SUYI Report: Baseline (2010-11) to Year 4 (2014-15)

This report was based on analysis of the following data files on the T drive in the directory:

T:\Provost\CSCE\SHARED\Data Analyst\SPS De-identified Data

* Baseline Data\Data\_SY10-11.csv
* Year 1\_Nov 6 2012\Data\_SY11-12.csv
* Year 2\_Dec 12 2013\SUYI Proxy Data 2012-2013.csv
* Year 3\_Dec 22 2014\SeaUGatzertReport\_20150109\_SY1314List.xlsx
* Year 4\_Dec 15\SPS Files\SUYI\_Gatzert\_Yesler\_2014 Proxied List n 1039 w Yesler Terrace Identifier

These files correspond to five years of data from baseline (2010-11) to Year 4 (2014-15).

**1. Enrollment and demographics**

As shown in Table 1, the enrollment and demographics of SUYI students remained relatively stable until Year 4 when the number of students decreased to 1032. Other SUYI demographics have remained stable: The vast majority of SUYI participants are students of color; over a quarter of students participated in a bilingual program; and more than half spoke a language that is not English at home.

Table 1: Enrollment and demographics of SUYI students

**2. SUYI Students by school**

As shown in Table 2 and Figure 1, the top three schools that SUYI students enrolled in are Garfield High School, Bailey Gatzert Elementary, and Washington Middle School. Over the years, student enrollment in the three schools has either increased or remained stable, despite the decrease in the total number of SUYI students (See Table 1). In the baseline year, students in the three schools accounted for less than half (47%) of SUYI students. In Year 4, students in the three schools represented 66% of total SUYI students. Tables 9-13 in the Appendix show the full list of schools that SUYI students enrolled in.

Table 2: Number and percent of SUYI students by school



Figure 1: The number of SUYI students at Garfield, Gatzert, and Washington

Table 3 further breaks down the number of SUYI students by grade level. It illustrates the percentage of students who attended Bailey Gatzert Elementary, Washington Middle School, and Garfield High School out of the total number of elementary, middle school, and high school students, respectively. For example, in 2010-11, only 34% of elementary school students in the SUYI zone attended Bailey Gatzert Elementary. By 2014-15, that number increased to 52%, meaning that more than half of elementary students in the SUYI zone attended Bailey Gatzert Elementary. Figure 2 shows the growth of student enrollment in the three schools.

Table 3: Number of SUYI students by grade level

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Baseline | Year 1 | Year 2 | Year 3 | Year 4 |
| Elementary (K-5th grade) | **542** | **532** | **510** | **499** | **459** |
| Bailey Gatzert Elementary | 184 (34%) | 224 (42%) | 237 (46%) | 245 (49%) | 147 (52%) |
| Middle school (6th-8th grade) | **258** | **253** | **234** | **221** | **205** |
| Washington Middle School | 169 (66%) | 187 (74%) | 186 (79%) | 161 (73%) | 165 (80%) |
| High school (9th-12th grade) | **394** | **444** | **437** | **435** | **368** |
| Garfield High School | 211 (54%) | 277 (62%) | 307 (70%) | 301 (69%) | 276 (75%) |
| Total | **1194** | **1229** | **1181** | **1155** | **1032** |

Figure 2: The percentages of SUYI students at Gatzert, Washington, Garfield out of elementary, middle and high school students in the SUYI zone

**3. High school graduation rate**

As shown in Table 4, the number of students who graduated from high school has increased from baseline to year 4, and the high school graduation rate saw a small increase between Year 3 and 4 (60% to 64%).

Table 4: High school graduation rate of SUYI students

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Baseline | Year 1 | Year 2 | Year 3 | Year 4 |
| Number of 12th grade students | 62 | 88 | 113 | 131 | 113 |
| Number of 12th grade students who graduated | 37 | 54 | N/A[[1]](#footnote-1) | 78 | 72 |
| High school graduation rate | 60% | 61% | N/A | 60% | 64% |

**4. Academic performance**

To assess academic performance, this report considers the percent of students in 3rd-8th grades who were proficient in math and English language arts on the Smarter Balanced state test. During the 2014-15 school year, Washington State administered the Smarter Balanced state assessment for the first time. Contrasted with the previously administered Measurements of Student Progress (MSP), the Smarter Balanced assessment is a computer adaptive test that is administered online. The test requires that students read more complex text and gets progressively more difficult as students answer more questions correctly. Because of the change in testing, this report treats 2014-15 as a baseline year and provides graphical representation of the baseline data, by grade. Table 5 presents the percentage of students who met English language arts or math standards. Figures 3 and 4 provide another visualization for the data in Table 5.

