiterature_Science!', 'ColorFirstandthenGlueit', 'Ta
 ppingIntoYourPotentialWithaTouchscreenLaptop!', 'OperationFood_Toiletries',
 'FirstGradeneedsTECHNOLOGY:Chromebooks!', 'AllWeNeedIsThatComfyFeeling!',
 'AccessingReadingatMYLearningLevelMakesMEBloom!', 'MusicStandDolly!!',
 'ChromebookLockandChargeCarts!', 'DailyPracticeandCozySeats!',
 'LightingthePathtoScientificKnowledge!', 'WeWillSucceed!', 'ChromebooksforLearning',
 "MissPuca'sFirstGradeFishesNeedaLearningCarpet!", 'MusicMatters!',
 'HelpingOurStudentsReachfortheStars', 'LeapingFromPageToStage:\\r\\nScriptwritinginat\\r\\n', 'W
 obblyScienceLearningWithWobbleChairs', 'iMove', 'iDance', 'iExercise', 'iFit',
 "iDon'tSitwithaniPad!", 'BeyondtheWalls\\r\\niPadstoHelpUsSoar',
 'SEAWhatWeCanLearnWhenWeAreComfortable!', 'FlexibleSeating-
 Sometimes\\"SITDOWN\\"isn'tagoodoption!', 'FlexibleSeatingforFantasticStudents', 'AWorkofHeart',
 'Fresh', 'CleanandSafe!', 'PuttingTechnologyintheHandsof1stGradeLearners!',
 'BuddingInvestorsandSavers', 'ClassroomTechnology', 'JumpRopes', 'BallsandStorageohmy!',
 'AnAppleforthestudentwill surelydothetrick!', 'WeWanttoLearn!', '8thGradeClassroomLibrary',
 'GlassIsWhatItIsAllAbout!', 'SocialStudiesandScienceinSpecialEducation',
 'CommunityBuildingontheCommunityCarpet', 'WiggleRoom:UsingFlexibleSeatingforLittlePeople',
 'TechnologyEmpowers', 'ExpandingOurUnderstandingoftheWorldWithTechnology',
 "LearningCan'tbeBeataonaFlexibleSeat!", 'ElectricityinElgin', 'SeatsandStoriesforStellarStudents',
 'wewantyoutohelpuslearn!', 'TechnologyandSuccess!', 'GoingGoogleWithChromebooks!2',
 'MathNumberSense', 'KeepingUpWiththeTechnology!', '3DoodlerforDIKids', 'SunshineonaCloudyDay',
 'ReadingTableRocks', 'B.E.A.R:BeExcitedAboutReading', 'BringElmoToUs', 'CenteredAroundiPad's', 'Ma
 kingMathMemorable!', 'KeeptheCreativity_CultureComing!', 'ChromingOurWaytoSuccess', 'andMoreArt!',
 'FullBellies=FullBrains!', 'FinishingUpinFirstGrade!', 'IfYouCanSeeItYouCanHaveIt',
 'BacktotheDrawing(DryErase)Board', 'MakeOurClassroomLibraryGrrreat!',
 'ListeningisanImportantSkill', 'SuppliesforScienceExperimentationandOrganization',
 'AQuietRetreatIntoAnotherWorld', 'ExerciseYourComputerFitness', 'TechnologyMasters',
 'PuttheA(rt)inSTEAM!', 'SensationalSensoryRegulation', 'FlexibleseatingforEnglish_Reading!', 'Allk
 idswantthechancetoHulaHoop', 'TechnoNeedsforaVibrantLearningEnvironment!',
 'KeepingSecondGradersonTargetforGoodHealth', 'FlexibleSeatingforOptimalLearning',
 'BouncyBandsforBouncyKids', 'AroundtheWorldandOurClassroomonaNewRug',
 'TogetherWeCanChangetheLearningLandscape', 'ReadingIt', 'ApplyingIt', 'UnderstandingIt!',
 'TechforRoom7!', 'HealthyBelly=HealthyMind', 'FitFirstGraders!',
 'ReadingandResearchwithKindleFires', 'ExploreThis_BuildThat',
 'ClassroomTablesandChairsFitforFirstGrade!', 'LearninginMotion!', 'HatsOfftoaJobWellDone!',
 "Ms.Jones'wigglingminds!", 'WeAreAllPartofaCommunity', 'HoppingInToANewYear!',
 'MiddleSchoolMakerspaceforSTEAM!', 'PROMOTEREADINGWHILELEARNINGABOUTLIFESKILLS',
 'LetUsBuildOurCreations!', 'ListeningtoOurFavoriteBooks', 'OrganizationisEssentialtoSuccess!',
 'MathIsFunWithSpheros!', 'FlexibleSeatingforaFidgetFriendlyClassroom', 'STEMToysforGeniusGirls', '
 KillHomeEnergyWaste', 'BringingBlackHistorytoLife!', 'LifelongreadersstartinginKindergarten.',
 'WinterLiteracyandArtExhibit!', 'HelpUsLoveReading!', 'EngagingStudents', 'DidYouHear?
 LittleEarsNeedaListeningCenter', 'WobblingandWorking!', 'MovementMakesMyMindStrong',
 'SomeLateBreakingNewsNeedingtobeCapturedonCamera', 'StandUp!', 'CommunityofReaders',
 'ExploringOurWorld', 'It'sAllAbouttheBooks!', 'BuildingProblemSolvingSkills', 'TeachMeHowtoTech',
 'CreatingaInvitingandInnovativeLibraryinPre-K', 'Tech-SavvyArts-Integration',
 'BouncingAlongasWeLearn!', 'Welearnbyshowingourworkvisually!', 'GirlRunners!GirlPower!',
 'R.I.P.OldPencilSharpener', 'FlexibleSeating:\\r\\nIfYouSeatThem', 'TheyCanLearn!!!',
 'MakerspaceAdditions', 'InspireSummerReading!', 'SketchbooksforYoungArtists!', 'E-
 BookClub\\r\\nMakingReadingStudentFriendly', 'BuildingStrongReading_WritingLiteracyin2nd',
 'STEMLearning!', 'onlywaytoLEARNmathematicsisstoDomathematics.', 'TechTools',
 'ComfortwithBooksandConversation', 'ScienceandTechnologyeveryday!',
 'HealthySnackstoTeachHealthyEating', 'LiteraturetoSupportOurSocialEmotionalLearning',
 'InvestigatingScienceWorld!', 'KeepingUponCurrentEvents', 'TargetMovementwithHokkiStools',
 'WANTED!!ChapterBooks', 'M_M'sandZombies:ExploringExponentialFunctions",
 'AddingSomeSugartoanAlreadySWEETClassroom', 'PuttingourSpecialEducationClassinthe21stCentury!!', '
 NoMoreScreenTime!', 'PhysicalEducationtherightway.', 'TechnologyforVisualLearners',
 'FlexibleSeatingForMyKinders!', 'Fantastic', 'Literacy_Learning!', "Let'sGetGraphing!",
 'BoardGamestoEncourageSocialInteraction', 'SupplyDrive', 'SuppliesToUse!',
 'AlookatracerelationsinAmerica\\r\\n', 'FoodforHealthyLearning',
 'AccessGranted:ExposuretotheWorldatLarge', 'WriteRight!ToolsforEverydayUse',
 'GettingOurHandsonReading', 'Work', 'Work!WeWanttoWorkandWiggle!', 'GoogleExpeditions',
 'TapIntoYourSenses', 'FitnessCenter', 'HearingandLearningSounds', 'HaveaHeartfortheKids!',
 'Cleaninstrumentskeepmusickidshealthy!', 'Learning:It'sBetterWithFunandGames!',
 'Moregoodbooksforabettercause', 'FlexibleSeatingina21stCenturyClassroom', 'AnchorourLearning',
 'EasyAccesstoSuccess', 'ScholarsStayingOrganized!', 'HelpUsWobbletoStayonTarget!',
 'HelpHatchBabyChickswithRoom103!', 'Let'sDeutschItToNextLevel', 'WeAreCharged',
 'SecureandReadytoLearn!', 'TechnologyisFuture!', 'CommunicatingWithColor',
 'Wanted!SchoolSupplies', 'OnceUponaTime...PartII', 'RebuildingOurClassroomAfterFlooding',
 'ArtRoomNeedsaDryingRack!', 'WeAreWritersandPuppeteers!', 'WhiteBoardsandErasers',
 'WeNeedSound!!', 'LighttheFireWithin', 'FlexibleSeatsforFlexibleKids',
 'SuppliesNeededtoBeSuccessful!', 'FosteringaLOVEofREADING-ATPEMember', 'NurturingSTEMSkills', 'Let
 OurTrueColorsShine!', 'SuperstarsaspiretobecomeSuperReaders!', 'HelpUsReadandHearBetter!',
 'ProjecttoConnect', 'ComeFlyWithUs!', 'FullSTEAMAheadWith\\r\\nLittleBitsStudentSets!',
 'PhysicalApp-ucation', '#Bulldogstrong#Hygiene\\r\\n#Growth#Pride\\r\\n#LifeSkills',

'MoWillingsToSuccess!', 'WobblingToSuccess!', 'ReadingIsFundamental!', 'BeltsofAllSizes', 'STEAM/STEM:RobotsandCoding', 'Let'sNotLetWigglesGetintheWayofLearning!', 'MakeOurFirstGradeDreamComeTrue!', 'FITTODAYFITTOMORROW!', 'LearningtoCodewithOsmoCodingSets!', 'JusttheBasics!', 'GooglingScience', 'Helpusexpandourlearningwithtablets!', 'HelpATPETeacherBuildStrongReaders!', 'WiggleThoseWagglesAway', 'Science!Science!Science!', 'SproutCubbiesusedtogrowgoodthinking!', 'MindfulnessToolsforSelfRegulation\\r\\nintheClassroom', '\\\"YouGuysMadeMeInk!\\\"', 'FlexibleSeatingandFlexibleLearning', 'SensorySupportsforExceptionalStudents!', 'KINDLEFIRESCEIENCECLASSROOMLEARNING', 'NextStop', 'STEMStation', 'KidInspired', 'PhysicalMovementInGeneralEducationRoom', 'APBIOLOGYatMadison', 'year3', 'TeachingStudentstoRegulateandEmpowerThemselves', 'CanYouHelpUsLearnatSchool?', 'Booksforyoungreaders', 'Learning (andPlaying) WithWords', 'We'reRollinginP.E.!', 'Learnit!Createit!Shareit!', 'FirstGraderReadingExplorers', 'GoingingAdventuresThroughBooksatourListeningCenter', 'BouncingBackToLearning\\r\\n', 'Building21stCenturySkillsWithTablets!', 'DotheWobble!', 'HearYe!Hear!WeNeedTechnology!!!', 'GiveustheOpportunitytoprintandcreateColorpictures.', 'IpadforKinders', 'BlastOffWiththeBasics!', 'Dancetocreateabettertomorrow!', 'InteractiveandTechnologybasedforScholars', 'HandonMathConcepts', 'Itallmakesense!\\r\\n (SensoryinputintheClassroom)', 'ClassroomFurnitureandSuppliestoMotivateModernLearners', 'NEWFICTIONANDTEXTS', 'SchoolFamilySafeZone', 'PartitionWallsforLearning', '5thDimension', 'OpeningUpAWorldOfPossibilities', 'WiggleandLearn', 'StudentCenteredClassroomsThroughFlexibleSeating', 'InternetInnovators', 'ThirdGradeRockstarsinDrasticNeedofiPadMinis!', 'WritinginKinder!', 'AllHandsOnDeck!LearningThroughPlay', 'WeWouldSureBeGladtoHaveaniPad!', 'LearningToSitIsCrucialtoLearningandAttention', 'LetMeShowYouWhatIKnowWithPlay-Doh', 'CreativeMindsandVirtualRealityCollide', 'DiscoverMe', 'CollaborationStation', 'NewTechnologyforNewKinders', 'CodingintheMediaCenter', 'HowMuchWoodCouldaWoodchuckChuck....????', 'SingMeaStory!', 'FuntodoFractions', 'ChargeUsUp!', 'AutismandiPads:ARoomFullOfUniqueLearners', 'SupplyingStudentsWithSuccess', 'FlippedSeatsClassroomAdventures', 'GoProForBetterAir', 'Organizationiskey!', 'LearningDigitalLiteracyThroughCodingandProgramming!', 'SuppliesforAll!', 'MultimediaArtists:GrowthMindsetPortfolios', 'GettingOurDancingGroove', 'LettheBeatGoOn!', 'ComingTogethertoMakeTreble', 'HeadphonesforTestingSuccess', 'HotDotPenstoCompleteourFUNReadingLibrary!', 'HydrateOurBody', 'FuelOurMind', 'StandingUptoLearn', 'DoubledownforDigitallearning', 'PartnershipsInPE', 'Building', 'Programming', 'Robotics', 'MiniiPad'sEnhancingCustomizedLearningExperiences', 'AlternativeSeatingRoundTwo', 'ComfortableBeanbagChairsNeededStudentsToSitOn!', 'CaptivatingCommunityCenter', 'CrazyforChromebooks (PartII)', 'TechnologytoHelpUsRead', 'TakeMeOnAMathandLiteracyMagicCarpetRide', '\\\"TechSavvyStudents!\\\"', 'LittleRocketsNeedtogettotheStars!%', 'ChromebookforKinders!', 'VisualizeandOrganize', 'MovingintheClassroom', 'LiteracyLibraryLift-Off!', 'OrganizationistheKeytoSuccess!', 'Sports_MovementforLife', 'EssentialsWanted!', 'Avarietyofsportsequipmenttogetusoutside!', 'CreationMachine', 'SurfandTurf', 'Books:InspiringLearnersSince1450', 'ALaminatorforCreativeArtistswithADHDandAutism!', 'BeautifulMulti-Culturalism', 'KindersSynergizingCenters', 'TechniquesandDesigningToolsForArchitecturalLearningActivities', 'ManipulativesandClassroomOrganization!', 'BucketsofBooks-Part2', 'ChromebooksPlease!!!', 'WeStrivetobetheBest!', 'LearningTechnologicalinOrdertoBringLearningAlive', 'NeedTranslation? NoProblemo!', 'PresentationsAreImportant', 'HabitatsforYouandMe!', 'Let'sGetPhysicalandWiggleWhileWeLearn!', 'MakingtheWorldMovewithPrograming', 'ScholasticScopetoincreaseliteracy.', 'It'sMoreThanJustMusic", 'Pt.3', 'ChromebooksToRescue!', 'CreativityThroughDanceEducation_DanceTechniques', 'Readinggrouptableinlow-incomepecialeducationclass', 'Twenty-oneTwenty-firstCenturyLearners!', 'ActiveSitting', 'ActiveListening', 'ActiveLearning', 'FlocabBuildsVocab', 'Let'sPaintLiketheMasters!', 'KIDSINNEEDOFFLEXIBLESITTINGARRANGEMENTS', 'OutdoorClassroom', '3rdGradersBecoming21stCenturyLearners', 'ClarinetsNeededToStartASchoolBand!', 'HighInterestBooksRequestedbyHighAchievingStudents!', 'PedometersforOURSchool', 'Please!!!!', 'BeanEffectiveAdvocateforYourselfandYourCommunity!\\r\\n\\r\\n\\r\\n', 'ToysForACTIVEPLAY!', 'RockingandRollingtoENERGIZEOurBrains', 'Nonfiction:OpeningStudents'EyestotheWorldAroundThem", 'ChromebooksforRefugees', 'MovinandGroovin', 'CreatinganInvitingLearningSpace', 'LittleMilitaryTroopersNeedIncentivesandRewards', 'CozySpaceforaSocialEmotionalClassroom', 'TeamworkMakesetheDreamWork', 'OurStudentsRising', 'WirelessandEngagedReading', 'GoogleChromebooksBringtheWorldtoUs!Part2', 'FidgetBins/SensoryRegulationTools', 'PhysicsOfSpinningThings', '(SIMS)FutureScientistsandEngineers', 'RainbowStoolsforSchools!', 'CollegeAcceptance', 'STEAM-workMakesetheDreamWork', 'iTeach:UsingiPadstoDifferentiate', 'UniversallyDesignedClassroom', 'MoldingImaginationsWithPlayDoh', 'GeneticResearchofthePTCTraitandItsEvolutionaryImportance', 'WestHillsCommunityGardenSeedlingProject', 'Develop...\\r\\nBringingTechnologytoLife!', 'Today'sExplorers', 'TomorrowsInnovators!', 'ListenandLearn!!!', 'ColorPopsOffthePageforOurEscapeRoomActivities!', 'WonderfullyIllustratedBooksForStrugglingStudent.', 'BaseballPracticeandGameEssentials', 'Roomtosparewithapocketforachair.', 'STEM:EngineersintheMakingThroughPlay!', 'ChromebooksforCollaboration!', 'HandsinClayPartII', 'DocumentCamerasforMathDiscourseandRigorousReadAloud!', 'ProjectSensory!What'sYourStrategy?', '\\\"HERITAGES\\\"-anAmericanJourney\\r\\n\\nByME', 'ChromebooksforKinders!HelpUsCodeandRead!', 'CoreStrengthintheClassroom!', 'Let'sHelpMyStudent'sLearn!', 'FlexibleSeatinginKindergarten!', 'MarkersMakeLearningFun!', 'STEM-ingresourcesforexpandingminds!', 'SummerFun (butnotforlong)!!!!', 'MathCureStrikesAgain!', 'NewmaterialsforNorthCoveNCPKoutdoorlearning', 'ColorfulCreations', 'STEMforBrighterHorizons!', 'OneMoreBookshelftoMeetOurNeed', 'TARGETingOurLearning:InsideandOutsideoftheClassroom',

