Pre-Work:
Introduction to data collection and analysis (Teacher)
Creation of Introduction presentation (Mentor)

- **Meeting 1**
  - Teacher and Mentor- Walk the kids through the idea
  - Pick a topic as a class
    - Find a topic which they want to explore through data.
  - Outline that this means we need to get data
    - Discuss ways for gathering data. Include surveys as an option.
  - Survey Audience
    - Who do we want for a survey audience? For example; what grades?
  - Method of gathering
    - Anonymous vs in person
  - Brainstorm survey questions
    - Types of survey questions
      - Information about the person being surveyed
      - information about topic
      - Open text
      - Need 4 categorical, 4 numerical (put slides), 2 open text

- **Meeting 2**
  - Review survey template
  - Data consolidation discussion
    - Mentor to show the template that kids will fill out to turn in their survey data.
  - Discuss how to unbiasedly survey
  - Create data collection goals
  - Set survey volume goals
    - Need about 150-200 total
  - Timeline
  - Q&A

- **Meeting #3**
  - What did the students learn? How did they feel?
  - Review the data set
  - Review high level graphs
  - Review what we want to collect and how many images we need. Images can be the following types:
    - Graphs (hand drawn)
    - Graphs created with computer, using any software. Including: Google Sheets, Excel, RAWGraphs.io, Infogram, Tagxedo, Wordle, R
    - Drawings about the subject
    - Pics from the internet about the topic
    - Pics taken during the actual data collection
    - Quotes around what was learned
    - Quotes about what people said in open text
  - Brainstorm about other things we could gather
  - Pick a color scheme together as a class

Pre-Work:
Create Lab (Mentor)

- **Meeting #4**

  - Demo + Lab (3 graphs on their data set)
  - Set expectation on volume with kids

Pre-work:
None ☺

- **Meeting #5 – *Optional* Mentor Meeting Check-ins with Teams**
  - Show and tell
  - Q&A help
  - Graphing

Pre-Work:
Submission of all images (Kids)
Review of content (Teacher and Mentor)

- **Meeting #6 Class Review**
    - Decide on the large picture (pick 2-3)
    - Pick some awesome highlight pictures
    - Come up with the story of what we learned as a class
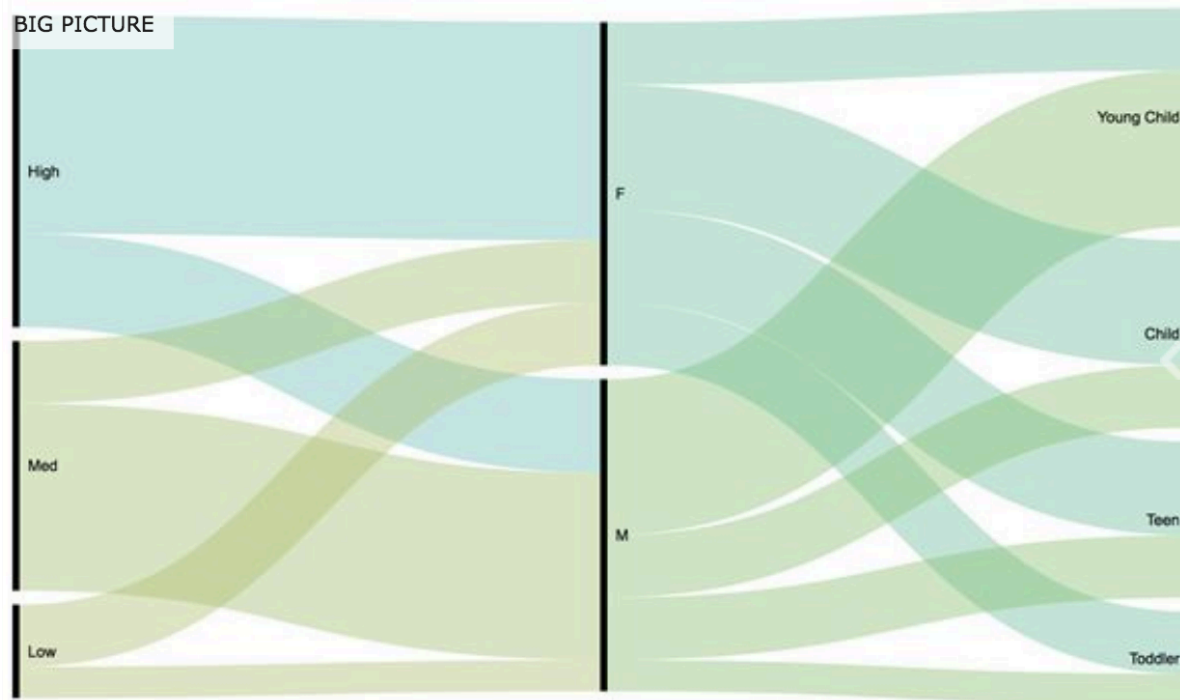   - Get quotes from students on overall learnings
    - Do small write up

Mosaic Mockup and details
- Site: https://mosaically.com
- The mockup below has 20 pics so it's poor quality
- Should try to get as many images similar to color scheme as possible
- Need 250-500 pictures

Example main graph

Example mosaic mockup