3rd graders performed the highest in math, with 4th graders performed the highest in English language arts. 4th graders also performed well in math and were only 4 percentage points behind third graders, on average. Special attention should be given to the 8th grade class, which performed lowest in both math and English language arts.

Table 5: Percentage of students who met math and English language arts standards

|  |  |  |
| --- | --- | --- |
|  | **English Language Arts** | **Math** |
| 3rd | 36% | 47% |
| 4th | 46% | 43% |
| 5th | 39% | 36% |
| 6th | 39% | 37% |
| 7th | 32% | 38% |
| 8th | 31% | 30% |

Figure 3: The percentage of SUYI students who met reading standards

Figure 4: The percentage of SUYI students who met math standards

**5. Cross-sectional analysis of school attendance**

The cross-sectional analysis helps us understand how different groups of SUYI students are doing at the same grade level each year. For example, how are this year’s third graders doing in math compared to last year’s third graders? The assumption is that without interventions, students at the same grade level will perform similarly each year. The growth of performance at the same grade level after participating in the SUYI program is evidence for program effectiveness.

Table 6 presents the percentage of students who had less than 10 absent days in a school year at each grade level. Most elementary grade improved in their attendance since the previous year, with the exception of 2nd grade. At the middle and high school levels, 7th and 9th grades were the only groups to see improvement in the last two years. This pattern continues when looking at the change since baseline, the only exception is that first graders also saw a decrease in attendance since baseline. 3rd graders have made the most improvement, moving from 54% to 82%.

Table 6: Percentage of students who had less than 10 absent days

**5. Cohort analysis of school attendance**

The cohort analysis helps us understand how the same group of SUYI students are doing at different grade levels as they progress in school. For example, how are last year’s third graders doing in math this year, in fourth grade, as compared to last year, in third grade?

The grade levels in Table 8 were students’ grade levels in the 2014-15 school year. As shown in Table 8, the following conclusions can be drawn in terms of school attendance:

* Cohorts tend to make steady progress in attendance until they reach 8th grade. The class of 2019 (current 8th graders) and older have all dipped below their baseline attendance rates, while the class of 2020 (current 7th graders) and below have all increased since baseline.
* Special attention should be paid to the middle school transition period. Although the cohorts are still above baseline, the classes of 2020 and 2021 (6th and 7th graders during the 2014-15 school year) both started to decrease in attendance at the 6th grade mark.
* Class of 2024 (3rd graders in 2014-15) has made the most progress, moving from 50% of students with fewer than ten absences to 82%.

Table 8: Percentage of students who had less than 10 absent days by cohort



Appendix

Table 9: SUYI students by school in 2010-11

|  |  |  |
| --- | --- | --- |
| School name | Number of students | Percent of students |
| Garfield High School | 211 | 18% |
| Bailey Gatzert Elementary | 184 | 15% |
| Washington Middle School | 169 | 14% |
| Leschi Elementary | 67 | 6% |
| Madrona K-8 School | 66 | 6% |
| Thurgood Marshall Elementary | 54 | 5% |
| Stevens Elementary | 41 | 3% |
| Interagency | 37 | 3% |
| TOPS K-8 | 34 | 3% |
| Franklin High School | 32 | 3% |
| World School | 20 | 2% |
| Cleveland | 18 | 2% |
| Rainier Beach | 17 | 1% |
| B.F. Day | 16 | 1% |
| Kimball | 16 | 1% |
| Roosevelt | 15 | 1% |
| Hawthorne | 13 | 1% |
| Beacon Hill Int'l | 11 | 1% |
| Ingraham | 10 | 1% |
| Orca K-8 | 9 | 1% |
| John Muir | 8 | 1% |
| Mercer | 8 | 1% |
| Nathan Hale | 8 | 1% |
| Aki Kurose | 7 | 1% |
| Lowell | 7 | 1% |
| Maple | 7 | 1% |
| Ballard | 6 | 1% |
| Madison | 6 | 1% |
| McClure | 6 | 1% |
| Montlake | 6 | 1% |
| Chief Sealth Int'l | 5 | 0% |
| Graham Hill | 5 | 0% |
| West Seattle HS | 5 | 0% |
| Middle College | 4 | 0% |
| Nova | 4 | 0% |
| Queen Anne | 4 | 0% |
| South Lake | 4 | 0% |
| Wedgwood | 4 | 0% |
| Broadview-Thomson K-8 | 3 | 0% |
| Education Service Center | 3 | 0% |
| Salmon Bay K-8 | 3 | 0% |
| Sand Point | 3 | 0% |
| South Shore PK-8 | 3 | 0% |
| Center School | 2 | 0% |
| Dearborn Park | 2 | 0% |
| Denny Int'l | 2 | 0% |
| Dunlap | 2 | 0% |
| Eckstein | 2 | 0% |
| Highland Park | 2 | 0% |
| John Stanford Int'l | 2 | 0% |
| Laurelhurst | 2 | 0% |
| McGilvra | 2 | 0% |
| Pinehurst K-8 | 2 | 0% |
| RES Consortium | 2 | 0% |
| Coe | 1 | 0% |
| Gatewood | 1 | 0% |
| Hamilton Int'l | 1 | 0% |
| Lawton | 1 | 0% |
| Northgate | 1 | 0% |
| Pathfinder K-8 | 1 | 0% |
| Private School Services | 1 | 0% |
| Roxhill | 1 | 0% |
| Sacajawea | 1 | 0% |
| Thornton Creek | 1 | 0% |
| Van Asselt | 1 | 0% |
| View Ridge | 1 | 0% |
| Wing Luke | 1 | 0% |
| Total | 1194 | 100% |