'DigitalScalesforCalculatingDensityandOtherSTEMProjects', 'Communities', 'andCurrentEvents',
'Together', 'wewillfly!', 'HoleyWalkamolie!Ms.G'sClassNEEDSPedometers(_FitnessGames)',
'MindfulMusings', 'RaiseyourIntensity', 'LakotaSoccerteam', 'StrivingtoGoBeyondtheClassroom', 'Lis
teningisabigpartofLearning!', 'ModelingGreatScience!',
'EngagingStudentsinReadingandLearninginComfort!', 'FactAboutSupplies!', 'Loveofliteracy-
comfortofhome', 'Costumesforallclasses!', 'WeNeedSuppliesForNewSchoolYear!',
'IllnessPreventionEfforts=GreaterStudentAchievement', 'GRABSYOURBALLSANDLEARN',
'HelpUsGetMoreBooksatOurLevel!', 'EmpoweringStudentsThroughCollaboration',
'Chromeyourwaythroughtechnology!', 'WobbleChairsforDifferentLearningStyles',
'EverydayLifeEssentialsNeeded', 'MakingLearningandMovementintheClassroomSafeandProductive.',
'Art_SocialStudiesGoHandInHand:SuppliesNeeded', 'DreamItthenDoIT!',
'SensationalScholarlySupplies', 'ElementaryLiteracyFair2016',
'ConstructionPaperandGlueSticksforPre-KArt', 'Stayin'Alive', 'EssentialItemsfortheWeekend',
'BuildingBrainPowerWithTechnology', 'STEMEducation:ForScience', 'andMathLovers!', 'FeelTHUNDER!',
'ShapingMindswithGeoboards!', 'ShelvesforSuccess!Independentworkstationneedssturdyshelving.',
'WhatAreWeMadeOf?', 'andBouncetoLearn!', 'WeekendMealsforHungryTeens', 'AllittakesisoneLIBRARY!',
'ThirdGradeMarathonRunners!', 'STEAMStations', 'MovetoImprove',
'BringingClassicstotheClassroom:CoveringGreatAuthorsAcrossTime', 'BasicSuppliesforArtClass',
'DyingRackforEagerArtists', 'SNAP!SnapCircuits-studentsgetachargeoutofelectricity!',
'Listening_Speaking:ImprovingOurLiteracyThroughRead180', 'BirdiesandPlants', 'It'sColdOutside!', 'FosteringLifeChange', 'TechnologyNeeded!', 'TechTimeTools', 'HeadphonesShouldn'tCauseHeadaches!',
'WiggleWhileYouWorkPart2', 'EinsteinintheMaking!', 'TechnologyStation',
'WholeBodyExercisetodevelopMuscles', 'MindandMood', 'EncouragingLearningWithGames',
'MaestrosOntheKeys', 'AFlexibleSeatCan'tBeBeat', 'TIMEisRightNow!',
'Emergency!MySecondGradersDesperatelyNeedUnderpants', 'OzobotsforHands-onCoding',
'AncientArtofCeramics', 'EngagetheBody', 'EngagetheBrain!', 'TaketheLearningHome',
'PoolinSchool!', 'GreatStart!', 'Technology:FutureofMathEducation', 'Extra!Extra!Readallaboutit!',
'Onetooneornone', 'Crayons', 'andSupplies', 'Re-KINDLELearning', 'A...A...AlphabetTubs', 'Cafe-Ins
piredClassroom', 'GetYourFeetInGame!', 'Chrome:NotJustforCars!', 'STEMProject-
RacingwiththeSun:CreatingaSolarPoweredCar', 'ComputersForLearning',
'AnEnvironmentforLiteracyLearning!', 'WaveoftheFuture', 'SizzlingSecondGradeSupplies',
'UnLOCKingStudentLearningaboutPlantMassandGrowth', 'STEMLearningin1stGrade',
'MakeClassroomReadingAuthenticandEnjoyableAgain', 'StandupforKids',
'\"WhenWeFightWeWin\"ClassSet!', 'WANTED:SchoolSupplies', 'MiddleSchoolTechno-Math',
'ChromebookCreators', 'TechnologyGivesMyStudentsaVoice!', 'iPadGrantAdd-on',
'WeLiketoCelebrateLearning!', 'OurBio-SustainableClassroom\\r\\nFromWormstoBeans',
'MakerspaceSTEMprojects-ATPE', 'Indoor/OutdoorTeamBuildingGames', 'GrowingGrowingEverywhere',
'PencilsandStaplersandPens', 'MicroscopicViewoftheWorld', 'TechnologyforAllLearningStyles',
'EconomicsInOurHandsandUnderOurFeet!', 'Let'sputsomeECONOMICEducationinourLISTENINGtime!',
'Helpusbringmathtolife!', 'RiseAboveChaosandLet'sRead!', 'NecessaryNovelforKoolKids!',
'EmpoweringYoungArtists', 'MoreChoice', 'MoreResults',
'Evolvingtoa21stCentury\\\"LearningStudio\\\"',
'FillOurLibraryShelvesandKeepMyStudentsReading(Please!)', 'KeepingScienceinStudents'Hands',
'ORGANIZINGin2ndGrade', 'NoiseLimitingHeadphonesToPromoteConcentration!',
'InnovationHourUsingOurNewMakerSpace', 'SightWordReadersNeeded',
'FlexibleSeatingforPersonalizedLearning', 'Upstanders:WorldCitizens\\r\\nWhoInspireUs',
'TechnologyforCuriousMinds', 'S.T.E.A.M.IntoLiteracyatHome', 'FitnessfortheBodyandtheBrain', 'Clip
boards', 'Bags', 'andProjectPaper...OhYes!', 'FirstGradersLearnAboutHealthyLivingThroughHands-On(a
ndLegs)Projects!', 'AreThoseAntsinYourPants?PartII!', 'PracticingActivitiesSearchingforSkills', 'B
eginningRoboticsandCodingwithDash_Dot', 'TechoKids', 'FinancialLiteracy:IndustryCertification', 'M
iniTechies', 'NoTimetoWaste-\\r\\nKidsArriveAugust11th!', 'BetterLearningwithSensoryRegulation', 'M
athSuccess!', 'MovieMagicMakesRockCycleComeToLife', 'LifeScienceGoesHomeThroughArtProjects', 'Se
atingforEveryone', 'AlternativeSeating:IfWeMustSit!', 'JEWELRYMAKINGCLUB', 'HelpUsWithOurABCs!', 'C
odingintheClassroom', 'Success....There'sAnAppForThat!', 'ReadingRelaxation', 'BooksGALORE!!!', 'i
PadsforMissG'sFirstGraders!', 'StableLearners', 'StableClassroom', 'ProperPaperPlacementProject',
'WelcometotheNewWorldof3DPrinting!', 'HelpDigitalAnimationandMathGoHand-in-Hand',
'OnTARGETtobeFITwithPEDOMETERS!', 'GoingfortheGOLD', 'ButterfliesHelpUsLearn',
'KindergartenTreasures', 'FitnessandResearchMakeaGreatTeam!',
'SHHHH!Listen...StudentsNeedHeadphonesforListeningActivities', 'Let'sPlayBall!',
'ElectricityCraze!', 'AHandsonApproachtoLiteracy', 'MicrosoftSurfaceforScienceResearchPlease!', 'R
ockN'Learn!-Part2', 'BoomboxforSpecialNeedsMusicStudents', 'RoomReDesigned...FlexibleSeating', 'Li
stenUp:AudioSuppliestoHelpUsRead', 'PleaseSeatYourself', 'HighFiveforDailyFive!',
'KincaidKeepsUsMoving!', 'OutdoorPlayforPlay60', 'WeWanttoWiggle!Wiggle!Wiggle!',
'CompostClub!WorkingwiththeF.B.I.(Fungus', 'bacteriaandinvertebrates!)', 'Books!Read!Books!', 'ACH
romebooktotheRescue', 'UsingTechnologyasHistorians', 'PleaseHelpWithBasicSupplies!',
'Let'sGetOrganizedandClean!', 'DevelopingMindandMuscleswithActiveSeating',
'TechnologyAtYourFingerTips', 'FlexibleSeatingLapDesks', 'OrganizedforPE', 'Buildingknowledge', 'f
riendship', 'andmore!', 'Playit', 'Hearit', 'Instantly!', 'BringingOurStudentsIntotheFuture',
'BrainPop', 'BrainSmart!', 'ProjectProjectorforCoding', 'AFloodCan'tWashAwayOurLearning!',
'STEMulatingMindsthroughMeasurement!', 'TechnoScientist',
'InnovativeSeatingforCreativeMindsPart3', 'DigitalScribesfortheLatestinBiologyNews',
'LibraryLearnersLovetoPlay_Create!', 'MovewithHOKKIWhileYouWork!',
'CozyCarpetandChairsMakesLearningTimeComfortable', 'andInspire!',
'WeWantToMove!!HokkiStoolsforSecondGraders', 'EncourageOurGreatChoices!', 'VIPsDeserveaVivid',
'VibrantSpacetoFeelVictorious!', 'MakeMathMatter!', 'OhRomeo', 'Romeo!WhatDidYouSay', 'Romeo?', 'A
LittleBitofThisandThat...', 'ClassonFireWithKindles', 'HelpusMOVEandLEARNinFourthGrade!',
'ReadingforaBetterTomorrow', 'PlaygroundProject--TeamworkTalks!', 'TakeTIMEtoRead',

'BackpacksforBigKids', 'TechandTeach', 'ReadingAway', 'HeadphonesforDifferentiation', 'CanIborrowaBook?', 'Canyouhelpmyspecialneedsstudentssucceedandlearn?', 'ReadAroundtheWorld', 'Hooray...NewSeatingIsonItsWay!', 'I'vegotabooboo', 'help!NewSchoolNurse', 'WeWill', 'WeWillRock2ndGrade!', 'LiteracyCirclesupplies', 'HookedonBooks\\r\\nhear', 'hold', 'see', 'read', 'GraphicNovelsforRoom174!', 'CubbiesforIndependence', 'KeepingaClean_OrganizedClassroom!', 'DanceCostumesNeeded', 'GenerationGlobalPart2', 'BuildingOurFuturewith21stCenturyLearningSkills', 'StockingtheCenters', 'FinancialLiteracyToolsforSpecialLearners!', 'CrankItUpTo\\\"11\\\"!', 'KrunchingKinderKiddos', 'Project-BasedLearningandSocial-EmotionalImprovementsfor2016-17!', 'BringingLittleBitsElectronicBuildingBlockstoOurClassroom!', 'ConnectingMusictoCultureThroughTechnology', 'SouthBronxNeedsMathTechnologyintheClassroom!', 'ComfyReadingtotheRescue!', 'IfTheyBuildIt', 'TheyWillLearn!', 'ALittleWobbleisaGoodThing!', 'BacktoSchool', 'StandorSit?FlexibleClassroomSeating', 'EqualOpportunityBooks', 'ICan'tBelieveIReadaWholeBook!', 'PoppinPancakePrintout', 'COZYCOMFYREADINGSPOt', 'OrganizingOurLeveledBooks', 'GiveOurRobotsLife!', 'iPadfortheMusicClassroom', 'KindergartenChairPockets', 'OhanaMeansFamily...WeSupportEachOther!', 'HelpMyStudentsAccessTechnologyintheClassroom', 'ExploretheWorldofReading!', 'SwitchingUpSeats', 'HealthyandHappyLittleLearners', 'WobblingOurBodies_FocusingOurMinds!', 'ReadersAreOrganized!', 'BooksWeRelateTo', 'LearningFunwithOsmo!', 'AnAppleaDayPromotesLearninginaFunWay', 'InteractiveScienceNotebooksforMillwoodArtsAcademy', 'theBooksyouwillREAD!', 'PortableTechnologyForMobileStudentsWithAutism!', 'iLoveLearningwithiPads', 'CreatingaCultureofCareThroughLoveLanguagesReading', 'VelocityVortexRobot2016', 'AudioToAddValue!', 'OrganizedReadingContent/TimewithouttheFrustration!!', 'CanYouHearitNow?', 'MeaningfulJournalWritingandCenterMaterials', 'Notechnologyin2016?Hastheworldgonemad!?', '10Prize-WinningTOONGraphicsforMiddleGrades', 'DailyFiveSupplies', 'LearningCenterstoBecomeSuccessfulMathematiciansandReaders!', 'FillingUpOurSupplyTank', 'Chromebooksfor21stCenturyLearners', 'MovingWhileWeLearn', 'SAFETYontheMove!!', 'TeamBuildingandStrategizing', 'EngagingandInteractiveTechnologyLeadstoStudentSuccess!', 'PracticingtobetheBestProblemSolversPossible', 'CreativelyLearningwithBloxels', 'HeadphonesforHeavyThinking!', 'DevelopingtheVoicesofYoungGirlsofColor', 'STEAMSculptureArt', 'AlternativeSeatingforallShapes', 'Sizes', 'EnergyLevels', 'WewantIT!ImpactTechnology!!', 'WeNeedANewKeyboard', 'SmallGroup', 'LargeGains', 'WeLoveTechnology', 'SharingShiloh'sLove', 'RestAssuredShoulderRestsandEndpinStopsHelpYoungMusicians!', 'IfYouAskItYouWillLearnIt', 'Chess:ItisMoreThanaGame!', 'ClosingtheTechnologyGapforHarlemStudentsPart1', 'FantasyBooksforAvidReaders', 'GetComfy!', 'SpeakUpForScienceSafety.', 'HOLOCAUSTHistoryResourcesNeeded!', 'BackpacksSavetheDay!', 'Basics', 'SetFIRE\\r\\nToOurRoom', 'ThroughttheEyesofaCivilandHumanRightsActivist', 'PencilstoPersevere', 'PackingTechnology', 'Namastay'FocusedandCalm', 'AdaptingtoThirdGrade!', 'PaperSorter:EssentialfortheArtRoom', 'MotivatingStudentstoHaveaVoice', 'CanWeManage?', 'ACarpetforWritingCelebrations!', 'It'sBroken', 'CanYouFitIt?', 'TurningthevolumeuponourMusicProgram', 'GettingCreativeintheArtCenter!', 'WeneedaChromebookCart', 'TablesThatBrightentheRoom_WeCanSitComfy', 'WaveoftheFutureinEducation', 'VirtualClassroomProject', 'Let'sGetThingsDone!', 'SoapandClayJewelryCraftmakingforCharity', 'WillYouPlayaGameWithMe?', 'PracticingIndependentLifeSkills', 'TeachingthroughTechnology!', 'Chickens', 'Ducks', 'andQuail', 'OhMy', 'SuppliesforDonatedViolins', 'FloodCan'tKeepUsDown!', 'MagicSpellingBoards!', 'FiredupaboutReading', 'InteractiveResourcestoEnhanceOurReadingandWriting', 'ClosingtheLearningGap', 'WhenIsayTECH', 'yousayTEACH!', 'RedesignedClassroom:SparkLearningandEmpowerStudents!', 'What'sYourLungCapacity?\\r\\n', 'Yogisforlife\\r\\n', 'WatercolorsandWriting', 'TappingIntoTechnologyandGlobalLearning', 'FlexibleSeatingfor21stCenturyLearning!', 'EngagedandColorfulLearning', 'FlexibleSeatingClassroomforMs.Nadolski'sStudents!', 'MakingaDifferenceThroughSmallGroupInstruction', 'KidneyTableforSmallGroupInteraction', 'ChromebooksWillIncreaseourMinds!!', 'Earth'sSurfaceisDynamic!', 'Stow-AwaysforOurClassroom', 'DoraShouldn'tBetheOnlyOneExploring!', 'Chromebooks:Replaced', 'Recharged', 'andReused!', 'ThinkingaboutInk', 'HeadphonesforGrowingBrains\\r\\n', 'NewRugforNewClassroom', 'InterestingandOrganizedInterventionStations', 'ProjectedtoLearn', 'ScienceandArt', 'LimitlessLibraryLearning', 'JustKeep\\\"Stemming\\\"', 'ChromebookforLiteracy', 'It'saDigitalWorld', 'AfterAll!', 'Help!WeNeedEngagingBooksfor3rdGrade!', 'iPad:BringingMusicTechnologytoBand', 'FillUpThoseBookBags!', 'Studentheadphonesforcomputeruse!', 'andListen!', 'IfYouTeachIt..TheyWillLearn', 'HelpMeImplementReadersWorkshop!', 'CreatingTechSavvyKindergartenKids!', 'iPadsMakeOurLearningGreat', 'CheerLEADERSintraining!', 'EngagingLil'mindswithclassroomsupplies', 'CreativityinLearning!', 'PassionateAboutGeniusHour!', 'TechnologyAndELA:ChromebooksareCrucialtoCreativity!', '1stGradeLISTENINGCentersaretheBEST!', 'StructureandFunctioninFirst-GradeScienceandSocialStudies', 'BooksandTechnologyforAll!', 'SheddingACreativeLightIntoScienceClassroom', 'Storytelling:EnhancingVocabularyandLanguage!', 'TranslatorGang', 'Track_FieldofDreams', 'LittleRobots...BIGIdeas!\\r\\nIntroducingStudentstoSimpleProgramming', 'GaggleOfStudentsForAGoogleClassroomOfFun!', 'MyVeryOwnMagazinetoBuildMyInterestandSkill', 'ChargedUpforMath', 'WoodwindWhirlwind!', 'StoryworkstoUnlockImagination', 'Osmo=Awesomeness!', 'BecomingEffectiveWritersandResearchersWithGoogleChromebooks', 'FourthGradeDailyScienceJournals', 'StudentCenteredLearningEnvironment', 'StayFocusedwiththeAbilitytoWiggleWhileWorking', 'ReachingGoalsthroughVisualSupport:ColorPrinter', 'Hands-OnLearning!!', 'WhataZoo!Bringinglivingcreaturestooursscienceclassroom.', 'BuildingaReferenceBookThroughInteractiveJournals', 'BreakOutandGetSomeExercise!', 'One-to-OneClassroom', 'What'sUp', 'Doc?', 'S.T.E.M.FairyTales', 'PleaseDon'tHesitate', 'TechnologyisNeededtoEducate', 'TechnologyPt2!', 'PlayingSports', 'MeltingPotFamily', 'FullSTEAMAhead\\r\\n', 'Science_MathHands-OnLearning', 'WeliketoMoveitMoveit!', 'CellModelsforVisualLearners', 'CookingNutrient-DenseFoods', 'TaffyTechies', 'AnEar-resistableApproachtoBuildingMath', 'andWritingSkills', 'REBUILDINGEDUCATIONINBATONROUGE', 'LA.', '

ActiveStudentsNeedFlexibleSeating', 'SpecialNeedsbookmakingmaterials', 'CartsforCurriculum', 'Make LearningFunWithMusic', 'Cuttin'OurOwnButton', 'LearnersLoveLaptops!\r\n', 'StudentsNeedMoreFlexibleSeatingforaStudentCenteredClassroom!', 'InstrumentWorkshop', 'BlendedLearningCarpetforSpanishImmersion!', 'Read:WordsinSight', 'Helpourclassroomgrow!', 'STEMingwithReading', 'CreatingIndividualDigitalPortfoliostoShowcaseStudents'GrowthinArt', 'SeatingforSuccess', 'AntsinOurPants!', 'OMGBooks', 'ReaderstoCreateAwesomeReaders', 'FirstAid/CPR/AEDCertification', 'TakeAStandForGoodLearning', 'ReadersGonnaRead...Non-FictionTexts!', 'ExploringEarth'sSurfaceWithSTEM', 'GettingRidofthePlastic', 'FocusedLearningThroughMovement!', 'GrowaGarden', 'GrowaMind.', 'ReadingAboutOurRoleModels!', 'Books:GiftstoOpenAgainandAgain', 'LiteracyCenter!!!', 'Pre-KNeedsNewBOOKSPlease!!!!', 'OrganizeIt!', 'ReadingWithoutBooksDoesn'tWork', 'CrotonArtVideos', 'MatterisaWeightySubject', 'EaselWritingthroughLearning!', 'HelpUsPedalOurWayTowardsSuccessfulLearning!', 'Movin'Readin'andWritin'', 'IntotheWoods', 'SortUsandOrganizeUs!', 'GettingourWigglesOut!', 'StudentCenteredLearning', 'StudentCenteredSeating', 'FreshColors!ExploringArt', 'IdeasandCommunity', 'Basket\\\"Ballers\\\"', 'differentandmotivationalclass', 'NapMatsNeededforABusyTransitionalKindergartenClass:)', 'CCP-Let'sConsume', 'CritiqueAndProduce!', 'HopIntoAnatomy!', 'APlacetoCallMyOwn', 'BooksforBabesWhoLovetoRead', 'BasketballPractice!', 'KUexposure!', 'BooksforKids', 'ClassroomSuppliesforDiverseLearners', 'ModernMusicalChairs:InnovativeSeatingin4thGrade', 'ChromebooksforPBL', 'LittleBitswithalittlebitofhelpfromyou!', 'BackpacksNeededToCarryMyBooks', 'HelpMeIntegrateTechnologyintoArt!', 'HealthySnackinginafractionworld!', 'SchoolSuppliesforHappyCries!', 'ArtResupplyatJusttheRightTime', 'PicturePerfectProjects', 'EarlyExplorers:FindingOurWayintheWorld.', 'MoreIPADSforSTEMclasses.', 'HaveNoFear', 'TechnologyisHere!', 'EngagingBooksforEagerLearners!', 'VirtualReality', 'It'sA(Field)Trip!', 'BassClarinettotheRescue!', 'HotOffthePress!', 'WeLoveApples', 'GreatGalaxies!', 'HelpUsBuildaFamilyMakerspace!', 'All-WeatherOutdoorPlayforPreschoolers', 'CreatingComfySpacesforReadingStamina', 'Neededmaterials', 'ListeningLibrary', 'SecureOurGardeningSupplies', 'CalculatorsAretheKeytoSuccessintheMathClassroom!', 'LearningandEnjoymentThroughBooks', 'ToddlerSizeClassroom', 'NeedPoetry?We'llTravel', 'PedalAlongforLearning!', 'SuperSupplies=SuperStudents!', 'LearningThroughOsmo...sis!!', 'GivetheChildWhatTheyNeedtoSucceed', 'GuitarsfortheGuitar'less!', 'BacktotheBasics!', 'ListeningEarstoSupportOurPeers', 'NewBallsForVolleyball', 'FlexibleSeatingfor21stCenturyLearners:LearningEnvironmentKidsNeed\r\n', 'WeMustComeTogether', 'BiculturalandBilingualLibraryforLatinxSpanishLanguageStudents', 'SeaKingBackpacks', 'MagicCarpetRideIntoLearning!', 'NutritionandExercisefor3rdGraders', 'LonelyChromebooksSeekingIntellectualRelationshipwithEagerStudents', 'MovingKeepsUsLearning!', 'AtachingEasel;HeartofOurClassroom!', 'HeadphonesforGoodListening!', 'HelpWeHavetheWiggles!', 'GettingActiveAroundtheWorld', 'Ahh!Bookworms!', 'LearningEnglishWithTechnology', 'CountingMoneywithTechnology!', 'KindergartenHomeScientists', 'LetOurBrain'sUseTechnologyatIt'sFinest', 'Ipad', 'Iplay', 'Ilearn', 'ProjectRead', 'BacktoSchoolSuppliesforeveryone2016-2017!', 'Helpthemenhancetheirbilingualskills!', 'RoomforScience', 'ATailoredLearningEnvironment', 'ActiveatAllAges', 'DramaticPlayforPre-K!', 'PicturesandStoriesMakeOurDayRunSmoothly!', 'LearningAboutFinancialLiteracy!', 'StagePiano', 'WeAre\\\"O-Fishely\\\"ReadyforKindergarten!!!!', 'DrawingConclusionsAboutPoetryandFiction', 'TakingaStandforKnowledge!', 'BouncingforLiteracy!', 'KindergartenTabletsforreadingandmathfunandgrowth!', 'Sadlibrary', 'needsmorebooks.', 'Whatareyousnaringat?', 'ChromebooksforHomework...OhMy!', 'MusicClassfun!', 'ChromebooksforMrs.Atkinson'sClass!', 'KinestheticWritingforMyKinders!', 'You'veGottaFight...ForYourRights', 'AnEntrepreneurialApproachtoFinancialLiteracy!', 'Books/LibrosforYoungReaders', 'GirlsEmpowermentthroughMovement', 'FightthePowerAgainstTraditionalClassroomSeating!', 'TechforSPED?FullSTEAMAhead!', 'FullSTEAMAhead', 'FloorstoFitness', 'I-padsForan\\\"I-KnowIt!\\\"Feeling!', 'MindBlowingScienceThankstoTechnology', 'ActiveLearningforActiveBoys!', 'S.T.E.M.anipulatives:Basel0FoundationsandSubitizingMathPatterns', 'ShareYourLove', 'iPadforourPad(Room16)', 'UkuleleforFolkSongsandFolkDances', 'TypingatOurFingertips!', 'UsingTabletsto'Tap'IntoPotential', 'SolvingaMysteryisaGreatWaytoEngageStudents', 'ReachfortheSky', 'ImprovingEducationforAutism', 'AHandUp', 'NotaHandOut', 'Handson', 'FunandIndividualized!!!', 'iPads...OpeningUsUpToWorldAroundUs', 'RugbyBallsneededforourRugbyTeam', 'BuddingEngineers', 'AwardWinners!', 'GoogleDriveTechnologyforGrade1', 'CapturingTomorrow'sMemoriesToday', 'Notebooks_Ink!', 'SoothemySenses', 'STEMBuildingMaterials', 'Kindergartener', 'KindergartenerWhatDoWeNeed-AListeningCenter!', 'MustangSportTeamsinNeed!', 'ReadingIsFun!', 'SpecialNeedsReadtoSucceed!', 'WigglesWhileWeLearn', 'Mini3DPrinterforMiniScientists', 'PositiveRewards=PositiveBehaviors', 'MySTUDENTSneedaRUG!', 'LargeScreenChromebooksforStudentsWithVisualImpairments.', 'Stem-IAMLearningAsIAMBuilding', 'LegoMechanicsforOurMakerSpace', 'GraphicNovelstoInspireandEngageStrugglingReaders', 'AlgebraicThinkersinAction!', 'FlexibleFurnitureMakesOurFuturesBright', 'NewYorkisfortheBIRD..ers!', 'MotivatingReadersThroughHighInterestBooks!', 'Help!OurElmobroke!', 'Today'sTechnologyforTomorrow'sReaders', 'FlexibleSeatingwithaHealthyTwist', 'ChallengeMe!', 'OpticalUSBMiceforaSocialStudiesWorldHistoryClassroom', 'TopChefCookOff', 'Hands-OnEqualsMinds-On!', 'BuildingOurFuture', 'LearningtoLoveReadingwiththeHelpofTechnology', 'DrummingforSuccess!', 'YoungScholarsExcitedAboutLearning', 'Up', 'UpandAway!', 'IlluminateOurReadingAdventures', 'UpfrontNeedstobeUpfrontinMs.H'sClass', 'CateringtoKidswithChromebooks', 'JumboSpeedStackTeamChallenge', 'OKClassroomSupplies', 'Let'sGetinFormation!', 'PiquingKindergartenReader'sInterest', 'ArtofChemistry', 'StudentsNeedtoMove', 'NewReadersareReadytoResearch', 'ISpyWithMyLittleEye', 'FocusedReaders!', 'PreschoolArtExperiences!', 'WorldlyReadersMakeforWorldlyPeople', 'TellThemWeRememberPart4--HolocaustMemorialTiles', 'HaveFunLearningtoRead!', 'HaveYouEverFeltInvisible?',