Table 10: SUYI students by school in 2011-12

|  |  |  |
| --- | --- | --- |
| School name | Number of students | Percent of students |
| Garfield High School | 277 | 23% |
| Bailey Gatzert Elementary | 224 | 18% |
| Washington Middle School | 187 | 15% |
| Leschi Elementary | 59 | 5% |
| Interagency | 49 | 4% |
| Madrona K-8 School | 47 | 4% |
| Thurgood Marshall Elementary | 44 | 4% |
| Stevens Elementary | 37 | 3% |
| TOPS K-8 | 37 | 3% |
| Franklin High School | 25 | 2% |
| Cleveland | 16 | 1% |
| Lowell | 16 | 1% |
| World School | 16 | 1% |
| B.F. Day | 14 | 1% |
| Rainier Beach | 13 | 1% |
| Roosevelt | 13 | 1% |
| Beacon Hill Int'l | 9 | 1% |
| Kimball | 9 | 1% |
| McGilvra | 9 | 1% |
| Montlake | 8 | 1% |
| Mercer | 7 | 1% |
| West Seattle HS | 7 | 1% |
| Nathan Hale | 6 | 0% |
| Nova | 6 | 0% |
| South Lake | 6 | 0% |
| Ballard | 5 | 0% |
| Dearborn Park | 5 | 0% |
| Hawthorne | 5 | 0% |
| Ingraham | 5 | 0% |
| McClure | 5 | 0% |
| Orca K-8 | 5 | 0% |
| Aki Kurose | 4 | 0% |
| John Muir | 4 | 0% |
| Madison | 4 | 0% |
| Maple | 4 | 0% |
| Sand Point | 4 | 0% |
| Coe | 3 | 0% |
| Middle College | 3 | 0% |
| Queen Anne | 3 | 0% |
| Chief Sealth Int'l | 2 | 0% |
| Denny Int'l | 2 | 0% |
| Dunlap | 2 | 0% |
| Laurelhurst | 2 | 0% |
| Van Asselt | 2 | 0% |
| Adams | 1 | 0% |
| Bagley | 1 | 0% |
| Cascade | 1 | 0% |
| Eckstein | 1 | 0% |
| Education Service Center | 1 | 0% |
| Experimental Ed | 1 | 0% |
| Graham Hill | 1 | 0% |
| Jane Addams K-8 | 1 | 0% |
| Lawton | 1 | 0% |
| Pathfinder K-8 | 1 | 0% |
| Pinehurst K-8 | 1 | 0% |
| Private School Services | 1 | 0% |
| RES Consortium | 1 | 0% |
| Sacajawea | 1 | 0% |
| Salmon Bay K-8 | 1 | 0% |
| South Shore PK-8 | 1 | 0% |
| Thornton Creek | 1 | 0% |
| View Ridge | 1 | 0% |
| Whitman | 1 | 0% |
| Total | 1229 | 100% |