'BackPackingOurWaytoaGreatYear!', 'LasVegasKIDS', 'LibraryLessonsbecomeLargerwithTechnology',
'MeetMeAt\\\"Carpet\\\"', 'MakeBiologyTrulyComeAlive!', 'MetingScienceandArtintoaTreasuredKeepsake',
'Givemyhittersconfidenceattheplate!!!', 'ChromebooksforaDigitalClassroom',
'Universal\\r\\nAccessforAllReaders', 'CreatingtheSolarSystem', 'We'reDiggingVolleyball',
'SuccesswithFlexibleSeating', 'Horseshoetableandchairstofacilitatestudentcollaboration.',
'ResourceLearners', 'ALaboratoryforScientists!', '\\\"Fired\\\"UpforReading',
'Beatingand\\\"Balancing\\\"theOddsWithComfyCushionsandDetermination!', 'QUESTFORCHROMEBOOKS',
'AlternativeSeatingWORKS!', 'SalvadorDaliinspiredMeltingClocks', 'SchoolisthePlaceIwanttobe.', 'Oh
!PlacesYou'llGo...ThroughVirtualReality', 'HookedonPhonics!',
'LearninginaCleanandSafeEnvironment', 'ItakecareoftheEnvironment!',
'DestinationAmerica!\\r\\nLights!Camera!Action!', 'FinancialLiteracyisMagnetic!',
'InteractiveandHistoricalVirtualRealityExperience', 'HatsandBootsandGloves!OHMY!',
'TeachingwithGraphicNOVELS', '1...LIFTOFF!!FiredUptoRocketThroughMath!',
'\\\"CODING\\\"AllStudentsNeedComputerScienceSkills', 'ReadingRocks', 'Please...HelpMeHelpThem', 'Ms
.Lurce'sTechieTitans', 'BringingSciencetoLife!', 'BasicSchoolSuppliesforHighNeedsKids!',
'KindleFireTabletsforKinderWizards!', 'Interactivenotebooksforsuccess!',
'KeepingUpWithCurrentEvents-JuniorScholasticsMagazines!', 'SpecialNeedsClasswithaNeedforHand-
OnMaterials', 'ScientistsNeedToBeOrganized', 'Wiggle...Learn!', 'Wiggle...InsideandOut!!',
'LetThemGo', 'Butterflies', 'GWMiddleSchoolMustHaves!', 'StudentandCommunityConnection',
'MovementandActivityforHealthyLearning', 'WeWouldLoveSomeChromebooksforourClassroom!',
'Jumpstartintoanewschoolyear!', 'WeDeserveaReward', 'part2!', 'Healthysnackstofuellearning',
'WeBeBallin'andJammin'!MoreFunandFitness!', 'FidgettoFocus', 'BigProjectionsinFirstGrade',
'UsingTechnologyfor21stCenturySkills', 'HelpOurEaglesoSoar!',
'BringingStudentIdeastoRealityWith3DPrinting', 'MustangsMakeAmazingAuthors!',
'WithTechnologyinOurClassroom', 'WeCanSeeEverythingClearly!', 'Connectustotheworld!',
'PreKListeningLounge', 'RaisingtheBarbyRaisingourVoices', 'GetaLookataChromebook', 'GREENlight!',
'TreeProtectionPart2', 'ShakeIt...OFF!!!!', 'WholeBodyLearning', 'CommunitySpaceforAll',
'TechnologyTakesUsFurther', 'SpecialServicesRequest', 'AlternativeSeatingStoolsforWigglyStudents',
'HelpUsBecomeReadersNowandLeadersTomorrow', 'PositivePlay', 'MailCenterforResponsibleStudents', 'E
xtra!Extra!LibraryNeedsPeriodicalSubscriptions!', 'NotYourTypicalClassroom!', 'WeRaisedIt',
'NowWeWanttoEatIt!', 'It'sFuntoLearnLiteracy!', 'WiggleStoolsforWigglyKids',
'WonderfulWorldofWeaving!', 'MakingMathMemorable', 'CalculatingwithChromes!',
'SuccesswithScholastic!', 'BecauseWe'reAllAbouttheBooks', 'AbouttheBooks...',
'ChromebooksforSchool', 'LegosforSuccess', 'Ms.Dee'sFirstGradeClassisBuzzingforTechnology!',
'\\\"SoccerforInnerCityYouth\\\"', 'AMagicalCarpetofSchoolSupplies',
'GrowingHappyKidsWithaPositiveMindset!', 'TinyRugFitForBabiesNeedsReplacement!',
'MovingandLearning!', 'DramaticPlayWillMakeourDay!', 'BooksandMoreBooks!!', 'Multi-
SensoryPreschool!', 'CreatingaPositiveSchoolCultureThroughIncentivesandRewards', 'Yummy',
'HealthySnacksToGetRidOfMunchies!', 'GettingEvenMoreWigglesOut!', 'NoMoreEmptyBookshelves!', 'Mine
craftSTEAMProject', 'Hands-onLearningwithOsmo!', 'BookClubswiththeHolocaust!', 'ImproveNon-
FictionLearning', 'PBLusingVernierProeware', 'IpadAdventure',
'HelpMyEnglishLearnersReadtheOutsiders!', 'TechnologytoBoostScienceExploration!',
'ACTIVECHILDRENMAKEBETTERLEARNERS', 'WakeyWakeyMiddleSchoolMindswithMakeyMakey', 'HiddenFigures!',
'HelpMyVisualLearners!', 'OrganizedBooksMakeHappy', 'SuccessfulLearners.',
'Calculatorsstomeetnewstandards!', 'EnhanceOurLearningExperience!', 'China-Let'sCreateArt',
'ToonBooksGiveKidsaBoost!', 'HelpUsBoardUpThisProject!',
'KindergartenersNeedAnotheriPadMiniforLiteracyandMath!', 'CrazyforComputers!',
'ChromebookstoMaximizeSuccess!', 'ilearninliteracy', 'ReadinComfort', 'Read:FavoriteTitles!', 'SOC
KITOUTINBASKETBALL', 'BouncingOurWigglesandWorriesAway!',
'WeNeedComputers!!OurBooksAreOld!!Science!', 'LoadsofBooks!',
'AddingGlobestoOurClassroomCommunity', 'ReadyforReadingButLackingBooks!',
'LiterateinScienceandMath', 'KindersNeedBookBinstoMakeTheirHeartsGrin', 'ChromebooksforClassroom',
'WiseLatinasareCollegeBound', 'MaterialsforMilitaryKids!', 'ComfyReading', 'Paper_ALaminator',
'RecyclingOldCardboardBoxesintoSupplyOrganizerswithCon-tactPaper', 'StringsforUkuleleFun!',
'Bump', 'Spike!', 'StudentPortfoliosforSuccess', 'BouncetoFocus', 'MathManipulatives',
'CreatingaLearningLounge', 'FlexibleSeatingforFourMore', 'WewantOurlittlevoicestobeHeard',
'CreativeWritingandVisualArtsbySea', 'BB-8AndCodingintheClassroom\\r\\n\\r\\n',
'GivetheChoices...FlexibleSeating', 'WeNeedBooks!!!!',
'MagnificentMathManipulativesforSecondGrade!', 'CodingWithSphero',
'MusicConnectionsinPreschoolLearning', 'RocketReaders', 'BillNyetheScienceipad4',
'CalculatorsforSuccess!', 'ToottheBugle', 'Sew_Cut:TextileLearning', 'ServingHungryMinds',
'LaunchingStudentsIntotheFutureWithClassroomTechnology', 'LearningbyExample:MentorTexts!',
'CreativityandCriticalThinkingThroughArt', 'BooksforANewYear-StudentLed',
'MathAliveinKindergarten', 'NewSuppliesforAwesomeKids',
'Artandwritingsuppliestogrowourkindergartenbrains!', 'MovingtowardSTEMandlearning!',
'UnwrappingPresents!', 'youPad', 'wePad', 'mykiddoswouldloveaniPad.',
'AlternativeClassroomSeating', 'Standingforlearning', 'SuppliesforSuperSecondGraders!',
'ReadtoAchieve', 'ReadAllAboutit!Weareorganizedandenjoyreading!', 'Inspiring',
'engagingandenlighteningthemindsofspeciallearners',
'BuildingEssentialLifetimeFitnessHabitsandtheTechnologytoAccomodate', 'HealthyHygiene',
'TargetMovement', 'iCanLearnwithaniPad!', 'BecomingLifeLongLearnersThroughTechnology', 'GotLIT?Lib
raryTechLovesOSMO', 'ReadingIntotheFuture', 'KimothisCorner', 'IpadMinisforMiniScholars',
'StandingUpforLearning!', 'TablesforFACSCookingClass', 'IAction!', 'DressLikeaScientist',
'FeelLikeaScientist!', 'UsingQRCodesinMath', 'ChromebookstoFilltheGap!', 'ICANHEARCLEARLY!', 'Robo
ticKitsforHighSchoolInventorsClub', 'FutureOlympians',
'StripedShirtsToRefOurYouthLeague!!!!\\r\\n', 'ChairsAndDesksToHelpUsLearn', 'Target-
ingGoodHealthwithGoodSnacks!', 'AwesomeOsmo!', 'WorkThatCommonCore!'

'CheesetoaMemorableKindergartenYear!!!',
'DanceCreatesThePerfectEnvironmentForTheEnthusiasticLearner', 'OrganizingOurSpace',
'Mathforthe21stCentury!', 'PowerofTechnology!!!', 'VolleyballVibes',
'AcingReadingWithChromebooks', 'ReadMore', 'ReadThis:WeNeedBooks', 'StorageSolutions',
'ReadyToReadWithTechnology', 'HeadphonesandPencilSharpenerstoHelpGiveUsSharperHeads.',
'Helpingmystudentsbecomeorganized.', 'SnuggleUpWithaGoodBook!', 'iPadsforData!',
'LearningThroughMovement', 'Testingearphonesforelectronicmusiclab',
'TOONGraphicNovelsforGiftedLearners', 'NotYourMamma'sClassroomLibrary',
'TeachingReadingandLangugethroughHistory:WorldWarII', 'Let'sRegulate!ItMakesSense!',
'CapturedImages_WrittenWords', 'FoodforThought', 'FuntasticPhonics',
'Extra!Extra!ReadAllAboutIt!\r\nCurrentEventResourcesNeeded!', 'TomorrowaLeader!',
'ColorfulClassroomandCreativeReadingBooks',
'GuidedReadingSets:GuidetheStudentstoReadingSuccess!!!', 'RelaxedReadingRockstars!',
'ReachingforReadingSuccesswiththeseReadAlouds!', 'NationalCollegeSigningDay!',
'MathintheClassrom', 'SensationalSTEMStorage', 'WiggleSeatsforOurWiggles',
'BigTimeReadinginKindergarten!', 'EducationalToolsforAllLearners', 'WeLovePrizeDay!',
'ExerciseourBrainsandBodies', 'IpadsforEveryone!', 'ChromebooksintheSTEMclassroom',
'fouratatime!', 'Qualityseatingforqualitylearning', 'HornetsSwarmingIntoAcademics!',
'HelpUsRecycle', 'Reduce', 'andReuse', 'KindleFirestoIgniteaPassionforLearning!',
'CommunicatingWithoutWords', 'TechnologyforELLs-MeetingtheNeedsofAllLearners',
'Let'sGetPoppin'\r\nCampCreatePopcornMachine', 'JournalTime!', 'WrappingUpourMathFacts',
'CriticallyThinkingAbouttheNews!', 'Let'sreachthisgoalsomystudentscanreachtheirs!',
'ReportingLivefromClass4-242', 'EngagingSuppliesandBooksforLearning',
'ActiveBodiesPromoteActiveMinds', 'R.E.A.D.S. (ReadingEverydayAddsDemonstratedSuccess)',
'\r\nWrappingUpMathFacts\r\n', 'SecondGradeBookClub', 'ISpywithMyLittleEye...',
'Oh!PlacesWeWillGoWithOurNewBooks!', 'ReadingJustRightBooks',
'CreatingAnEnvironmentofComfortWhereKidsCanLearn!', 'YogaBallsforLearning',
'LiteracyRichClassroomGalore', 'MakingListeningFuninPre-K', 'VirtualScienceClassroom',
'BringHistorytoLifeWithPictureBooks!', 'OUTwiththeOLDandINwiththeNEW!',
'TechnologyforSafeChemicalReactionsandCoding!', 'BookstoPowerPowerfulBookClubs!',
'PurposefulPlayforStrategizingSTEAMStudents', 'Gather'Round',
'ReadingisFundamental!Improvingwritingbyencouragingreading.', 'ClassTimeChromebooks!',
'OnFireforReading!', 'ShowingPrideWithBadges', 'LearningfortheNextGeneration',
'IncreaseOurSurfaceAreaforScience!', 'LiteracyandMathStationsExtraordinaire',
'TechnologyandHeadphonesatStanduptoKindergarteners', 'CozyReadingSeatsForKindergarten!!!',
'PlaydoughforPreschoolers!', 'ShortonShorts!', 'Creatingishowwelearn', 'Materialsiswhatweneed', 'FutureLearningSTEMsfromaStrongFoundation!', 'BeingActiveforHealthyLiving', 'FitbitsForAFitLife', 'TechnologyisTakingOvertheClassroom', 'AVirtualMuseum', 'WeWishtoBeAmazingWriters',
'KodingforKIDS:Integratingcomputerscienceprogramsintoelementaryschools', 'LifeScience',
'KinecttoMoving!', 'NoMoreOne-Size-Fits-All', 'PersonalizedLearningfortheWin!',
'TargetingTheirNeedsWithExercise', 'SkinamarINK', 'WeNeedaPrinterandInk!',
'STEMCoastersMathRide', 'GrowingourSTEMwithChromebooks',
'FreshLookatNoteBooks:AgriculturalInteractiveStudentNotebooks', 'AFunFirstGradeFluencyCenter', 'MotivatingMathinFifthGraders', 'SwivelingOurWaytoSuccess:\r\nAnAlternativetoTraditionalChairs', 'ReadPicturesintheLibrary', 'StudentLedLearningCreatesaFunandImaginativeClassroom!', 'STEMCenters',
'MoveToSeat!', 'Somethingto\r\nChewOn\r\n', 'WeebleWobblesCalmMeDown', 'Middleoftheyearslump!', 'TechnologyforKindergarten:TheyDeservetheBest!', 'Hooray!LearningThroughSensoryPlay',
'BringingTechnologytotheClassroom', 'ExemplarReadersandWriter'sNeedModelText',
'21stCenturyLearners', 'GearingUpForSuccess!', 'AmbitiousArtists', 'Don'tPopMyBubble!',
'SnuggleUpandRead:FosteringaCommunityofReaders', 'ReadingforourFuture!!',
'SturdyBookshelvesotheRescue!', 'Ifwesnapit', 'wecanbuildit!', 'StayingActiveandFitAllDayLong!',
'InspiretoAspire', 'WiggleWobbleLearners', 'SmartPencils=SmartBrains!', 'CrazyforGraphicNovels!',
'CreateClassroomCartographers.', 'KeepCalmandBuildwithClay', 'Curlupwithagoodbook!',
'EmpoweringStudentsThroughSeatingOptions', 'OsmotheMagnificent', '\r\nRunaway\r\nWithaGreatBook!!',
'HelpStudentsToMakeMillionDollarAPPS', 'Wearegettinghealthy!', 'ProjectOrganizationRenovation!', 'ActiveBodies=ActiveMinds', 'NeedforChrometoRoam', '(Sensory)SeatsforSuccess',
'FlexibleLearner'sSeatingwithVersatileUses', 'MarvelousMicroscope!', 'ASpotforEveryone',
'InspiringSTEMCareersIntoYoungMinds!', 'EyeProtectionForMyClasses', '7thGradersNeedtoListen!', 'LittleEyesNeedtobeCarefulWhatTheySee!', 'InspiringChangeThroughtheLoveofBooks!', 'ArtsAlive!',
'StudentsWobbleandTheyLearn', 'LittleLearnersNeedHealthySnacks!',
'ExploringInquiryBasedLearningUsingTechnology', 'NamasteToStartOurDay!',
'CleverChildrenCraveClassroomCarpet', 'iPadMinistoHelpTechnologyComeAlive!\r\n',
'TacklingWordstoTackleTexts', 'FirstGradeEnvironmentalists',
'Inspiringandfosteringbeginningreaders', 'EarsandEyesOnOurFuture', 'MustangEngineers', '3D-Solids:ArtProjectforAPCalculus', 'GrowingOurBrainsWithCriticalThinkingGames',
'Bringthefuntoourclassroomlibrary', 'FrisbeeGolfYay!!!', 'NeedtoRead!',
'BuildingCuriousMindsWithRobotics', 'BilingualBooksforBilingualKids',
'GreatAimofEducationisnotKnowledge', 'butAction.', 'StayingOnTarget',
'You'reNeverFullyDressedWithoutaSmile:)', 'WecangrowonSTEM!', 'FlexSeatingforActiveLearners!', 'TechnologyTalks!', 'ToolstoTeach', 'EngineersReadToo!', 'NewBooksforaNewTeacher',
'WobbleOutYourWiggles!', 'FixtoFidgety', 'Antsy', 'andSquirmyStudents!',
'EnvironmentalScience:LearningtoGardenandKeeptheEarthGreen', 'TeddyBearComputerCenter',
'BuildingEngineersfortheFuture', 'LearningAboutOurWorldWithScholastic',
'ComputerProgrammingwithDashnDotRobots', 'Healthy/ActiveChoicesinPre-K!',
'OneClickAwayFromSuccess!', 'WobbleWhileWeLearn!', 'TwentyPercent_MoreProjects',
'WhatGoodWritingLooksLike', 'SaveourPlanet', 'ReadMeAStory!',
'MathCenterMovement:APathtoImprovement', 'RoboticsinthePrimaryClassroom', 'Getoutofthosechairs!'