Table 11: SUYI students by school in 2012-13

|  |  |  |
| --- | --- | --- |
| School name | Number of students | Percent of students |
| Garfield High School | 307 | 26% |
| Bailey Gatzert Elementary | 237 | 20% |
| Washington Middle School | 186 | 16% |
| Leschi Elementary | 60 | 5% |
| Interagency at KC Youth Service | 49 | 4% |
| TOPS K-8 School | 33 | 3% |
| Stevens Elementary | 30 | 3% |
| Thurgood Marshall Elementary | 28 | 2% |
| Madrona K-8 School | 25 | 2% |
| Franklin High School | 17 | 1% |
| Lowell Elementary | 17 | 1% |
| Kimball Elementary | 11 | 1% |
| Seattle World School | 11 | 1% |
| B.F. Day Elementary | 10 | 1% |
| Aki Kurose Middle School | 9 | 1% |
| Cleveland High School | 8 | 1% |
| Hawthorne Elementary | 8 | 1% |
| South Lake High School | 8 | 1% |
| Roosevelt High School | 7 | 1% |
| West Seattle High School | 7 | 1% |
| Beacon Hill International School | 6 | 1% |
| McGilvra Elementary | 6 | 1% |
| John Muir Elementary | 5 | 0% |
| McClure Middle School | 5 | 0% |
| Middle College | 5 | 0% |
| Montlake Elementary | 5 | 0% |
| Cascade Parent Partnership | 4 | 0% |
| Nova High School | 4 | 0% |
| Orca K-8 School | 4 | 0% |
| Rainier Beach High School | 4 | 0% |
| South Shore K-8 School | 4 | 0% |
| Van Asselt Elementary | 4 | 0% |
| Ballard | 3 | 0% |
| Dearborn Park International School | 3 | 0% |
| Eckstein Middle School | 3 | 0% |
| Frantz Coe Elementary | 3 | 0% |
| Ingraham | 3 | 0% |
| Interagency at KC Youth Service | 3 | 0% |
| Laurelhurst Elementary | 3 | 0% |
| Madison Middle School | 3 | 0% |
| Sand Point | 3 | 0% |
| The Center School | 3 | 0% |
| Licton Springs K-8 School | 2 | 0% |
| Maple Elementary | 2 | 0% |
| Pathfinder K-8 School | 2 | 0% |
| Queen Anne Elementary | 2 | 0% |
| View Ridge | 2 | 0% |
| Viewlands Elementary | 2 | 0% |
| Whitman Middle School | 2 | 0% |
| Denny Int'l | 1 | 0% |
| Dunlap | 1 | 0% |
| Gatewood Elementary | 1 | 0% |
| Lawton Elementary | 1 | 0% |
| Martin Luther King Jr. Elementary | 1 | 0% |
| Mercer International Middle School | 1 | 0% |
| Nathan Hale High School | 1 | 0% |
| Private School Services | 1 | 0% |
| Sacajawea | 1 | 0% |
| Salmon Bay School | 1 | 0% |
| School ID 262[[2]](#footnote-2) | 2 | 0% |
| School ID 209 | 1 | 0% |
| Total | 1181 | 100% |

Table 12: SUYI students by school in 2013-14

|  |  |  |
| --- | --- | --- |
| School name | Number of students | Percent of students |
| Garfield High School | 301 | 26% |
| Bailey Gatzert Elementary | 245 | 21% |
| Washington Middle School | 161 | 14% |
| Leschi Elementary | 60 | 5% |
| Interagency Academy | 50 | 4% |
| TOPS K-8 School | 37 | 3% |
| Madrona K-8 School | 35 | 3% |
| Stevens Elementary | 28 | 2% |
| Interagency at KC Youth Service | 24 | 2% |
| Lowell Elementary | 23 | 2% |
| Thurgood Marshall Elementary | 18 | 2% |
| Seattle World School | 17 | 1% |
| Franklin High School | 12 | 1% |
| Middle College High School | 8 | 1% |
| Aki Kurose Middle School | 7 | 1% |
| Kimball Elementary | 7 | 1% |
| Hawthorne Elementary | 6 | 1% |
| John Muir Elementary | 6 | 1% |
| Montlake Elementary | 6 | 1% |
| South Lake High School | 6 | 1% |
| South Shore K-8 School | 6 | 1% |
| B.F. Day Elementary | 5 | 0% |
| Beacon Hill International School | 5 | 0% |
| Cascade Parent Partnership | 5 | 0% |
| McClure Middle School | 5 | 0% |
| McGilvra Elementary | 5 | 0% |
| Nova High School | 5 | 0% |
| Orca K-8 School | 5 | 0% |
| Rainier Beach High School | 5 | 0% |
| Cleveland High School | 4 | 0% |
| Dearborn Park International School | 4 | 0% |
| Not Applicable | 4 | 0% |
| Roosevelt High School | 4 | 0% |
| Laurelhurst Elementary | 3 | 0% |
| Queen Anne Elementary | 3 | 0% |
| Eckstein Middle School | 2 | 0% |
| Frantz Coe Elementary | 2 | 0% |
| K-5 STEM at Boren | 2 | 0% |
| Madison Middle School | 2 | 0% |
| Maple Elementary | 2 | 0% |
| The Center School | 2 | 0% |
| Van Asselt Elementary | 2 | 0% |
| West Seattle High School | 2 | 0% |
| Daniel Bagley Elementary | 1 | 0% |
| Gatewood Elementary | 1 | 0% |
| Hamilton International Middle School | 1 | 0% |
| Lawton Elementary | 1 | 0% |
| Licton Springs K-8 School | 1 | 0% |
| Martin Luther King Jr. Elementary | 1 | 0% |
| Mercer International Middle School | 1 | 0% |
| Nathan Hale High School | 1 | 0% |
| Olympic Hills Elementary | 1 | 0% |
| Pathfinder K-8 School | 1 | 0% |
| Salmon Bay School | 1 | 0% |
| Viewlands Elementary | 1 | 0% |
| West Seattle Elementary | 1 | 0% |
| Whitman Middle School | 1 | 0% |
| Total | 1155 | 100% |