'BouncyBands:HelpingStudentsWorkOuttheWiggles!', 'PingPongFrenzy', 'Techno-craze!STEMittoWINit!',
'IpadMinisforMiniLearners', 'SpeakaboosReadstoYou!', 'Therearenowronganswersinscience!',
'3rdGradeAuthorsNeedWritingTools!', 'HelpUsMovetotheMusic!', 'RootedinReading...TheBooks!',
'ClassroomLibraryResources', 'MyStudentsNeediPads!', 'BooksonBooksonBooks',
'ATEchnologicallyAdvancedAmericanHistoryExperience', 'FidgetToysforActiveMinds!',
'HorseshoeTable', 'FrenchForAll', 'Oui!', 'DotheHokkiPokeyandReadAllAround!',
'Helpusgetsuppliestohelpuskeeplearning!', 'IntroductiontotheMagicofSilkScreen',
'BounceIntoLearning', 'HelpaTeacherOut!', 'CreativeSeatingSolutions\\r\\n',
'andActLikeaScientist!', 'CalendarCounting', 'LearningAboutScientificModelsbyCoding',
'WatercolorMagic!', 'CyclesofLifeinSecondGrade', 'BringIttoLife', 'EngineeringWithGoldieBlox!', 'S
econdGradersNeedYourHelp!', 'BalancingforSuccess', 'Help1stGradersChooseGoodFitBooks', 'PuzzleUs',
'BacktoSchoolNecessitiesForAutismClassroom!', 'Alright', 'Stop!CollaborateandListen',
'Buildingthefoundationsofreading!', 'LearningthroughMusicandMovement!',
'HelpourKindergartenClassroomDiveintoReadingandMath!', 'Let'sGetReadytoRumble:ABookBattle(Part2)',
'ExcellentLearners!!!', 'Let'sGetCreativeonRainyDays!', 'EncouragingCollaboration',
'OneFlexibleSeatingPlanatime.', 'YougetaChromebook', 'weallgetaChromebook!',
'CreatingPassionateReaders', 'Extra!Extra!ReadingAllAboutIt!ThirsdGradersLoveScholastic!',
'BreakingLiterary\\"Chains\\":AStoryofSlavery', 'WiggleWormsWanttoLearnToo!', 'Award-
WinningReaders', 'LiteracyistheKey!', 'StepItUp', 'JumpingIntoaNewSchoolYear',
'FutureOlympiansintheMaking!', 'thePlacesYou'llPro', 'HolidayMagic!', 'Namaste', 'Friend',
'MoreCowbell', 'CreatingandPlayingintheArtRoom', '\\\"TakeTimeforKids\\\"',
'\\\"Playisthehighestformofresearch.\\\""-A.Einstein', 'FlexibleSeatingforMrs.V'sFirstGraders!',
'DramaTechnology:ProducingAuditionVideos', 'BooksandBitesUndertheLights!',
'FromtheInsideOut:ReadingandWritingMemoirs', 'HelpUsKeepOurLearningMomentumGoing!',
'Mrs.Stroud'sMusicMakers', 'GuidedReadingforKindergarten', 'ProjectingFutures',
'LightingUpStudentMindsOneCircuitatatime', 'CleanSocksforHappyStudents!', 'DryEraseBoards?
Asafeplaceformistakes!', 'Builditandtheywillhavefun.', 'HandsonLearning!!!!', 'ChampionsofChange!',
'It'sTIMetoreadtoyourparents.', 'ItemsNeededtoMakeIndistructableBooks', 'GraphicNovelsareGreat!',
'ManipulatingWhileIllustrating:CreatingVariousAlgebraRepresentationsUsingGraphingCalculators', 'He
lpMakeScienceHands-On', 'MagicKinderKingdomiPadAdventure', 'ClassroomSuppliesPlease!',
'FindingtheHotSeat!', 'TechnologyTransformingOurLearning!', 'GetOnYourFeet!',
'SoilIsNOTadirtyword', 'MusicStudioWorkshop', 'ShareinOurLoveOfReading!', 'LonzaChromebooks!', '\\
JustRightBooks\\\"', 'iPad-SocialforStudentswithAutism', 'TurnUptheHeatWithKindleFires!',
'3DPrinting', 'WorldBelongstoThoseWhoRead', 'You'veGotMail!',
'SensoryMaterialsforASpecialNeedsClassroom', 'ClassroomEssentialsforSuccess!!!',
'HelpUsLiveHappyandHealthyLives', 'Coding', 'RobotsandiPads', 'CapturingSmilesAftertheFlood', 'Boo
kStudyScholors', 'Journalismstudentsneedsnewtechanologytocreatethe2016/17yearbook!',
'ChromebooksforFocus!', 'FunLearningcentergamesforScienceandSocialStudies', 'Let'sMakeMusic!',
'5', '4', '1!Fitness_Fun', 'WhenBouncingAroundBecomestheNewSittingStill!',
'WelcometoKindergarten', 'LightingtheWaytotheNextGeneration', 'AHomeForYourCharacters',
'GatheringRug', 'InclusiveSettingforALL', 'KeepingItCozyWithaClassroomCarpet!',
'AnEndlessSupplyofBooks', 'CenteringDuringMath', 'ThinkingClearlyWithouttheNoise!',
'ExploringConformity:Farenheit451', 'ChromebooksforClassrooms!', 'MakingNewsRelevantAgain',
'CapturingOurDaysInPhotoEssays', 'Student-LedProject:60MinutesEveryDay',
'PhysicallyActiveAllYear!', 'Hands-onDrumming', 'CreatingTechSavvyFirstGradersOneiPadataTime', 'Gr
eatRace-UnitRateAnalysis', 'F-L-E-X-I-B-L-ESeating:PowerofChoice', 'OrganizedLearningEnvironment',
'EarsForTheirPeers', 'BuildingaLanguageRichClassroom', 'BrooklynFigitsforBrooklynStudents!',
'FullfillFabulousFilamentfor3DPrinting!', 'GetYourChromebooksHere!',
'HeadphonesHelpStudentsHear\\r\\nReachHigherSuccess', 'LearningFromBirdsPartII',
'futureisnow!!!!', 'Booksforbuildingourbrains!', 'MeetingtheNextGenerationScienceStandards',
'ColorfulDrumsforEarlyElementaryMusicFun!', 'CallingGoodBooks!', 'IsItBehaviororIsItSENSORY', 'Hi-
LoBooksHelpEngageStrugglingReaders', 'FullSTEAMaheadforPre-K!', 'Magnets', 'LightandPre-K',
'AMakerFaireforPontiacPartII:MakeyMakeyInventionKit', 'MovingasWeLearnandHaveFun',
'MyVeryOwnBooks!', 'KeepthemReadingintheClassroom!', 'ReadingGivesUsAPlaceToGo',
'FunRugsforMeetingandReading', 'HelpMrs.Woodmansee'sClasses[Fall2016-17]',
'MoversandShakers:FlexibleSeatingForFirstGraders', 'ScratchNSniffKindergarten',
'FireUptheLearning!!!!', 'WigglyBottomsNeedtoMove', 'TouchScreenComputerforStudentswithAutism.', 'm
athematiciansofthefuture', 'Chromebooksforstudentsinneed', 'PopFly', 'Groundball', 'CatchIt!', 'We
'reGettingHandsoninKindergarten!', 'StudentsReadytoRead:HelpUsOrganizeOurBooks!',
'ImaginationandFreedomofExpressionThroughtheArts', 'STEMandFairytaleLiveHappilyEverAfter',
'AppsandiPadsForAll', 'ACTIONINSCIENCE:STEMMEETSART', 'LibraryPortaltoEcosystemsoftheWorld',
'IntotheVolcano!', 'Mac-imizeSTEAM', 'EngagingStudentsWithTechnology', 'MathCenterGames',
'Let'sGetOrganized...Again!:', 'Smallgroups', 'smallbodies', 'BIGresults!', 'RocksRock!!!',
'EducationMatters', 'ChromebookCreativity', 'UsingLifeSkillsinourSchoolCommunity!',
'ClaytoCreateAncientTools', 'Outbreak!TimetoInvestigate!', 'MixingItUpIstheSolution',
'ATablefor5', 'ComputerforHardworkingStudents',
'EnthusiasticTeacherSeeksSuppliesforDeservingStudents!', 'TechnologyforKinders',
'ExcitedaboutReading!', 'STOP!!!', 'GREATFUTURESSTARTHERE', 'DON'TDELAYGIVETODAY!!\\r\\n',
'IWantoMove!', 'HelpgetSpecialEducationClassaFishTank!', 'TargetingFlexibleLearning',
'ThreeBooks', 'FOUR!', 'EnrichmentWithChromebooks', 'SuppliesThatShouldSuffice!',
'ItMakesSense:SupportingStudents'SensoryNeeds', 'Textbooks_Quick-referenceCharts',
'AWholeNewWorldWithIpads', 'ProjectInnovation', 'MangaMania!', 'RollingChart', 'WePutthe\\"T\\"(sh
irt)inTeam!', 'InspiringStudentMuralsBreathingLifeIntoourSchoolEnvironment.',
'ChromebooksforEveryone!', 'BookBoxesforNPSWildcats:)', 'GoGoScience!', 'Let'sGetReading!',
'ExploringinKindergarten', 'PushingAheadwithReadingandWriting', 'FutureEngineersinTraining!',
'CodingandKidsGoHandinHand', 'BouncingBodiesforSteadyMinds', 'Basketball05/04/16',
'ListenUpWithReading', 'ISeeMyselfonthePages', 'CollegeComputers', 'NoCouchPotatoesHere!'

'Youarethefather!Geneticanalysisintheclassroom.', 'WithPaws', 'andKindness', 'EverybodyWins', 'TechnologyatTheirFingertips!!!!', 'AlternativeSeating_AdvancedReaders!', 'Welcometoourhive!!!', 'MenuMathProject-Student'sChoiceofExtendedLearning', 'MindfulnessMakesaDifference', 'Left', 'Right', 'CodetheMouse!', 'FireflyReading_WritingProject', 'SupplyRefresh', 'NoMoreMessess!', 'LearningLanguageWithShakespeare', 'GotBOOKS?', 'SuccessWithStoryWorks', 'StreamTablesforHandsOnLearningLabs', 'Everyday', 'AllDaySTEMActivities', 'Pencils=PowerinMath!', 'ABooktoShapeStudentPerspective!', 'Let'sHaveaBall!', 'DenhamSprings:FloodingBacktoSchoolPart6', 'Aquietareajustforyou!', 'Writingisexcitingwithgreatmentortexts!', 'SettingStudentsUpForSuccessinaTechnologicalWorld', 'BigBooksBox', '\\\"ClubLift\\\"--LiftingGirlsUp!', 'MathAmusementonClothesLines', 'EntrepreneursintheMaking!', 'Keyboard', 'MusicSupplies', 'andPASystemSoKidsCanHear', 'ICanSee!', 'PrintingProjects:WeNeedPaper', 'TirelessTeachersNeedsaTidyClassroom', 'KingdomFlipCharts', 'FlexibleSeatingforKindergarteners', 'ReadAllAboutIt!ExcitingBooksforAllLearningLevels', 'BeakerSet', 'FourthGrade', 'MovingthroughMazeswithMouseandBB8', 'Woodwindstudentmusiciansneedreedstomakemusic!', 'MulticulturalBookstoCelebrateDiversity', '\\\"ICan\\'tSitStill\\\"', '\\\"OrganizationforIndependence', 'Flex-SeatingforRoom107', 'Tuba!Tuba!Tuba!', 'PeopleandPlacesAroundtheWorld', 'EnglishClassroomNeedstoPrintWords!', 'HandsOnFunToBuildLanguageandRelationships', 'SuppliesforScienceSafety', 'CuriosityandSuccess', 'BooksandMoreBooksAreWhatMy1stGradersNeed!', 'Hittingalltherightnotes.', 'AcquiringEnglishskillsinscienceclass', 'Science!SocialStudies!ReadAllAboutIt(WithScholasticMagazines)!', 'ExploringBotanyThroughResearchandGardening', 'BuildingFirstGradeTechies', 'CollaborativeMovementintheClassroom!', 'WordWork:GeneratingLittleReaders', 'BreakingtheLearningCode', 'CreatingObserversandExplorers', 'SensoryCooldownforAutism', 'BlockAreatoArtArea;LetsBUILDiT!', 'PrintingPositively', 'ProjectWordConstructors:BuildingFoundationalLiteracySkills', 'HelpWanted:Handycam', 'Maker'sSpaceSupplies', 'WelcomeBack7thand8thGraders!', 'OrganicSustainableGardeningforourCommunity', 'BeHonest:WeJudgeBooksbyTheirTitles!', 'Engaging/Hands-onMathMaterialsformyStudentswithAutism.', 'HelpUsRewardOurWarriors!', 'SnacksandTesting', 'Projects', 'PrintersandPortfolios', 'Let'sExploretheWorldAroundUs!', 'WinningDreamDronel', 'ToysforReaders', 'BestPresentisaBook', 'STEMExperientialPlayBasedLearning', 'ThingsThatMakeThemGoHmmm:) ', 'TabletsforTerrificTechnology!', 'EnglishLanguageLearnersneedFinancialLiteracy', 'WeWantParentParticipation', 'BrainSnacks', 'OurClassroomIsWhereOurStoryBegins', 'QualityLiteratureBooksForStrugglingReaders', 'MyGoalIsCollege!', 'KettlebellsforKids!', 'ChromebooksinFirstGrade', 'WelcometotheWorldofScottO'Dell', 'ProvidingaSafeLearningEnvironmentforFutureScientists', '1-2-3GoMath!', 'CoreKnowledgeina21stCenturyClassroom', 'AudioforAll!', 'BuildingaLoveforReadingWithGraphicNovels', 'BooksforSummerReading:PreventtheSummerSlip', 'FlexibleSeatingKeepsUsEngaged!', 'STEMfortheScienceWin', '721Q'sButtonShop!', '\\\"Class-yChefs\\\"', 'FreeChoiceFlexSeating', 'PleasehelpusHEARourLessons!', 'ListenUp!StudentsworkChromebooksbetterwithearphones_mice.', 'LEGOsimplerachinesinKindergarten!', '\\\"ThePenandPaperofOurTime\\\"\\r\\nIntegrationofTechnology', 'TechnologyMatters!', 'iMakeMathWorkshopStudentCentered', 'ClassroomChromebooksforMy4thGraders', 'AnEaselForAll!', 'Art+HomeEC.ServiceProject', 'EnhancingourMakerSpace', '!ISupplyAllYourNeeds!', 'STEM-SationalActivitiesforSensationalKids', 'DashandDottotheRescue!', 'TABLETSFORCLASSLEARNING', 'ChromebooksforaTechSavvyClass!', 'MultiLeveledMathMaterialsPart2', 'ExpandingtheClassroomviaTechnology', 'LightUpOurClassWithReading', 'MythsAreAMust', 'CozyUpandLearnTogether!', 'Hands-onMath', 'FlexibleSeating2016-2017', 'Wiggle!AFlexibleSeatingInitiative', 'BalancedMindandBody', 'HelpUsLearn', 'Seeing(UndertheMicroscope)isBelieving!', 'RugforReaders', 'RobustRadicalReaders', 'WellnessThroughPlay', 'EveryDay!', 'AFamilyThatReadsTogether...', 'SocialSkillsandTechnology!', 'FlexibleSeatingforSupportingDifferencesinAllLearners', 'Pétanque:anIncrediblyEasyActivitythatWorksforAll', 'AlternativeSeatingforKindergartenCreativeThinking', 'LiteraturetoLeverageLearning', 'Ourclassroomlibrarywhereyoucanbecomeanyone!', 'OrganizedReaders=SuccessfulReaders!', 'StretchOurBodies-StretchOurMinds!', 'LayingItOutontheTable', 'Let'sBeActiveinMusic!', 'CapturingProgression!', 'WeHaveWockets', 'ButWeNeedPockets!', 'Hands-OnScience!', 'MoreUkulele'sToEnhanceMusicalSkills', 'Let'sPlayBall', 'NEWBooksforourClassroomLibrary!', 'EmpoweringYoungWomenandImprovingSelf-EsteemandConfidence', 'ComfortableSeatingOptionsforSTEMStudents!', 'NoDoubleDippingthePlunger', 'FlexibleSeatingforWigglyKindergartners', 'MYMotivatedKindergartenersNEEDIPADS', 'WobbleourWaytoWonderfulReaders!!!', 'EmpoweringStudentsthroughArtinMath', 'Fun', 'butEngaging!', 'PRINTMAKING!andGraphicDesign.', 'Wheredoesthisgo???', 'createit!', 'firstruleofBookClubis:ReadGoodBooks.', 'ListeningCenterLibrary', 'ACreativeClassroomDesign!', 'Drawit!Makeit!STEAMmin3D!', 'StudentsWillBalance', 'WobbleandWiggletobetterGrades!', 'BookPacks', 'GeneticsKit', 'AlternativeSeatingforSuccessfulLearning', 'KindlesforKrulder', 'WehaveaGROWTHMINDSET!', 'Wobble_Read', 'MovingForwardwithTechnology', 'BuildingConfidentReadersOneBookataTime!', 'Move', 'Wiggle_Learn!', 'DigitalMathtoPushusForward', 'Studentstakingresponsibilityontheirownlearningwithportableresources!', 'WhatDidItSay? CanYouHearItNow?', 'SteminaBox', 'ClassSetofWonderforaNewTeacher', 'ReadingAdventures', 'ManipulatingMathematicsWithHandsonEquations!', 'There'sa'KINECT'ionbetweenhealth', 'wellness_behavior!', 'FidgetsWhileYouWork', 'FreshStart:GettingStartedontheRightFoot!', 'GiveMeFive!', 'What'sCookinginKindergarten?', 'LeadingtheWaytoSafety', 'PublishingYoungAuthors!', 'Maythe'Tech'bewithyou!', 'SEENEEEDFILLANEED!!!', 'WorldExploration!!!', 'CalculationSensation', 'MastersofLearningWithOsmo', 'PullingintheRightDirection', 'Nutrition???WhyDoesThatMatter?', 'MovingBodies', 'BrainsAreWorking', 'LearningIsHappening!', 'GlobalMathematicianLeaders!', 'WeNeedSomeCrayolaSuppliesToMakeArt!', 'ProblemBasedLearning', 'NoseinaBookReadingNook', 'GoingPaperlessWithChromebooks'. 'ReadtoLive!'

\"StudentCenteredClassrooms:FlexibleSeatingtoEngageAllLearners\", \"\\\"TigersRead\\\"BookChallenge\", 'ClassroomFlexibilitytoIncreaseStudentEngagement', 'StayingFitinSchool', 'HookaMacbook!', 'WeNeedAPrinterPronto!', 'IntegratingOrigamiWithMathematics', 'MathAppsatHome!', 'BookstoSingandLearn!', 'SensationalSoundForMagnificentMusicals', 'Yearbook2017!', 'Wait!IWantToKeepReading!IsThereAnotherOne?', 'ForCreatives!', 'QuenchOurThirstforLearning', 'Envisioning (andOrganizing!)aChromebookLibrary', 'TeachingandAssessingWithTechnologyinKindergarten', 'WithJustOneLaptop...', 'KinderFunHasJustBegun!', 'ReadingTogethertoLearnTogether', 'ReadytoReadinSecondGrade!', 'PositiveReinforcementbyWayofIncentives', 'ReadingCenterResourcesthatRock!', 'HelpMakeDCHFootballhaVeanEXCITINGSEASON!\\r\\n', 'ReapingforKatniss', 'It'saPrint!', 'MyAwesomeMasterpiece!', '/tablet/=tablet', 'CantileverChairsPromoteGoodPastureandLearning', 'ReinventingMyClassroomCulture:OneSeatataTime', 'K'NEXRenewableEnergy\", 'HelpUsBecomeMoreFocusedwithFlexibleSeating!', 'AppleiPadforMath', 'ReadingandTesting', 'MathandTechnologyaPerfectCombination', 'LearningThroughPlayMakesLearningFun!', 'ChineseBrushPainting', 'ABrushWithDestinyorGiveaKidaPaintbrush!', 'ReachingRestorativeJustice', 'MakerspaceSupplies', 'SuppliestoKeepUsGoing!', 'DocumentCameraforAnnotation', 'STEMActivitiesHelpBuildFutureEngineersandScientists', 'ExtraordinaryAuthorStudy', '\\\"ALPHABETFUN\\r\\n\\nINKINDERGARTEN\\\"', 'ReleaseYourInnerScientist!', 'FlexibleSeatingforPersonalizedLearninginaMulti-ageClassroom!', 'TouchscreenDesktopforTechnologyClass', 'WeCanShoot', 'Skip', 'JumpandOtherThings', 'Help!OurBasketballTeamNeedsShorts!', 'Let'sCallitLearningRecess!', 'ClassroomCalculators', 'AdaptivePE:InclusivePlayforALLStudents', 'ACarpetforKindergarteners', 'WiseStudentsneedWiseSpacestoGather', 'EncouragingEngineers', 'CreatingCommunity', 'andNurturingNewArtists', 'GearingUpThroughActiveRecess', 'AShelftoHelpOrganize', 'LeveledLibraryforFirstGraders', 'Furnitureneededforseverely-medicallyfragilestudentsinpreschoolspcialeducation.', 'NatureComestoOurClassroomWindow', '3DoodlingOurKnowledgeWithFamily', 'HappyandHealthy?!', 'MakerLab', 'MyFirstJournal', 'ChromebookCraze2.0', 'JusttheFacts.....JuniorScholasticProject', 'Steppin'Out!', 'STEMSuccess', 'HowILearnBest:FlexibleSeating', 'UpdatingtheDesk:BalanceBallsInsteadofChairs', 'GardeningCartsWillHelpUsGrow!', 'Apple', 'theFruitfortheBrain5', 'HelpUsWiggleWhileWeLearn', 'iheARTiPadstoo!', 'BounceWithConfidence!', 'FlexibleSeatinginRoom20', 'TurningTextbooksIntoChrome', 'GlobalReadAloud', 'EmergentReadersandMathematicians', 'AFantasticVoyage:ExploringWellnessinMindandBody', 'HistoryLearningLaboratory:BlendingPastandPresent', 'OurClassroom', 'DoneOurWay!', 'HokkiStoolstotheConcentrationRescue!', 'ChoiceSeatingandMovieMaking!', 'CreativeCardioMadness', 'BuildourClassroomBiblioteca', 'HardWorkRequiresMoreHardDrives!', 'HelpingOurChildrenOneByOne!', 'MathisEverywhere!\\r\\n\\nMathisFun!\\r\\n\\n', 'ILiketoMoveIt', 'MoveIt!', 'STEMScienceatitsBest!', 'Capturingour\\\"Ed-ventures\\\"inLearning!', 'FlexibleFurnitureFostersSuccess', 'BoogieBoardingforLiteracy', 'Sand', 'andScience\\r\\n\\n', 'It'sTIMEtoORGANIZE!!!', 'Creatingownershipofspaceinclassroom', 'STEMforEveryStudent!', 'Earth'sPlaceintheUniverseUsingSTEM!', 'TreadwellBaseball', 'InteractingwithHistory', 'MaterialstoHelpOrganizeMediaLiteracy', 'PrintingAllDayLong', 'LeapIntoLearningWithTechnology', 'EducatingtheTeenageBrainontheDangersofAlcoholAbuse', 'BookstoKeepusReading!', 'BooksPlease!', '4thGradeClassroomNeedsSupplies!', 'Brushing', 'Painting', 'OhMy...', 'ExploretheWorldThroughGoogleExpeditions', 'LearningComestoLife', 'ReadingWorkshopSupplies', 'Colorful', 'EngagingMeetingTimeRugNeeded!', 'BestSeatInRoom!', 'BuildingOurClassroomLibrary', 'Let'smakelearningfun!', 'FirstGradeLearning/ActivityTables', 'SportBallsforRecessoKeepStudentsMoving!', 'NewCenterforListeningtoFluentReading!', 'Listen_Learn!', 'SmoothiesforSnackTime', 'HaveaSeat!\\r\\n\\nPotteryWheelStools', 'ClassroomLibrary', 'EmpatheticBookstoInspireYoungReaders', 'GetUpOfftheFloor!', 'EngagedReaders=SuccessfulReaders!', 'KinderIntervention', 'GoodPostureIsGoodHealth!', 'AQuestforFantasyFiction', 'AsSimpleAsAPencil', 'WigglyLearnersandMatchingTheirStyle', 'StrengthenourCorelittleYogi's\", 'Out-Of-The-BoxLearning!', 'PencilShortageinMrs.Robinson'sClass\", 'PreservingGreatnesswithaLaminator!', 'Hungry6thGraders!', 'SuppliesForFutureScientists!', 'SteppingItUpinSixthGrade!', 'LearningthroughLiteracy', 'Books+Music=EngagedLearners!', 'BooksandMoreBooks.NeedISayMore.', 'PopBeadstoHandsonMitosisandMeiosisModeling.', 'BouncingBubblingBrains2.0', 'WriteClub2.0', 'WeWanttobeTrackStars!!!', 'ExpandingWorldThroughTechnology', 'Equalaccessforallstudents!', 'BackpacksforScholars', 'Mr.Clean', 'Mr.Clean!ComeMakeOurClassroomClean!', 'AddingSomeLighttoHands-onBuilding', 'PolarisStarsSeekTechnology (Part2)', 'ChangingtechnologyCONSUMERSintotechnologyCREATORS.', 'SoaringOurWayintoSTEAM!', 'ChargingStationToKeepHistoricalInvestigationAlive!', 'InstantMathFun', 'DigitalStorytellingInDailyFive!', 'Ouch!MyShoulder!\\r\\n\\n(SaystheSousaphonePlayer)', 'BasicBeginnings', 'WiggleWorms', 'Math!GettingPreschoolersReadyforKindergarten', 'ReadingTime', 'K'NEXOurKidstotheFuture\", 'FunCENTERedKindergarten', 'STEMOlympics2016', 'StimulatingtheBrainandBodywith21stCenturyFurniture', '\\\"BooksonDisplay\\\"', 'IgnitingLearningwithaKindleFire', 'Drivingthetechnologyandengineeringtrain', 'WeLovetoLearn♥', 'HelpUsGetBooksForOurLiteratureCircle!', 'Outofthis (Samsung) GalaxywithLearning!', 'ActivePlayforActiveLearners', 'WithTechnology-WeCanLearn!', 'IPADFORLEARNING!', '3DDoodlinginSTEAMClass', 'TooHottoHandle', 'BooksAboutQueer (LGBT) WorldHistory', 'MakingOurClassOurHome!', 'HandsonSensory', '\\\"Growing\\\"OurLearning!', 'LearningThroughGames', 'PlayingtoLearninKindergarten!', 'Whatdoyoudowithaproblem?', 'MotivatingMindswithToniMorrison!', 'DigitalStudentPortfolios-TrackandDemonstrateGrowth', 'LearningwithFinancialLiteracy', 'Let'sBuildIt\", 'HistoryBooksforAPStudents', 'StrengtheningourSTEMofScience!', 'WobbleAgainWithChromebooks!', 'InspiringtheWorld'sFutureScientists!', 'ProfessionalKidsArtShow', 'WaystoFinancialLiteracy', 'ChildrenBouncingOffWalls!!!', 'ActiveMaterialsforanActiveClass!', 'WeHavetoMoveIt', 'LearnandGrow!', 'Sittin'Pretty!', 'OsmosforAwesomeLearning_Exploring!', 'MischiefManaged!'. 'Let'sGetFLEXTRLE'. 'OsmoGeniusforMakerSpaceFun!'.

ClassroomProjectorNeededforPhiladelphiaClassroom!', 'KindergartenersNeedChoiceTimeMaterials!', 'B
rainBuildingBoxes:ChallengingLittleMindstoCreate', 'HelpKHSWinterguardCarrytheLoad',
'PictureThis:BeginnerGraphicNovels!', 'AppleintheClassroom', 'PlaywrightWizards!',
'CodingwithChromeBooks', 'SweetRewardsandOrganizers', 'AssistiveTechnology:ICANDoIt!',
'HelpAmazingStudentsManagetheQuirksTheyCannotControl', 'Books:StillValuabletoStudents',
'AssistiveTechforStrugglingReaders', 'HocusPocusEverybodyFocus!', '5thGradersWriteAway',
'SEETHEWORLDINCOLOR', 'INSTANTLY', 'TechnologytoallowateachermobilityintheClassroom',
'TechnologyistheClassroomisthekeytosuccess.', 'We'reTuningintoReadingWithTOONBooks',
'AmazingMath!', 'SCIENCE_SENSORYSUPPORTFORAUTISM', 'RollingRobotsandWritingCode',
'IpadsofarPCalculus', 'LearningwithLabs', 'RecognizingStarStudents', 'KeepCoolandSnackOn!',
'KindlesforMathandReading!', 'CollegeSigningDayPrizes', 'ColoredFolders', 'andCardStock',
'SIMS:Can'tWaittoGetOurHandsOnThese2', 'Non-FictionTextToLearnFrom', 'FinancialLitandFireTabs', 'L
etDNABeYourGuide!', 'TechToolsfor5thGraders', 'MoveItPart2', 'CoreStrengthandCoreSkills',
'ReadingTakesUsOnAdventures', 'BuildingOurClassroomLibrary!',
'STEMCanGetYourMindinGearfora\\r\\nLifetime!', 'AChromebookForLearning',
'BallChairsforHighEnergyKindergartenKiddos', 'ARugForOurClassroomLibrary!', 'MyPersonalSpace',
'PreKLovestoLearnThroughAVarietyOfSensoryActivities!', 'WobbleIntoLearning', 'ReadingCarousel', 'A
nnotate', 'WeWanttoWobble', 'ReadingforFun!ReadingtoLearn!', 'LearningbyListening',
'GoingBigWithArt:Kids'MuralsBuildDreams', 'Values', 'Community', 'FollowAlong!', 'KidsInBusiness',
'AlltheWorld'saPuppetStage!', 'WordsandIdeasCanChangtheWorld!', 'ISeeWithElmo!',
'FlexibleSeatingandClassroomManipulatives', 'Goal:BringEducationBacktoLife', 'MathStationFun!', 'T
oolstoSucceedin2ndGrade!', 'WhereFingersHaveNeverGoneBefore!', 'HelpKeepUsSharp!',
'VirtualRealityReallyRocks', 'HelpUsBuildOurFlexibleSeatingTreeHouse!',
'IntegratinglearningwithTechnology!', 'FullDayKindergartenClassroomSupplies',
'MotivatedMathematicians!', 'ToHearorNottoHear', 'RestorativeClassroom\\r\\n',
'EngineeringCompanies-I'mQualifiedfortheJob', 'Moving_GroovingToLearntoRead',
'BooksNeededforShineOnReaders!', 'MakeItStick!Post-ItsNeeded!', 'SOUNDSGOODTOME',
'Weneedalistingcenterandafeworganizationaltools!', 'AlltheLightWeCannotSeeLiteraryUnit',
'EngagedLearning!', 'CentersthekeytoReading', 'WiggleandMoveWhileStillWorking', 'TeamworkWorks!',
'OnFireForLearning', 'MovingBodiesSupportMarvelousMinds!(PartII)', 'HaveTechIssues?
NoStress!You'veGotTechNinjas!', 'Let'sGrowHealthyFood!', 'TeachingWithTechnology!',
'ReadytoReadandWriteinOurPre-KAutismClass!', 'BioEOCPractice...Technology', '\\r\\nGames',
'Review', 'and', 'Fun!', 'GolfNetsForShankPrevention', 'ClassroomStarter',
'TABLESCOLLABORATION(ENGINEERINGINSOCIALSTUDIES/ELA)', 'LetYourHandsDotheTalking!',
'4thGradeOrganizersandSupplies', 'KeepingOurReadingFlameAliveWithKindleFire!',
'FirstTimeScholars!', 'BeanBagsandLearningRewards!!!', 'KindergartenIsAlive!',
'SuppliesforCreatingInteractiveNotebooks', 'Whatarewemadeof?',
'CreatingScientificThinkersThroughReading',
'iPad'splease!Weneedtechnologytosupport21stcenturylearning.',
'RockStarReaders!FindingtheGhostsofWar', 'Stockingthefutureclassroom',
'TricyclesneededforPreschoolers', 'Differentiation101:Self-PacedLearningWithTechnology!',
'IWillWriteLoudEnoughSoYouCanHearMe!', 'Tech\\"MustHaves\\"foraSpectacularStudentCenter!!',
'FlexibleOrganization', 'WhenOurBodiesMove', 'OurBrainsGrow', 'ProudAcheivers',
'DiscoveringArtistsinHistory!!!', 'CanYouHearUsNow?', 'SunlightvsArtificialLight!',
'ExplodeGeographicKnowledgeWithaGlobe!', 'ACountingWeWillGo!',
'Can\\'tWin\\"BattleoftheBooks\\"withouttheBooks',
'AllScholarsneedtheoptiontohaveFlexibleSeating!!!', 'AlternativeSeatingforAwesomeReaders',
'Let'sMakeWords!', 'ChromeReflectsMyStudentsSuccess!', '1stand2ndGradersNeedMathGames!',
'StudentsCan'tWEIGHTtoworkout!', 'QuietintheComputerLab!', 'IdeapadstoInspireFirstGradeIdeas!', 'F
irstGradeWiggleWorms!', 'InsectsandSeaLifeInspireOurArtists!', 'VocabularyBuilding',
'ManipulativesformotivatedMathematicians!', 'MathOlympiad:SolvingYourWaytotheTop!',
'SuperScientistsNEEDSuperScienceMagazine!', 'TechnologyInOurLives',
'FlexibleSeating:PromotinganEngagingLearningEnvironment', 'GoodClassroomBalance',
'JustaLittleWimpy', 'WORKFORCEDEVELOPMENT:FUTURECONSTRUCTIONTRADESMEN',
'WeHaveaFireforKnowledge!', 'ApplePencilforLiveThinkAloudEdits!',
'\\"FirstGradeMoversandShakers\\"\\r\\n',
'TargetHeartRateZones:MonitoringandWorkingtowardspersonalgoals',
'ArtSuppliesinEastHarlemforArtClass', 'SquirmingforSuccess', 'ReadingandRobots',
'ComeVisittheMediaCenter!', 'WeNeedtoKeepWarm!', 'StemSkillsinAction', 'Suppliesfor703',
'InkandaLaminatorforRoom11', 'MakeReadingAccessibleandInteractive!',
'ChromebooksBringBookstotheClassroom', 'functionget(codingmaterials)', 'EngineersoftheFuture', 'AL
istingCenterforaDeservingClass', 'CrashCourse:APEnvironmental!', 'Let'sGetFiredUpToLearn!', 'Pro
jectbasedlearningforESLlearners', 'TurningtheVolumeUp', 'LearningisFunwithIpad',
'It'sAllAbouttheProof', 'FireUpReadingWithKindleFires!', 'JustRightBooksNeedaHome!',
'BouncyBandsforActiveStudents', 'NutritiousSnacksforOurLittleLearners', 'Easel-
yHelp4thGradeLearn!', 'BuildingNumberSenseWithLegos', 'TechnologytoTeachSocialandAcademicSkills',
'ThirstyforHealthyLearning', 'iPadPlease!WeNeedSome\\"Tech\\"inour\\"Teach.\\'",
'MaterialsForStudentsWithSevereDisabilities', 'CanWeMove!!!', 'ArtResearch-PortableTabletKit',
'ReadytoRocktheTest', 'iPadsforeducation', 'ShowIt!ShareIt!ProtectIt!', '¿Hablasespañol?',
'MakingandCreatingintheClassroom', 'MagicalExperiencesThroughTechnology', 'Mouses>Trackpads!',
'PortfoliosforSecondGraders', 'ScienceRead-alongsforYoungLearners',
'KeepingUsCleanWhileLearningWithoutWorry', 'Rockin'ReadingReadinessinMs.Rodgers'Neighborhood',
'Gwich'inCoders!', 'WeLearnWhenOurBodiesAreMoving!', 'Warmth', 'Care_Hunger',
'AnAppleADayKeepsUsLearningEveryWay!', 'HelpUsMove!', 'HelpMeWithMyWriting!',
'NutritiousSnacksHelpLearning', 'LibraryforClassroom', 'NowIKnowMyABCs....',
'InteractiveWhiteboardsforInteractiveLearning!', 'It'sTimeToGoToTeacherTable!',
'ScholasticMagazinesforMyStudents', 'BuildingOurReadingSkillsBookbyChromebook', 'Teachingin3-D'

SchoolasticMagazinesForMyStudents', 'BuildingOurReadingSkillsBOOKbyChromeBOOK', 'Teachingins D.', 'MakeoverOurDramaticPlayCenter', 'DrawinginSpacewiththe3DoodlerBundle', 'FutureTechClassroom', 'ipadsforArchiving', 'WobblyChairsforBouncyKids', 'ThirdGradersWiggleBut\\r\\nTheyDon'tFallDown', 'WalkLikeaWinner', 'ConstantMovementinMath', 'AmazingWonder', 'NewLearningAreaRug!', '\\\"Balanced\\\"Reading!', 'ClassroomFurnitureandSupplies', 'FutureBookWormsofAmerica!', 'Let'sReadSomeNEWBooks!', 'SaveMartian', 'TechnologytoTake2ndGraderstotheNextLevel', 'AComfyPlacetoGather', 'TechnologyandHandsonCenters', 'SportsAren'tSoHardAfterAll!EmphasizingHealthandWellness', 'Heart-beatingWithHope', 'HelpStopObesityInHighSchoolStudents!', 'MakeLearningSightWordsFun!!', 'HandsOnMath=Success!!!', 'MakingWorkstations', 'TeachingwithTechnology', 'SavvySeatsinSixth', 'ConnectingHealthyMindsandBodies', 'LaptopforLearning!', 'ChromebooksfortheClassroom', 'KatherinePatersonNovelStudies', 'HeadphonesNeeded', 'RoadtoSuccess:OnePageataTime!(ATPEMember)', 'Comfy', 'CozyClassroom!!', 'SimpleButNecessary', 'ExploringInterestingBooks', 'StrengtheningOurCore', 'BringQualityAudiotophoneShotVideoswithLavMics', 'ReadytoRelaxandRead', 'WeneedmoreChromesinourLives!!', 'Techknowledge(Technology+Knowledge)', 'InneedofTECHNOLOGY!!', 'MentorTextstoEmpowerReadersandWriters', 'GoForGoldwith\\r\\nHeadphones', 'STEM-ulateOurMinds', 'ArtIntegrationatWaianaeElementarySchool', 'ScienceofSavingOurSeas!', 'KnowledgewillMultiplywithaMultiplicationRug!', 'FutureEngineersandMathematiciansStartinKindergarten', 'BringingProjectstoLIFE!!!', 'Science:Think', 'Wonder', 'ExperimentandExplain!', 'Sing...SingALittleSong!', 'IfYouBuildIt', 'TheyWillCome!', 'RisingReaders!', 'ReadWriteLiteracyCenter', 'Manipulatives!!Manipulatives!!!', 'TechnologyforBrightMinds', 'DingDongMerrily!', 'FrogDissectionforSeventhGraders', 'Cozyingupwithagoodbook!', 'ReadingAroundtheWorld', 'ChromedOutClassroom', 'EagerLearnersWiggle', 'ReplacingtheMopswithMasterBrushes!', 'MoveandLearn', 'Prize-WinningTOONGraphicsBooksforVoraciousFourthGradeReaders', 'AdaptingBasketballforEveryone', 'ReadAllAboutIt', 'SOARINGWITHHIGH-TECHWINGS', 'EnergeticStudentsinneedofnewP.E.equipment.', 'FunwithBadminton!!', 'ColorfulSpeech_LanguageTherapy', 'Ms.Poulson's3rdGradeTechnologyAllStars!', 'DevelopingReadersThroughListeningCenters', 'HokkiStoolsforActiveSpecialNeedsStudents', 'MasteringMaterialinGroupsonWhiteboards', 'OutWiththeOldinWiththeNew', 'FidgetyFingers', 'DollhouseDelight!', 'MovingandGroovingWithMyFirstGradeFriends', '\\\"ToInfinityandBeyond!\\\"', 'O'SomeLearners', 'BooksforBookClub!', 'IncreasingTechnologicalLiteracyinEnglishI-Phase2', 'AppalachianStudentsNeedCurrentScienceResources', 'ScienceofDisneyImagineeringintheClassroom!!!', 'thePlacesReadingWillTakeYouOnGo!', 'ArtisFuntastic!', 'KinderMastersofHands-OnLearning', 'STEMStudents!', 'HelpUsStabilizeToImproveOurCore', 'StorageWars', 'EnhancingtheGrowthMindsetWithSTEMCareers', 'ReviewDay:HelpingtoReinforceMathandScience', 'FakeNewsCan'tFoolUs!MediaLiteracyinSecondGrade.', 'NoMorePencilChallenge!', 'ipadsforlearning', 'Wet'NWild!', 'MathisEssentialLearning!', 'ReadAllAboutIt:ReadingClassNEEDSBooks!', 'AmazingMindsUsingIPadMinis', 'ReachingfortheStars', 'TechtoTouch!', 'WobbleandMoveOurWaytoLearning', 'InspirationThroughMagazines', 'UsingTechnologytoEnhanceSpeechTherapy!', 'TechnologyAlert!TeacherNeedsTechtoKeepupwithStudents!', 'Feedourbrains!', 'FutureScientistsNeedScienceSupplies.', 'NeedingtoExplore', 'SensoryandSanitySavers', 'TECHNOLOGY/GAMESFORSCHOLARS', 'BooksGalore', 'MakingMagicforBeautyandBeastJr.', 'Live', 'Love', 'Literacy', 'KINDERGARTENTHINKERSANDPROBLEMSOLVERS', 'TechnologyforSpecialEdKindergarten!', 'ListeningCenter!', 'WritingforaPurpose!', 'Moving!', 'PE!FunForEveryone!', 'Artsupplies!', 'KidSize...FunSize!', 'ColorMeKinder', 'CapturetheLearning!DigitalCamerasforProjectBasedLearning', 'IndependentLearningOnCarpetSquares!', 'LearningontheGo', 'I-PadforStudentManagedLibrary', 'IncorporatingTechnologyWithLiteracyandMath', 'AClassroomofChoice:FlexibleSeating', 'GoodiesforourNeedie', 'FullSTEAMahead', 'FundMrs.FielstraClassroom', 'BackpackstoCarryUstoSuccess!', 'EngagedLearning', 'HearYe!HearYe!\\r\\n', 'LearningwithTechnologyinMath', 'SafeandStylish', 'UsingtheFORCEtoHelpUsRead!!', 'Keepingittogether!', 'TolerateAmbiguity...Tinker', 'LEARN', 'AVarietyofLearnersNeedaVarietyofResources', 'HelpAnExcitedClassRead\\\"GoSetAWatchman\\\"', 'Promotingcreativityandliteracy!', 'StayingFocusedWithFidgets', 'MathLabManipulatives', 'ManipulativesforLearning!', 'YogaAndBalanceHelpKindersMove', 'LearningFromtheWorld'sGreatestArtists-Part1', 'AllinGoodTime!', 'Hubbard'sHardWorkersareBuildingGreatReaders!', 'GiftedRobotics', 'BookClubsforAllReaders', 'ReadingInspiresHope:BuildOurClassroomLibrary', 'WobblyStoolstoIncreaseOurStaminaWhileLearning', 'ListentotheSoundofMusic!', 'DivingintoReading!', 'GoingBeyondPaperandPencil', 'Ms.Borrego'sLeadersAreReadytoLearn!', 'CanWeBuildIt?YesWeCan!!', 'AReaderisaLeader!', 'Tabletsfor3rdGradeAdvancedMathandScienceLearning', 'Trumpets!', 'andthenReadSomeMore!!!', 'ExpressionsthroughArtandOrganization', 'AClassinNeed', 'WeAreIndeed!', 'BOOKSandFurniture', 'ParentInvolvementforaLifetimeofSuccess', 'PleaseHelpUsAllHear', 'HavingaBall!', 'MoreBooksEqualsMoreReading!', 'BalanceBallsandChoicesinSeating!', 'SuppliesforaSuccessfulYear!', 'WONDERatthePossibilitiesofRoboticsintheClassroom!', '#ChoosekindwithWONDER', 'AmazingClassroomNeeds', 'LovetoRead!', 'AlongWalkto...Change', 'MovingToMeetOurLearningTargets', 'APoweredUpLibrary!', 'GiftofReading', 'CubbiesforPre-K', 'Letusmove!', 'LittleBitsEngineers', 'iPadMiniforLittleLearners', '3DPrintingOurDreams', 'WeAllLearnDifferently.', 'BrainBoostingBoardGames', 'BookWormsMakeforGoodReaders', 'CallingAllBandStudents!!!', 'EngagingYoungMinds:TechnologyinKindergarten!!!', 'WatchOut!HereCometheEngineers!', 'BUILD!', 'BrainBreaksandRecessFun!!!', 'MakingHistoryFuntoLearnbyUsingTechnologyandArt', 'TabletsforKindergartenStudents!!!', 'EnvironmentalSciencePhotographyClub', 'EveryChildDeservesanEqualOpportunity.', 'STEM!It'sWhat'sinOurFuture!', 'FindingtheRhythmofMath', 'andCommunity', 'Hands-OnLearningwithFinancialLiteracyandOsmo', 'SuperCooper's2ndGradersNeediPads!', 'Helpmeorganizemybelongings!!!', 'Helpushear!', 'MoreMovement=MoreLearning_OptimalGrowth', 'AComfortablePlacetoCritique!\\r\\n', 'TeachingReadingWhileEmpowerStudentsThroughArt', 'NovelStudiesforNovelThirdGraders!', 'HooverToRescue', 'It'sShowtimeinPreK3!', 'MindfulBreathingandMovementforSelf-Regulation'