Table 13: SUYI students by school in 2014-15

|  |  |  |
| --- | --- | --- |
| **School Name** | **Number of Students** | **Percent of Students** |
| Garfield High School | 276 | 27% |
| Bailey Gatzert Elementary | 237 | 23% |
| Washington Middle School | 165 | 16% |
| Leschi Elementary | 59 | 6% |
| TOPS K-8 School | 42 | 4% |
| Interagency Academy | 35 | 3% |
| Madrona K-8 School | 32 | 3% |
| Lowell Elementary | 18 | 2% |
| Stevens Elementary | 17 | 2% |
| Thurgood Marshall Elementary | 17 | 2% |
| South Lake High School | 11 | 1% |
| Seattle World School | 9 | 1% |
| Nova High School | 8 | 1% |
| Franklin High School | 7 | 1% |
| John Muir Elementary | 7 | 1% |
| Middle College High School | 7 | 1% |
| Montlake Elementary | 7 | 1% |
| McGilvra Elementary | 6 | 1% |
| Rainier Beach High School | 6 | 1% |
| Orca K-8 School | 5 | 0% |
| South Shore K-8 School | 5 | 0% |
| B.F. Day Elementary | 4 | 0% |
| Cascade Parent Partnership | 4 | 0% |
| Dearborn Park International School | 4 | 0% |
| Kimball Elementary | 4 | 0% |
| Cleveland STEM High School | 3 | 0% |
| McClure Middle School | 3 | 0% |
| West Seattle High School | 3 | 0% |
| Aki Kurose Middle School | 2 | 0% |
| Beacon Hill International School | 2 | 0% |
| Hawthorne Elementary | 2 | 0% |
| Queen Anne Elementary | 2 | 0% |
| Roosevelt High School | 2 | 0% |
| Bryant Elementary | 1 | 0% |
| Daniel Bagley Elementary | 1 | 0% |
| Denny International Middle School | 1 | 0% |
| Eckstein Middle School | 1 | 0% |
| Gatewood Elementary | 1 | 0% |
| John Hay Elementary | 1 | 0% |
| Laurelhurst Elementary | 1 | 0% |
| Louisa Boren STEM K-8 School | 1 | 0% |
| Martin Luther King Jr. Elementary | 1 | 0% |
| Mercer International Middle School | 1 | 0% |
| Nathan Hale High School | 1 | 0% |
| Olympic Hills Elementary | 1 | 0% |
| Pathfinder K-8 School | 1 | 0% |
| Private School Services | 1 | 0% |
| Rainier View Elementary | 1 | 0% |
| Roxhill Elementary | 1 | 0% |
| Salmon Bay School | 1 | 0% |
| Sand Point Elementary | 1 | 0% |
| The Center School | 1 | 0% |
| Van Asselt Elementary | 1 | 0% |
| Viewlands Elementary | 1 | 0% |
|  | 1032 | 100% |

1. The SPS Year 2 data file did not include graduation information. [↑](#footnote-ref-1)
2. The Year 2 data file has only school IDs, without school names. The corresponding school names were found from other years’ data files. However, School ID 262 and 209 in Year 2 do not exist in Baseline, Year 1 and Year 3 data files. [↑](#footnote-ref-2)