HOOPERESCUE', 'SHOWTIMEINFLERS:', 'MINDFULBreathingandMovementforSelf-Regulation',
'RelaxedtoLearn!', 'MotivatingMindsThroughMovement_Choice', 'SanitarySeatingPartDeux',
'HelpUsKeepOurBelongingsSafe', 'ProjectElectronica', 'FlexibleSeatsReplaceBoringChairs!',
'PreschoolArtUsingOurSenses!', '3-2-1BlastOff!!!', '...AllYouNeedisaBook!', 'ClassroomEasel-MAKEIT
\\EASEL\\FOREVERYONETOLEARN', 'FirstGradersNeedArtsAndCraftsSupplies!', 'LabelmeCricut!',
'AlternativeSeatinginthe21stCenturyClassroom!', 'SandsationalSensoryFun',
'HelpusStickourLearning', 'HeatingUpOurClassroom', 'CurrentEventsforKids!',
'LaunchingGuidedReadingTable', 'GrowingStudentsNEEDBIGGERTables!', 'WackyWeatherReports',
'WobbleYourWaytoLearning!', 'SecondGraders+Chromebooks=FunWhileLearning',
'DanceClass:NeedtoReplaceBrokenLaptop', 'MovementMatters', 'BuildingaMobileMakerspace',
'Motivate', 'Marvel', 'andMovewithMiniipadsforStudents!',
'AwesomewritersinneedtoPublishGreatStories!', 'GettingItTogether-TowardsaCommunityofLearners', '1st
GradersInNeedOfCozyMeetingArea', 'MadMeasurementSkills', 'KeepKindersActive!',
'bookswithkidsjustlikeus...DIFFERENT!!!', 'iLearn...', 'ClothingNOTOptional!WeNeedAprons!(Part2)',
'ReadingforSuccess!!!', 'Let'sGetActive!!!', 'ISeeNumberEverywhere', 'MOVEintoLEARNING',
'KindergartenHereICome!', 'PromotingLanguageThroughTechnologyforDeafStudents.',
'TeamworkMakesDreamwork', 'PromotingA\\CollegeCultureClassroom\\',
'CombiningTechnologyandSoccer', 'SensationalSensoryStation!', 'CreatingComfyandCoolCarpetTimes',
StampItUp!LearningOurLetterNamesandSounds', 'iLearn.iPads.', 'GrowingScientists', 'MovetoLearn!',
'TechnologyinOurDaily5!', 'WobblingandWigglingtoSuccess!',
'ClassNovelStudiestoEncourageCriticalConsciousness', 'TheseKidsareonFIRE...KindleFire!',
'LetThereBeLight(Tables)!', 'InventiveandIndividualized:GuidedMathandLiteracy',
'StrivingforHealthierLifestyle', 'CriticalThinkingusingSTEM',
'CozyBilingualclassroomaprojectforMrs.Martinezclass.', 'AMACBookProforS.T.E.M.Education',
'WhiteboardsforCollaborativeTutoring!', 'GigglyGigBags',
'\\Lettuce\\CreateaFarmtoTableClassroomKitchen', '\\EmpoweringStudentsThroughArt\\',
'SupplyingTank', 'MoreBooksPlease!', 'JumpIntoLearning!', 'HelpMyStudentsBecomeScreenPrinters', 'A
ccessingHistoryThroughTechnologyofToday', 'Kid-Inspired', 'OnTargetforBetterHealth',
'CozyKidFriendlyLearning', 'STEMNewsGroup:4KEyewitnessReporting',
'NonfictionBooksInspireCommunication', 'CollaborationandComplexThinking!', 'OrganizeMania!',
'HelpusBounceintoLearning!', 'LearningandDancingAlltheDayLong!#TARGET(ed)movement',
'CreatingSOCIALCommunicators', 'KindleALoveForReading', 'MakeLearningFunThroughTechnology',
'SensorySolutions', 'SensoryandAttentionHelpers.', 'HeadphonesforHearing!',
'\\BANDWITHOUTDIRECTION\\', 'InteractiveListeningandLearning',
'ExploringtheWorldThroughReading!', 'NewHeadphones!', 'Mr.Ray'sNauticalDreamland!',
'CanYouHelpUsGetActive?', 'CDPlayers_Headphones', 'A+AuthorsAchieve', 'IfWeCanReadIt',
'WeCanComprehendIt!!!', 'EnhanceaFarmtoForkPrograminaJuvenileJail',
'BestNotebooksfortheBestStudents!', 'ProtecttheiPads!', 'StuckonLearning', 'TuneItUP!',
'SeatSacksforSecondGradeReaders!', 'SuppliesforaSuccessfulSchoolYear',
'ListeningCenterBooksNeeded!', 'SCBookAwardProgram\\r\\n',
'SupportOurSparkSpace:FlexibleWorkspacestoSparkInnovation!', 'FunctionallyFurnishedSensoryRoom',
ThemeDays', 'LittleColtsRunningClub', 'MoreTechnology=GreaterFuturefor21stCenturyLearners',
'ChromebooksforRoom109', 'Puttingonashowntosharewhatweknow!!', 'FiredupaboutWriting!',
'3DoodlingHistory'sGreatestMonuments', 'STEM', 'BigIdeasfromtheMindsofLittleOnes',
'EnhancingCreativityOneChildataTime!', 'CodingOurWaytoSuccess', 'Let'sLearnTogether',
'MusicPavestheWayforHigherLearning', 'MoreMakingintheLibrary', 'DashingIntoFutureOfRobotics',
'WonderlandClassroomWantstoReadtheBook!', 'AllSoccer', 'NOFear!',
'Sensoryneedsforstudentswithspecialneeds.', 'BooksAboutUs:LGBT', 'Muslim', 'andLatinoThemedTexts',
'ChromebooksforMs.Case'sClassroom', '4thGradersCreateandCollaboratewithChromebooks-Part16/17', 'Ma
gazineMania\\r\\n', 'MakingMathMagic', 'College-BoundBookworms4:HelpUsReadOutstandingTexts!',
'CuriosityLeadstoLearning', 'UseofRoboticsforBetterHealthcare', 'SpecialGearforSpecialKids',
'TisforTechnology!', 'Technologytohelpusgrow!', 'FitKids!', 'TechnologyintheHandsofourFuture!', 'G
ettheWigglesOutandKeepLearning!', 'UnleashthePower--BuildingaStrongVocabulary',
'HelpUstoProtectandHearourKindles', 'CreatingaHomeintheClassroom', 'TreasureBaskets4Kids!!!',
'HighInterestNovelsforStrugglingReaders', 'Technology:AGatewaytoLearning!',
'HelpUsMakeLearningMoreExciting!', 'HelpMeBuildaClassroomLibrary', 'BookbyBook!', 'It'sTechnical',
'HeadingintoFlippedHistoryZone-HeadphonesNeeded', 'EngagingTrueStoryforAmazingRealStudents',
'GettingComfyandReadyToLearn!', 'BringSnackBack!', 'BuildOurAudioBookLibrary',
'StandingUpForEnvironmentToo!', 'StudentsSpeakOutWithWorkingSpeakers!', 'STEMwith3-DPens!',
'GetBusy!RainyDayRecess.', 'StayingFitandHealthy!', 'COMPUTERSCIENCEFORALL--ONELAPTOPATTIME',
'ComicLoveinRoom4!', 'LonelyLibraryLacksLiteraturePart1', 'TechnologyArtRoom',
'SensorySmarts:FUNCTionalLearninginKindergarten', 'Bird'sEyeView', 'LegosfortheClassroom!',
'MysteryBehindChemicalBonds', 'AnEaselforEveryone!', 'LiteracyforLittleLearners',
'WorkingTowardsCreativeHealthyDancers', 'SpecialEdHighSchoolELAClassroom',
'MaterialsforMathMinds', 'RecycledArt:HelpUsCreateGreenProjectsinOurMakerspace!',
'Buildingfluencywithinterestinganddiversemedia!', 'AudioExperienceforAll',
'CreativeLearnersCraveChromebooksintheClassroom!', 'MovingisGoodforYou!',
'LookingInsidefromtheOutsiders', 'WearebobbingforAppleiPadMinis!', 'ConnectingReadingandPainting',
'BooksforTeens!FeedTheirHungerforKnowledge!', 'MakingMusicManipulatives', 'Let'sWobble!',
'iChargeforDailyUse', '\\SeeingStars\\WorksforUs!', 'KeepUsSafeandCalm',
'DistinguishedGentlemenGreenhouseProjectII',
'BuildingaBridgeBetweenHomeandSchool:ALiteracyExperience', 'ChoiceSeatingforSuccess!!!',
'BuildingKnowledge', 'GrowingLearners', 'And\\Sticking\\ToIt!',
'BaritoneSaxophoneNeededforaGrowingProgram!', 'ThisisOneFineProject',
'DoesNotCompute!HelpWeNeedChromebooks!', 'ReadingPoetryInMiddleGrades\\r\\n',
'ThirdGradeScholarsGoBacktoColonialTimes!', 'FidgetyStudentsNeedAlternativeSeatingChoices',
'ExpandingTechforExpandingMinds', 'CalculatingSuccessinaSpecialEducationClassroom',
'AnAppleDay:HelpSpecialNeedsTeensandBlind...', 'BooksForBuddingReaders!'

'AnAppleaday:helpsspecialneedsLearnandPlay!:', 'BOOKSforBuddingReaders!:',
'ReadtoSelfLearningStation', 'ReadinginComfort', 'ChromebooksforBrooklynGame-changers!',
'HavingaBallwithSTEM', 'TechnologyRocksMyWorld!', 'GiveMeABreak!', 'iPads',
'iPadsneededeverywhere!', 'AnAppleTodayKeepsIlliteracyatBay', 'andBooks!', 'iPadsforclassroom', 'C
leanHands=HealthyKids=SuccessinSchool!', 'UnderstandingLifeThroughUnderwaterEyes',
'CodingInOurClassroom!', 'AppleiPadsforReading', 'We'veGotThis', 'PeddlingtoLearn!',
'CarpetToBeTogether', 'Let'sWorkHowWeWorkBest!',
'StartingtheSchoolYearwithanEQUALOpportunityforSuccess!',
'McKinleyEaglesGettingReadytoSoartoCollege', 'ReadingontheGo!', 'FamousAmericans',
'HelpUsHearOurLearninginStereo!', 'WeAreOnOurWayToBeingActive', 'LowIncome-SuppliesNeeded',
'APicture'sWortha1000Words-CapturingtheMoment.', 'MustacheMaker', 'ClassroomLibraryExpansion', 'Mi
neralIdentificationLab', 'ClassroomComputersKeepKiddiesConnected!',
'OurMobileCookingCartforNutritionEducation!', 'BoardGamesForCenters', 'Letstalkaboutit!',
'IfyougiveaChromebooktoastudent...', 'Doyouseeme?Specialneedspopulationofstudentsmatter.',
'FitforLife!!!!', 'HotDotsCoolKids', 'HelpUsImproveOurReadingandWritingWithTechnology!',
'Mr.Brill'sLongstrethElementaryMusicRoom', 'TechnologyandOurChildren:\\r\\nPerfectTogether!',
'FireTabletsNeeded!', 'iPadsfor1st!!!!', 'SayCheese!', 'APStudentsDesperatelyNeedToolsforAPEXam', 'S
tationRestoration!', 'AppleADay...SaveTheDay', 'WhiteBoardEasel', 'ReallyThink',
'WeNeedThatInk!', 'ResearchingwithChromebooks', 'STEM_OSMO', 'PrintmakingforEngagement',
'ChromebooksforaCause:ScientistsintheMaking!', 'FlexOurMusclesforFlexibleSeating',
'WheredoIputit?', 'AMultiSensoryApproachtoWriting', 'WeNeedStem!', 'ACozyCOATforStudents',
'IndoorGardenforHands-OnLearning', 'ReadingFair', 'STEMactivitiesfor1stGrade',
'TouchScreenLaptopforaMathandScienceSTEMClassroom',
'LiteratureUnitrequiring24copies\\"TheSecretGarden\\""', 'ShootandScore!', 'Travelingin3D-
Takingstudentson3Dfieldtrips', 'PleaseHelpMeToDifferentiatewithaSensoryTable!',
'RoboticsChallenge', 'FeedOurMindsandBodies', 'Gone!',
'BuildingSTEAM:FromGamertoVideoGameDesigners', 'BackpacksForLearning!',
'HelpDevelopaLOVEforReading!', 'ArtonParade!', 'MoveItOrLoseIt', 'TakingArtOutsidetheArtRoom', 'Le
t'sGetMoving', 'ReglobalizingSocialIssuesLiteratureBooks', 'SeeIt', 'Sayit', 'LearnTogether!', 'Co
zyseatsforbusyfeet!', 'VarsityartenhancedportraitillustrationswithPrismacolors.',
'ALongWalktoWater\\r\\n', 'NewFurnitureforGrowingBodiesandMinds!', 'WigglyKinders#1',
'CalmingCounselingCorner:ASafePlace', 'BringingSTEAMintoSpeechTherapy!',
'HavingaBlast_BuildingStrongReaders', 'wigglesandplaymakesfunlearningeachday.',
'HandsonGenetics:LearningDNAandit'sMistakes!', 'WatchMeCodeMomandDad!', 'ThroughReading',
'OpenaWorldofDiscovery!', 'PleasehelpPre-Kgetacomfortablecarpet!',
'FlexibleSeatingtoWobbleandLearn.', 'Books!Books!Books!WeWantMoreBooks!',
'PBISSuppliesforSchoolStore', 'HelpingDifferentLearnersLearninDifferentWays',
'SupportSuppliesforAutismClassroom', 'Crea\\"TEE\\"vityinFirstGrade!',
'StylusneededformyEnoInteractiveBoard!', 'Let'sInkWhatWeThink',
'WhataTreasure!HelpFillOurTreasureChest!', '21stCenturyStudents', 'Ear-
resistableHeadphonesForSecondGraders', 'Goggling\\"CameraReady\\"Chromies',
'Won'tYouHelpUsReadOurBigBooks?', 'Heroesneedcomforttoo!!!!!!!',
'Readingourbooksiswithinourreach!', 'WeLiketoMOVEit', 'MOVEit!',
'NoMoreSlacking;WeareFitnessTracking!', 'LearningThroughSTEM', 'CozyUpWithaGoodBook',
'CanyouSEEWhatIamTalkingAbout?', 'GreenThumbsUp!', 'StoringOurLearning',
'Rockin\\"Rolling\\"Music', 'KeepingItClean!', 'ClassroomEnvironment',
'BuildingaLOVEforReading:GettingBooksinOurHands', 'CalculatorsNeededPlease!', 'Helpuslearn!!!', "Ri
ghtBatMakesaDifference-Girl'sSoftballInitiative", 'KoolKindersNeedSupplies',
'Rocking_Wiggling\\r\\nWhileWeRead_Write', 'Aplaceforeverythingandeverythinginitsplace.',
'DigitalCameraforDigitalPhotography', 'IncreasingMediaLiteracywithScholasticNewsandScienceSpin!',
'MathLaboratory', 'PowerUp!', 'BookFloodContinues', 'WriteThisWay',
'GearingUpforaGreatYearofReadingInstruction!', 'StimulatingSensoryMaterials',
'MakingItAllAddUp:DevelopingMathStations', 'MagicLearningCarpet', 'AGoodPlaceinPre-K!',
'RumblingtonBuildaGrowthMindset!', 'MakerspaceandDiscussionPlace@theLibrary!',
'CalculatingNumbers', 'PuttingtheDNAinourDNAFingerprint', 'steAm:BringingTechtotheMusicClass',
'PhotographingTheirDesigns', 'StoptheGrumbles!', 'LearningWithLaptops', 'ComfortMath(ATPEMember)',
'Hands-onLearningStationsforSuperbStudents!', 'OutstandingOsmoOpportunities!',
'PhonicsCubesandDominoesforMySuperSpellersandReaders!', 'KindersneedtoWobble',
'StudentSafetyWhileatSchool', 'FitandHealthyKidsLoveLearning!',
'HelpingHearBetterwithHeadphones!', 'ColorfulArtSupplies', 'NextGeneration...OfLearners',
'AttentionPlease!', 'UsingTechnologytoPrepare21stCenturyLearners', 'HelpuswithHygiene!!!!',
'FollowtheReader', 'It'sMoreThanJustFabric!ExploringTraditionalBatik.', 'CriticalThinking',
'ProblemSolving.....Winning!', 'FBLAStateSnacksNeeded', 'Toon-TerrificTextsforGrade2-3',
'Buildings...OneBrickataTime', 'FlexibleSeatsforFeistyStudents', 'SensoryandMe!',
'DazzlingDaVinciStudio', 'OurLovelyLibrary', 'UsingArtinScience',
'ReadingisadiscountticketANYWHERE!', 'HeadsetsforReadingFluency', 'STEMYourBrain',
'BookRecommendationsinSecondGrade!:', 'We'realllivinginatechnoworld!', 'CodingOurWorldWithOsmo!',
'MotivatingReadersThroughManipulates', 'IPadwithnoCaselikeaFlowerwithnoVase',
'RushingIntoHistory!', 'SuperScience!', 'CheeringTowardsSuccess!', 'PoetryRap',
'CulturalCelebrationNeeds', 'FlexibleSeatingistheAnswer!', 'SavetheSupplies!',
'BooksMakeLittleMindsintoInquisitiveandImaginativeMinds!', 'PlayitForward!', 'StandUp2Learn!',
'LettheExploringBegin', 'LendaHandbyPrintingaHand', 'CommunicationIstheKeytoSafety!',
'MoveIt:FlexibleSeating', 'LearningMathOutOftheBox!',
'Understandingidentityandselfthroughtheculturallyresponsiveliterature.', 'BooksBooksBooks!',
'BuildingaLoveandJoyforReading', 'andWritingToo!', 'Fahrenheit451CopiesareDesperatelyNeededin2016-
2017', 'ReadingBuddies!', 'CanyoupleasepasstheSalsa?2', 'ClassroomChromebooks!!!',
'IntroducingHighSchoolFreshmentWilliamShakespeare', 'WeCanPieceItAllTogether!',
'CrazyMathforaCrazyDay', 'KiddiesNeedtoLearn', 'MakingReadingFun'

SensoryToolsforAutism', 'KindergartenFormYA/BHonorStudents!', 'MakingReadingFun',
CompetitiontoLiveaHealthierLifestyle(Continued)', '\\\"WishingUponaStar\\\" foraNewComputer!Round2',
'QRfor21stK!!!', 'Creatingacomfy', 'Cozy', 'CreativeClassroom!', 'ReadersGonnaRead!',
'ProtectingOurWork', 'IPADS', 'GuidedReadingMobileLeveledLibrary!', 'WhereCanISit?',
'WobbleWhileYouWork!', 'CoolSeatingOptionsforKids!', 'AdventureswithFamily', 'STEM!',
'MathMadeFunWithGamesandMORE!', 'IntegratingMindfulness-AspacetoBreathe',
'AColorfulClassroomGatheringSpace', 'Suppliestocreatebeneficialguidedmthcenters', 'SnackonThat!!',
'ReducingReadingIlliteracyGap', 'ScenicReadingintheCity-\\\\r\\\\nTheSunisourLightbulb!',
'STEMRocks!', 'TappingIntoMovement!', 'WeCanMoveIt', 'MoveIt',
'CanvasBagsforCaringCaretakeoftheEarth', 'ProblemSolving', 'FlexibleSeating:NewClassroomSetUp!',
'ComputerChairs', 'LaptopforSuccess!', 'FamilyInnovationCharge!!!', 'ComeOnInandTakeASeat!',
'PuttheFutureatTheirFingertips', 'FlexibleSeatingforPersonalizedLearning!',
'TargetingHealth_FitnessInClassOnHotDays', 'PerfectPocketsForProductiveLearning',
'MakeMathComeAlive!', 'FullSTEAMAheadWithLearningFun!Part2', 'SolderingStationsforMakerSpace!', 'A
rtHistoryLiteratureformyElementaryStudents!', 'IAMMalala:Whatdefinesahero?',
'MeetingtheSensoryandFineMotorNeedsofmyLITTLES', 'GivingOurBasketballTeamNewGear',
'SuperfudgeforSuperStudents', '[\\"hip\\\", \\\"hip\\\"]LettheCodingBegin',
'TelephotoCameraLenstoProfessionalizeourSportsJournalism', 'GraphicNovelsforVisualLiteracy!', 'Int
egratingArtintoScienceandMath', 'MovingTowardsaTechnologyBasedClassroom', 'BlockbusterBooks',
'EmpoweringStudentsThroughArt!', 'TechnologyinthPPCDCClassroom',
'HelpuslearntosolveproblemswithSTEM!', 'BoundinginMath', 'OurSensationalSensoryClass',
'MakingReadingFun!', 'HelpKeepUsChrome-tastic!', 'HealthyK4Brains', 'Bodies_Minds',
'RelaxandRead', 'FlexibleSeatingforAwesomelstgraders!', 'ChromebooksForHistory!',
'ChromeisintheAir!', 'Computerspeakers', 'ScienceROCKS!\\\\r\\\\n(EspeciallyWhenYouHaveLabSupplies!)',
'ChickaChickaTweetTweet!', 'Legowall/MakerSpace', 'SteppingUpHealthGoals!',
'ThirdGradersNeedABrandNewBag!', 'ExpeditiontotheArcticDepartingfromBayard', 'NewMexico',
'BalanceYourWaytoanA!', 'Flashdrivesforfutureengineers!', 'EXPERIMENT', 'DESIGN', 'EDUCATE',
'SnacksinPre-K', 'FromDraptFab!', 'Privacy', \"'2ndGradersMeetthe4C'softhe21stCentury\",
'EconomyFunForFourth...ASMARTInvestment!', 'WeWill...WeWill...RockYou!',
'BoostCompressionWithHighInterestStories', 'We'reonFire!', 'OneBookAndYou'reHooked', 'TakeCharge-3
rdGradeTacklesPersonalFinance!', 'TimeforMovingandSensoryPlay!', 'KICKTHIS.....',
'WritingEssentialsForKindergarten', 'IlearnBestWhenIWiggle', 'BringingArcherytoAnotherDimension-3D
, 'MaterialsNeededtoKeepLearningEngaging!', 'FootballEquipmentforBrogreenMiddleSchool',
'LearningThroughHands-onActivities', 'EaseOntoLearning', 'WeLiketomoveit!\\\\r\\\\nChoiceMatters!',
'GrowthMindset', 'Learn!!!!', 'UkuleleOrchestra', 'EndlessCopiesJustforUs!', 'ARadventures',
'BuildingBrain', 'BuildingBridgesbetweenELLstudentsandeducation.',
'FlexibleSeatingAllowsforOptimumLearning!', 'GrowingOurReadingThroughTechnology',
'PracticalSkillsThroughSetConstruction', 'FitnessandFun...ArecessRecipe', 'What?
\\\\r\\\\nFlexibleSeating', 'ALaptopforKidswithSpecialNeeds', 'Hands-OnLearning',
'AGaloreofMathGames', 'ScholasticNewsforNewScholars',
'WhiteBoardsNoLongerCountasInteractiveTechnology!!!', 'Switchonlearningathome',
'ProvideLittleLearnersWithHealthcareSupplies', 'Materialsandtechnologyforefficiency',
'ReadersWanted!!!', 'HealthPreventionandLifeSkills', 'SustainableClassroom',
'CapturingacreativeJourney', 'Flexibelseatingforstudents',
'HelpingtoInspireEarlyReadingSkillsforschoolchildrenwithAutism.', 'MakingSTEMReal:LetsGetDigital',
'ThereisPowerinMobility', 'GuidedReadingTableforall!', 'AnActivityTableSoWedontHorseShoeAround',
'WorldAtTipOfirFingers!', 'ArtfullyWorkingwithWords', 'CaringKidsNeedaCarpettoComeTogether!', 'How
LongCanYOUsitstill?', 'CoolKids!', 'Growingschool', 'moretoolsplease.:)'),
'SayNoMoretoSugarDrinks', 'HelpBronxStudentsReadTimeforKids!',
'\\\"Frindle\\\" NovelStudy: LearningANYONEcanchangetheWORLD.', 'VirtualRealityDeveloperstoftheFuture',
'TambourinesforRhythmStations', 'We'reEx-staticAboutElectricity!',
'BlackEyedSusanReadingChallengeforschoolchildrentocelebrateDisabilities', 'HealthySnacksforHungryMinds!(Ti
tlel)', 'FresheningUpOurWritingToolbox', 'WhiteBoardWIPE-Out', 'PreparingOurFutureEngineers', 'Ma
kingofScientificReaders', 'BooksOntheGo', 'PLTWPOEClassStaysConnected', 'WeAreMakers-
WeNeedaMakesspace!', 'Fromtrashtotreasure: Wearablegreentart', 'CaptivatingNonfictionfor5thGraders',
'EngagingTechnologyinKindergarden', 'ColorfulrugandshelfforKindergardenClassroom',
'YoungAdultNovels', '\"ILikeToMoveIt', 'MoveIt\\\" WhileILearn!', 'Let'sGetCreativewithChromebooks',
'LakeViewWildcatconferencechamps!\\\\r\\\\n', 'Helpusinvestinourfuture', 'LetsGetFit!!!!',
'CreativitythroughtheArts', 'HistoryMadeFunThroughtechnology',
'BytheGreatHornSpoonfor4thGradestudents!', 'istudents', 'MyStudents!', 'Stoolsforwiggleworms',
'interactwithipads', 'RoomB205!', 'ContinuingtoExcelWithChromebooks', 'WeNeedDiverseBooks!',
'Studentchoice!', 'CreateandShowOff!', 'AlternateSeatingforActivekids',
'PreparingStudentsforsuccesswithtechnology', 'Lifetimelearninginchoosingkind',
'Goingchrometosearchforexcitingnewadventures', 'CMSneedsasaxophone!', 'iPadforsquarepanda',
'color!color!color!magicofcolor!', 'Magazines...OhMy!', 'Firstgrademagiccarpetride',
'helpUScreateAHightechLearningEnvironment!', 'ittakesTwotoTango', 'Socialskillsliterature',
'Architecturecomealive!', 'Increasing literacyandcriticalthinking skillswithnon-fiction books',
'21stcenturyflexible classroom', 'ExpandingOurLearningusingRealiaandhands-on tools!',
'sportsProgramsupplies', 'little learnersinnneedofPre-k Essentials', 'GermsAllaroundus',
'wobble chairsforactive learners', 'CartSmart', 'LearningaSurvival SkillinPreschool',
'chromebooksGiveClass!', 'IndependentReadersontheroadtosuccess!', 'Tiny TigersNeedtobeflexible!', '
ClassroomLaptopstokeepkidspreparedforthecentury', 'Don'tletourPoster MakerRunDry!', 'Connect',
& Create\\\\r\\\\nwith Chromebooks!', 'Invasionofsuccssfulreaders!', 'SAFETYGOOGLES',
'STEMwithGoogle!', 'Chromebooksfortitletkids!',
'Project:S.H.S.TVS(special)H(highschool) S(students)', 'Chromesforreading', 'Osmoplease!',
'STEMfunfortheyoungest learners!', 'Room22 Classroom essentials!', 'Boundingtosuccess',
'BringingFamilies Together With Booksand More!', 'Getting Comfyin Miss Paige's classroom!',

Hill Country State Park - A beautiful area with scenic views, hiking trails, and picnic grounds.
San Antonio River Valley - Explore the historic mission life at the Alamo and enjoy river activities.
Guadalupe Mountains National Park - Hike through diverse landscapes under starry night skies.

```
'HelpusstartonaGoodNote', 'AlternativeSeatingClassroom', "MullenMustang'sKunWildforTechnology", 'SeeingIsReading!', 'CHARGINGForwardwithTechnology!',
'SuppliesforStudentsandotherNecessitiesforaFirstYear', 'CasesandMinisAddtoMyLearning',
'Engagestudentswithrigorandrelevence', 'ShiningBrightWithChrome', 'LiteracyRichClassroom!',
'HELP!OurWritingNotebooksAreLonely!', 'BringJOYtoKindergartenThroughImaginative_PretendPLAY!',
'BreakingtheSurfaceofMiddleSchool!!!', 'Ink...SeeWorldInColor!',
'PerformingPlaysandJournalingCenters', 'MaintainingtheConnection:AVisualNewsletter',
'MoveToLearn', 'ANewKindofMovement', 'TablesforCollaboration', 'IncreasingMathProfieciency',
'MagicCarpetRideIntoaWorldofLearning', 'TOONGraphicstoPromoteComprehension',
'HelpUsWiggleWhileWeWork!', 'WeAllNeedOurPersonalSpace', 'PersonalLegendswithAlchemist.',
'AcingAlgebraWithChromebooks!', 'iPadsforOsmo', 'TitansStore-PBIS',
'HokkiStoolsforOurStudentsAreNOTHokey!', 'FifthGradeinMotion!',
'LearningThroughLiteratureandHistory', 'HeadphonesforFluency', 'AMimioforMath',
'TerrificTreatsforDeservingKids', 'LearningisanAdventure:GoExplore!', 'ReadingwithanIPad',
'LettheWigglesOutforBestLearning', 'Technologyisthepenandpaperofourtime!', 'NowHearThis!\\r\\n',
'WobblySeatsforWiseKids!', 'AgeOldLearningThroughCuttingEdgeTechnology!', 'FidgetCubesforFocus',
'HelpKeeptheBalanceinOurRoom!!', 'BringingLiteracytoLife', 'LearningStartsatthe\\"CORE\\"',
'BuildingUpBilingualsWithTechnology', 'WirelessWhizkids!', 'BasketballEquipmentforKids',
'CreateaSpace!', 'FlexibleSeatingforMaximimLearning!',
\\"A#2PencilAndADreamCanTakeYouAnywhere\\"',
'BranchOutWith\\"STEMs\\"inMrs.Carnessali\\'sReadingClass', 'StorageFullOfFun',
'ShootingHoopsHelpsUsLearn!', 'Andthenwhathappens?Doyouhavethenextbook?', 'TakeaSeat!',
'UnderConstruction!Wordbuildingfun!', 'LiteracyforLittles!!', 'ReadingGoodBooksMatters!',
'GiveaVoice.BeTheirVoice.', 'Whywastetimewithadryingrack!', 'SensoryPlayMakesLearningFun!', 'Chrom
ebooksforOurPreK', 'BuildingWordsinKindergarten', 'TypesofBooksattheLibrary:Limited',
'TabletBooks:Priceless!', 'MathMakeover!', '\\\"Achoo!\\\"WeNeedTissuesandMoreFromyou!',
'StudentsBuildInstruments-Hands-onMusic!', '\\\"Wooden\\\"YouLiketoBuildWithUs?',
'KindersInspiredtobeonTargetinNutritionPart2', 'Chicka', 'iLearn', 'Paper', 'WobbleWhileYouWork',
'FlexibleSeatinginThird', 'BuildingaGradeLevelofChromebooks', 'Part2', 'WobbleWhileWeWork',
'KidsCoding=Creativity', 'TodayaReader', 'TwoBooks', 'GetMoving', 'Hi-Ho',
'FlexibleSeatingforFlexibleLearning', 'Clean', 'iLearnwithiPads', 'Canyouhearmenow?',
'LovingLiteracy', 'Extra!Extra!ReadAllAboutIt!', 'Reading', 'CreatingDigitalLearners', 'Touch', 'T
oolsforSuccess!', 'ReadingisFun!', 'KindlesforKids!', 'LearningThroughTechnology',
'SeatingforSuccess!', 'Click', 'KindergartenAlternativeSeating', 'RoomtoGrow!',
'HistoryintheMaking', 'Camera', 'ListeningCenter', 'WobbleBaby', 'LearningThroughPlay',
'BuildingCollegeandCareerReadinesswithChromebooks', 'HandsonLearning', 'TechnologyintheClassroom',
'AFreshStart', 'TeachingWithTechnology', 'NewYear', 'WobbleandLearn', 'Create!', 'Students',
'StreamingSuccess', 'Veggies', 'Balance', 'HaveaSeat!', 'Play',
'GraphicNovelsforReluctantReaders', 'Thinkit', 'ActiveSeating', 'WeLiketoMoveIt!',
'MakerspaceMakeover', 'MathSupplies', 'Read!Read!Read!', 'Design', 'ActiveLearning!',
'ClassroomMaterials', 'MathisFun!', 'iPad', 'ClassroomRug',
'SensoryTools+SensoryLearning=SuccessfulStudents!', 'Chairs', 'BridgingtheDigitalDivide', 'Focus',
'Learningthroughplay', 'TerrificTechnology', 'MathMadness', 'Bounce', 'Baby', 'Read!',
'KeepCalmandReadOn', 'AStudentStandingisaStudentLearning', 'MovingtoLearn', 'PLEASE!', 'Art', 'Wig
gleWhileYouWork!', 'BooksonCD', 'Flexible', 'TechnologyFun', 'Kids',
'AMagicCarpetRidetoCommunity', 'MovingandLearning', 'Learn', 'BookArtsandOrganizationalsmARTs!', "
Let'sGetMoving!", 'WritingfortheFuture', 'MagicCarpetRide!', 'EmpoweringStudentsThroughArt', "Let'
sPlayaGame!", 'PencilSharpenertotheRescue!', 'WeNeedTechnology!', 'Oui', 'WobbleWhileWeWork!', 'Mo
ving', 'Create', 'Trumpets', 'TechTime', 'Going', '21stCenturyLearning', 'IThinkICanSTEM',
'Pencils', 'OHMY!', 'SuppliesforSuccess', 'SuppliesNeeded!', 'OneBook', 'ActiveBodies', '1',
'Learn!', 'Dream', 'Chromebooks', 'CanYouHearMeNow?', 'Lights', 'ProtectingOurTechnology', 'Crazyf
orChromebooks!', 'WiggleWhileWeWork!', 'Creativity', 'Think', 'Collaborate', 'Sit', 'Look',
'Moveit!', 'FullSTEAMAhead!', 'Explore', 'Sing', 'WeNeedToMoveIt', 'Alexa', 'Code', 'Charge',
'Science', 'Engineering', 'WeNeedtoMoveIt', 'ChromebooksintheClassroom', 'ReadAllAboutIt!', '3', '
andLearn!', 'Listen', 'Hip', 'Please!', 'FlexibleSeating!', 'ClassroomSupplies', '2', 'ListenUp!',
'WiggleWhileWeWork', 'WiggleWhileYouWork', 'Ready', 'Supplies', 'Set', 'Books', 'Oh',
'WeLiketoMoveIt', 'Wobble', 'OhMy!', 'Extra', 'Technology', 'Read', 'FlexibleSeating', 'MoveIt!',
'Wiggle']
```

Shape of matrix after one hot encoding (7000, 7433)

In [151]:

```
# merge two sparse matrices: https://stackoverflow.com/a/19710648/4084039
from scipy.sparse import hstack
# with the same hstack function we are concatinating a sparse matrix and a dense matrix :)
final_data_matrix = hstack((categories_one_hot, sub_categories_one_hot, title_bow,
price_normalized, teacherprefix_one_hot, grades_one_hot, states_one_hot, title_one_hot))
final_data_matrix.shape
```

Out[151]:

(7000, 8040)

In [152]:

```
type(final_data_matrix)
```

```
Out[152]:
```

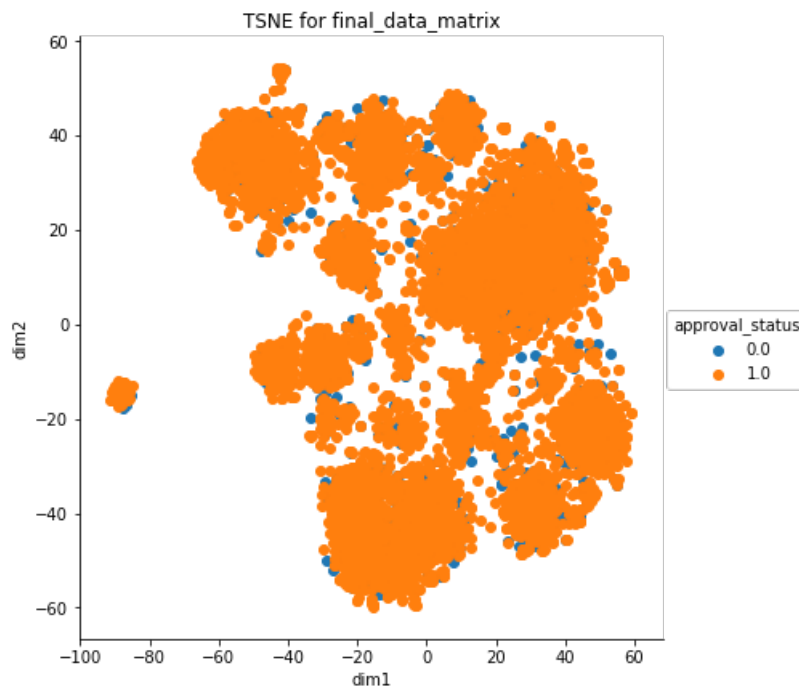
```
scipy.sparse.coo.coo_matrix
```

```
In [153]:
```

```
# convert sparse to dense as tsne takes dense vector  
final_data_matrix = final_data_matrix.todense()
```

```
In [275]:
```

```
#tsne  
from sklearn.manifold import TSNE  
model = TSNE(n_components=2, random_state=0, perplexity = 50, n_iter = 10000)  
  
tsne_data = model.fit_transform(final_data_matrix)  
  
tsne_data = np.vstack((tsne_data.T, approval_status)).T  
tsne_df = pd.DataFrame(data=tsne_data, columns=("dim1", "dim2", "approval_status"))  
  
# Plotting the result of tsne  
sns.FacetGrid(tsne_df, hue="approval_status", size=6).map(plt.scatter, 'dim1', 'dim2').add_legend()  
plt.title("TSNE for final_data_matrix")  
plt.show()
```



OBSERVATION: The TSNE plot implemented using the final data matrix also does not help in classifying the labels.

**TSNE on DATA MATRIX(categories_one_hot,
sub_categories_one_hot, title_bow,
price_normalized,teacherprefix_one_hot, grades_one_hot,
states_one_hot, final_tf_idf_data)**

```
In [154]:
```

```
# merge two sparse matrices: https://stackoverflow.com/a/19710648/4084039  
from scipy.sparse import hstack  
# with the same hstack function we are concatenating a sparse matrix and a dense matrix :)  
final_data_matrix = hstack((categories_one_hot, sub_categories_one_hot, title_bow,  
price_normalized, teacherprefix_one_hot, grades_one_hot, states_one_hot, final_tf_idf_data))  
final_data_matrix.shape
```

```
Out[154]:
```

```
out[154]:
```

```
(7000, 11640)
```

```
In [155]:
```

```
# convert sparse to dense as tsne takes dense vector
final_data_matrix = final_data_matrix.todense()
```

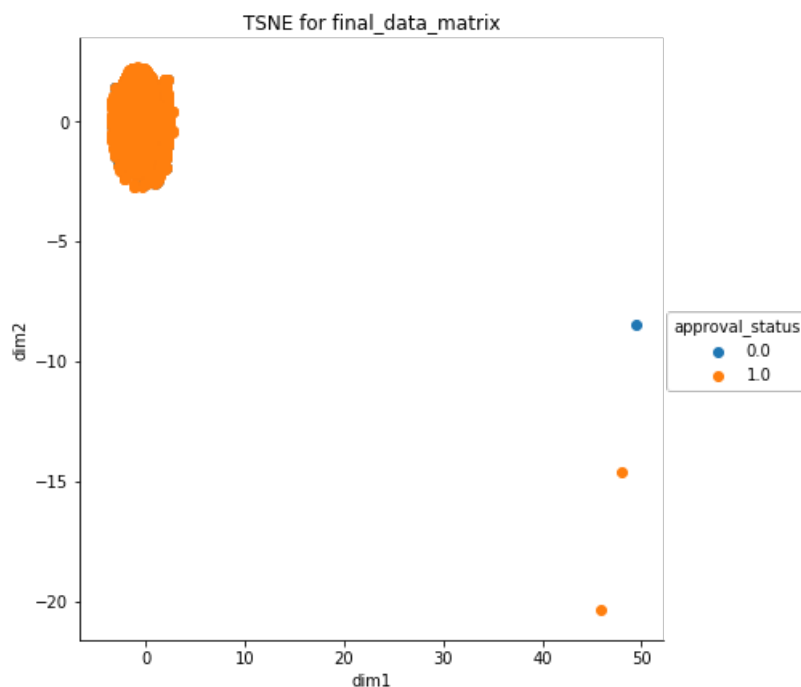
```
In [156]:
```

```
#tsne
from sklearn.manifold import TSNE
model = TSNE(n_components=2, random_state=0, perplexity = 50, n_iter = 10000)

tsne_data = model.fit_transform(final_data_matrix)

tsne_data = np.vstack((tsne_data.T, approval_status)).T
tsne_df = pd.DataFrame(data=tsne_data, columns=("dim1", "dim2", "approval_status"))

# Plotting the result of tsne
sns.FacetGrid(tsne_df, hue="approval_status", size=6).map(plt.scatter, 'dim1', 'dim2').add_legend()
plt.title("TSNE for final_data_matrix")
plt.show()
```



OBSERVATION: Eventhough we find the positive points clustered at a place, still the blue points are not able to be separated clearly from those orange points.

**TSNE on DATA MATRIX(categories_one_hot,
sub_categories_one_hot, title_bow,
price_normalized,teacherprefix_one_hot, grades_one_hot,
states_one_hot, avg_w2v_title)**

```
In [156]:
```

```
# merge two sparse matrices: https://stackoverflow.com/a/19710648/4084039
from scipy.sparse import hstack
# with the same hstack function we are concatenating a sparse matrix and a dense matrix :)
final_data_matrix = hstack((categories_one_hot, sub_categories_one_hot, title_bow,
price_normalized,teacherprefix_one_hot, grades_one_hot, states_one_hot, avg_w2v_title))
final_data_matrix.shape
```

```
Out[156]:
```

```
(7000, 907)
```

In [157]:

```
# convert sparse to dense as tsne takes dense vector
final_data_matrix = final_data_matrix.todense()
```

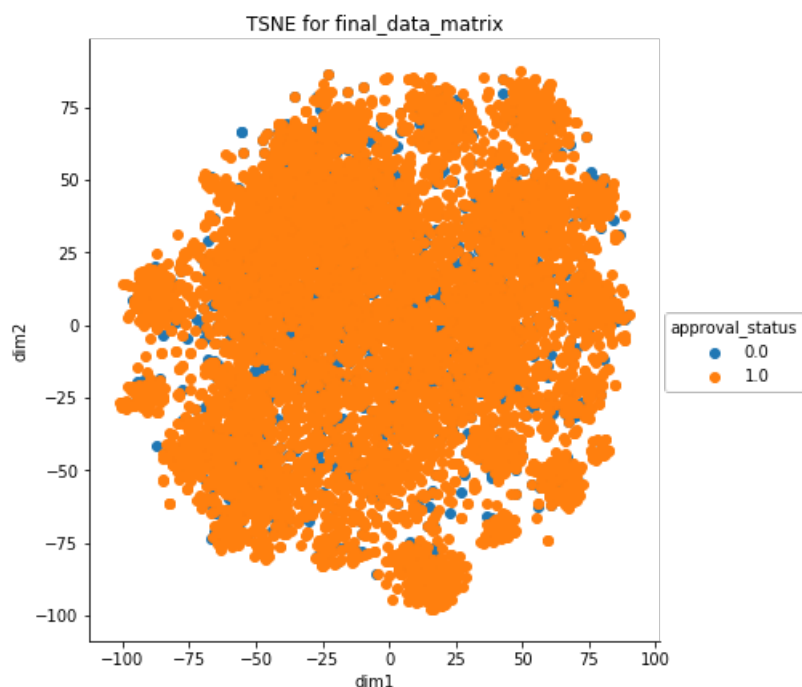
In [158]:

```
#tsne
from sklearn.manifold import TSNE
model = TSNE(n_components=2, random_state=0, perplexity = 50, n_iter = 10000)

tsne_data = model.fit_transform(final_data_matrix)

tsne_data = np.vstack((tsne_data.T, approval_status)).T
tsne_df = pd.DataFrame(data=tsne_data, columns=("dim1", "dim2", "approval_status"))

# Plotting the result of tsne
sns.FacetGrid(tsne_df, hue="approval_status", size=6).map(plt.scatter, 'dim1', 'dim2').add_legend()
plt.title("TSNE for final_data_matrix")
plt.show()
```



OBSERVATION: The TSNE plot implemented using the final data matrix also does not help in classifying the labels.

TSNE on DATA MATRIX(categories_one_hot, sub_categories_one_hot, title_bow, price_normalized, teacherprefix_one_hot, grades_one_hot, states_one_hot, tfidf_w2v_title)

In [158]:

```
# merge two sparse matrices: https://stackoverflow.com/a/19710648/4084039
from scipy.sparse import hstack
# with the same hstack function we are concatenating a sparse matrix and a dense matrix :)
final_data_matrix = hstack((categories_one_hot, sub_categories_one_hot, title_bow,
price_normalized, teacherprefix_one_hot, grades_one_hot, states_one_hot, tfidf_w2v_title))
final_data_matrix.shape
```

Out[158]:

(7000, 907)

In [159]:

```
In [159]:
```

```
# convert sparse to dense as tsne takes dense vector
final_data_matrix = final_data_matrix.todense()
```

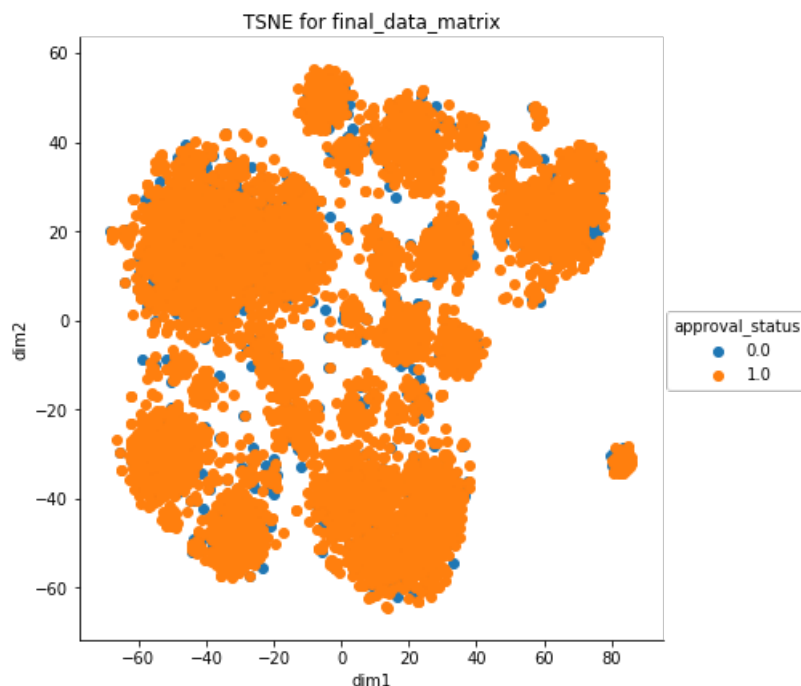
```
In [160]:
```

```
#tsne
from sklearn.manifold import TSNE
model = TSNE(n_components=2, random_state=0, perplexity = 50, n_iter = 10000)

tsne_data = model.fit_transform(final_data_matrix)

tsne_data = np.vstack((tsne_data.T, approval_status)).T
tsne_df = pd.DataFrame(data=tsne_data, columns=("dim1", "dim2", "approval_status"))

# Plotting the result of tsne
sns.FacetGrid(tsne_df, hue="approval_status", size=6).map(plt.scatter, 'dim1', 'dim2').add_legend()
plt.title("TSNE for final_data_matrix")
plt.show()
```



OBSERVATION: The TSNE plot implemented using the final data matrix also does not help in classifying the labels.

TSNE on DATA MATRIX(categories_one_hot, sub_categories_one_hot, text_bow, price_normalized, teacherprefix_one_hot, grades_one_hot, states_one_hot, title_one_hot)

```
In [161]:
```

```
# merge two column text dataframe:
project_data["essay"] = project_data["project_essay_1"].map(str) + \
    project_data["project_essay_2"].map(str) + \
    project_data["project_essay_3"].map(str) + \
    project_data["project_essay_4"].map(str)
```

```
In [162]:
```

```
# Combining all the above statemennts
from tqdm import tqdm
preprocessed_essays = []
# tqdm is for printing the status bar
for sentence in tqdm(project_data['essay'].values):
    sent = decontracted(sentence)
    sent = sent.replace('\\r', ' ')
```

```
100%|██████████████████████████████████████████████████████████████████████████| 7000/7000  
[00:04<00:00, 1717.89it/s]
```

```
# We are considering only the words which appeared in at least 10 documents(rows or projects).
vectorizer = CountVectorizer(min_df=10)
text_bow = vectorizer.fit_transform(preprocessed_essays)
print("Shape of matrix after one hot encodig ",text_bow.shape)
```

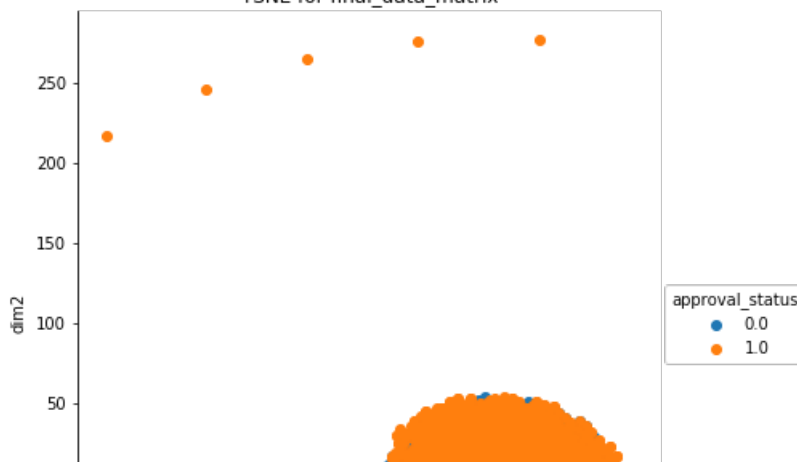
In [164]:

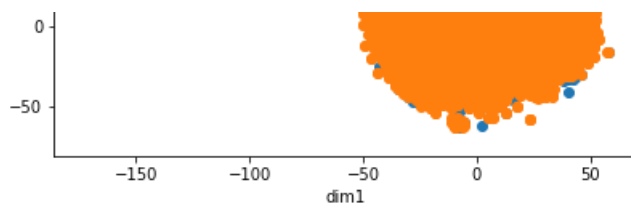
Out [164] :

In [165]:

In [163]:

TSNE for final data matrix





OBSERVATION: The TSNE plot implemented using the above data matrix also does not help in classifying the labels.

TSNE on DATA MATRIX(categories_one_hot, sub_categories_one_hot, text_bow, price_normalized, teacherprefix_one_hot, grades_one_hot, states_one_hot, final_tf_idf_data)

In [166]:

```
# merge two sparse matrices: https://stackoverflow.com/a/19710648/4084039
from scipy.sparse import hstack
# with the same hstack function we are concatenating a sparse matrix and a dense matrix :)
final_data_matrix = hstack((categories_one_hot, sub_categories_one_hot, text_bow, price_normalized,
teacherprefix_one_hot, grades_one_hot, states_one_hot, final_tf_idf_data))
final_data_matrix.shape
```

Out[166]:

```
(7000, 16354)
```

In [167]:

```
# convert sparse to dense as tsne takes dense vector
final_data_matrix = final_data_matrix.todense()
```

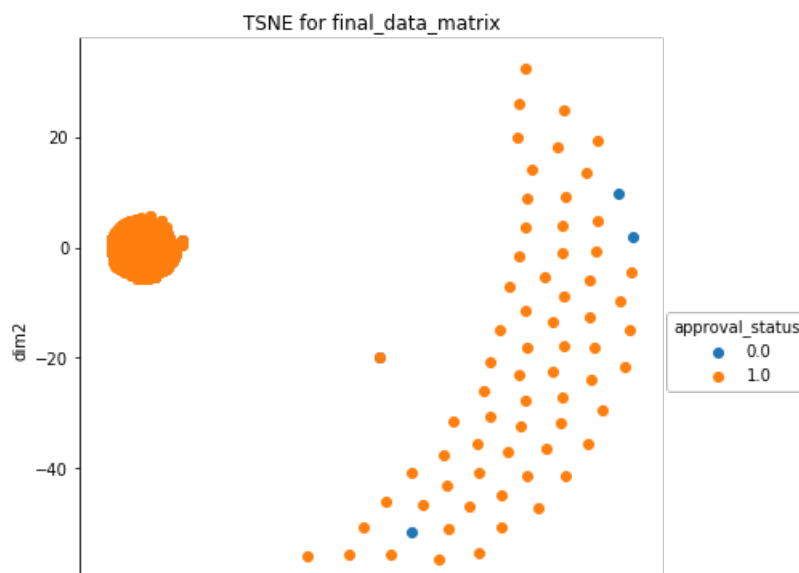
In [170]:

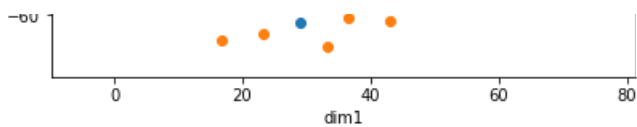
```
#tsne
from sklearn.manifold import TSNE
model = TSNE(n_components=2, random_state=0, perplexity = 50, n_iter = 10000)

tsne_data = model.fit_transform(final_data_matrix)

tsne_data = np.vstack((tsne_data.T, approval_status)).T
tsne_df = pd.DataFrame(data=tsne_data, columns=("dim1", "dim2", "approval_status"))

# Plotting the result of tsne
sns.FacetGrid(tsne_df, hue="approval_status", size=6).map(plt.scatter, 'dim1', 'dim2').add_legend()
plt.title("TSNE for final_data_matrix")
plt.show()
```





OBSERVATION: The TSNE plot implemented using the final data matrix also does not help in classifying the labels.

TSNE on DATA MATRIX(categories_one_hot, sub_categories_one_hot, text_bow, price_normalized, teacherprefix_one_hot, grades_one_hot, states_one_hot, avg_w2v_title)

In [168]:

```
# merge two sparse matrices: https://stackoverflow.com/a/19710648/4084039
from scipy.sparse import hstack
# with the same hstack function we are concatenating a sparse matrix and a dense matrix :)
final_data_matrix = hstack((categories_one_hot, sub_categories_one_hot, text_bow, price_normalized,
teacherprefix_one_hot, grades_one_hot, states_one_hot, avg_w2v_title))
final_data_matrix.shape
```

Out[168]:

```
(7000, 5621)
```

In [169]:

```
# convert sparse to dense as tsne takes dense vector
final_data_matrix = final_data_matrix.todense()
```

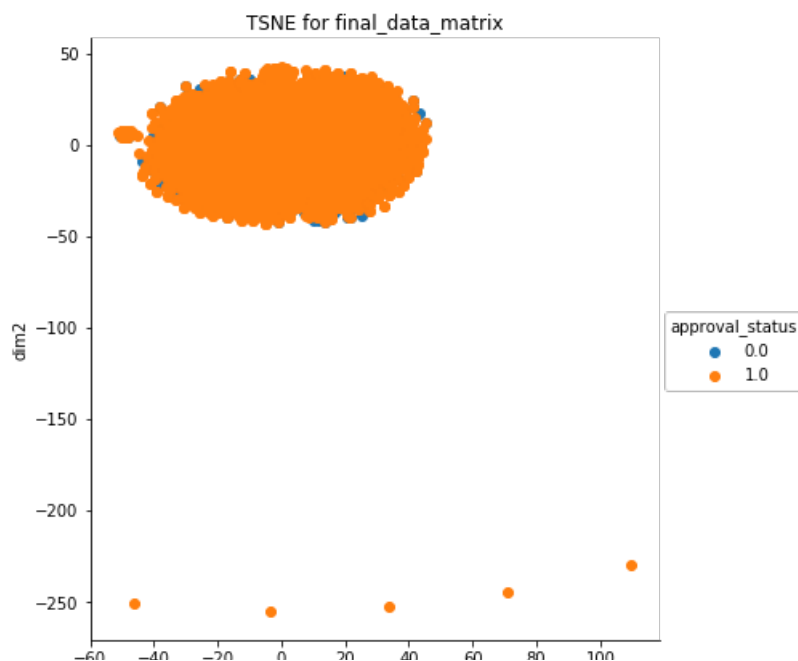
In [173]:

```
#tsne
from sklearn.manifold import TSNE
model = TSNE(n_components=2, random_state=0, perplexity = 50, n_iter = 10000)

tsne_data = model.fit_transform(final_data_matrix)

tsne_data = np.vstack((tsne_data.T, approval_status)).T
tsne_df = pd.DataFrame(data=tsne_data, columns=("dim1", "dim2", "approval_status"))

# Plotting the result of tsne
sns.FacetGrid(tsne_df, hue="approval_status", size=6).map(plt.scatter, 'dim1', 'dim2').add_legend()
plt.title("TSNE for final_data_matrix")
plt.show()
```



OBSERVATION: The TSNE plot implemented using the above data matrix also does not help in classifying the labels.

TSNE on DATA MATRIX(categories_one_hot, sub_categories_one_hot, text_bow, price_normalized, teacherprefix_one_hot, grades_one_hot, states_one_hot, tfidf_w2v_title)

In [170]:

```
# merge two sparse matrices: https://stackoverflow.com/a/19710648/4084039
from scipy.sparse import hstack
# with the same hstack function we are concatenating a sparse matrix and a dense matrix :)
final_data_matrix = hstack((categories_one_hot, sub_categories_one_hot, text_bow, price_normalized,
teacherprefix_one_hot, grades_one_hot, states_one_hot, tfidf_w2v_title))
final_data_matrix.shape
```

Out[170]:

```
(7000, 5621)
```

In [171]:

```
# convert sparse to dense as tsne takes dense vector
final_data_matrix = final_data_matrix.todense()
```

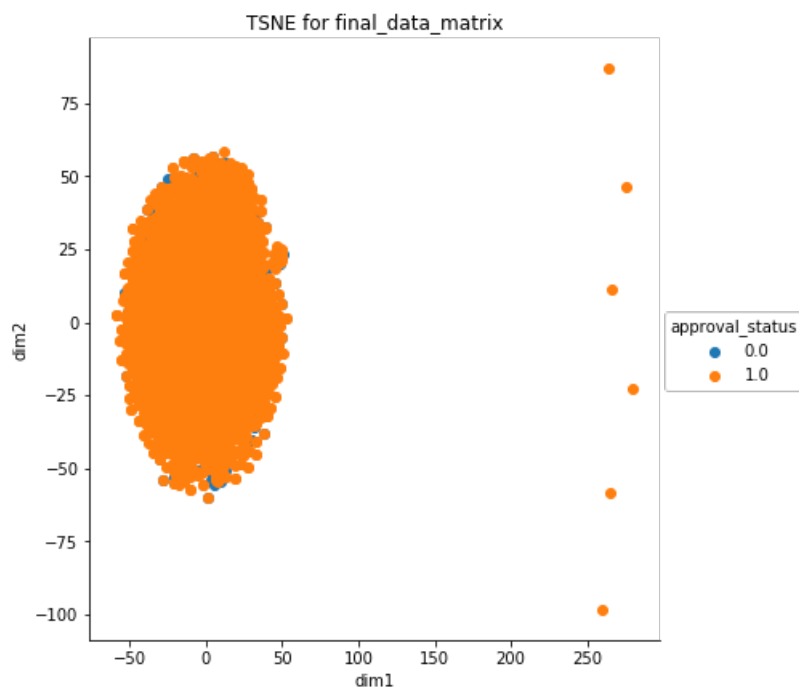
In [172]:

```
#tsne
from sklearn.manifold import TSNE
model = TSNE(n_components=2, random_state=0, perplexity = 50, n_iter = 10000)

tsne_data = model.fit_transform(final_data_matrix)

tsne_data = np.vstack((tsne_data.T, approval_status)).T
tsne_df = pd.DataFrame(data=tsne_data, columns=("dim1", "dim2", "approval_status"))

# Plotting the result of tsne
sns.FacetGrid(tsne_df, hue="approval_status", size=6).map(plt.scatter, 'dim1', 'dim2').add_legend()
plt.title("TSNE for final_data_matrix")
plt.show()
```



OBSERVATION: The TSNE plot implemented using the above data matrix also does not help in classifying the labels.

2.5 Conclusions

OBSERVATION: 1.The above plots does not enable us to classify approved(1.0) and un-approved(0.0) points clearly. 2.The approved projects are more dense, as the count of approved projects is more. 3.May be using more number of data points(>7000), might reveal some more details. 4.The TSNE plot implemented using the final data matrix also does not help in classifying the labels. Although we are able to form some compact cluster using some data matrices. We are unable to clearly classify the two class labels.