Graham Marsh

PyCitySchool Analysis

Table of Contents

[Key Findings 2](#_Toc157442799)

[Passing rates are higher for reading than for math in the aggregate. 2](#_Toc157442800)

[Passing rates are higher for math and reading then the overall passing rate. 2](#_Toc157442801)

[Charter Schools Outperform District Schools 2](#_Toc157442802)

[Small and Medium Population Schools Outperformed Large Population Schools 2](#_Toc157442803)

[Schools with lower per student budgets outperformed schools with higher per student budgets 2](#_Toc157442804)

[Mean math scores by grade, show no discernable difference within schools. 3](#_Toc157442805)

[Mean reading scores by grade, show no discernable difference within schools. 3](#_Toc157442806)

[The top five highest performing schools 3](#_Toc157442807)

[The bottom five lowest performing schools 4](#_Toc157442808)

PyCity School Data Analysis by Graham Marsh

# Key Findings

## Passing rates are higher for reading than for math in the aggregate.

## Passing rates are higher for math and reading then the overall passing rate.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Total Schools | Total Students | Total Budget | Average Math Score | Average Reading Score | % Passing Math | % Passing Reading | % Overall Passing |
| 15 | 39,170 | $24,649,428.00 | 78.985371 | 81.87784 | 74.980853 | 85.805463 | 65.172326 |

## Charter Schools Outperform District Schools

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| School Type | Average Math Score | Average Reading Score | % Passing Math | % Passing Reading | % Overall Passing |
| Charter | 83.473852 | 83.896421 | 93.620830 | 96.586489 | 90.432244 |
| District | 76.956733 | 80.966636 | 66.548453 | 80.799062 | 53.672208 |

## Small and Medium Population Schools Outperformed Large Population Schools

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| School Size | **Average Math Score** | **Average Reading Score** | **% Passing Math** | **% Passing Reading** | **% Overall Passing** |
| Small (<1000) | 83.821598 | 83.929843 | 93.550225 | 96.099437 | 89.883853 |
| Medium (1000-2000) | 83.374684 | 83.864438 | 93.599695 | 96.790680 | 90.621535 |
| Large (2000-5000) | 77.746417 | 81.344493 | 69.963361 | 82.766634 | 58.286003 |

## Schools with lower per student budgets outperformed schools with higher per student budgets

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Spending Ranges (Per Student) | Average Math Score | Average Reading Score | % Passing Math | % Passing Reading | % Overall Passing |
| <$585 | 83.455399 | 83.933814 | 93.460096 | 96.610877 | 90.369459 |
| $585-630 | 81.899826 | 83.155286 | 87.133538 | 92.718205 | 81.418596 |
| $630-645 | 78.518855 | 81.624473 | 73.484209 | 84.391793 | 62.857656 |
| $645-680 | 76.997210 | 81.027843 | 66.164813 | 81.133951 | 53.526855 |

## Mean math scores by grade, show no discernable difference within schools.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 9th | 10th | 11th | 12th |
| Bailey High School | 77.083676 | 76.996772 | 77.515588 | 76.492218 |
| Cabrera High School | 83.094697 | 83.154506 | 82.765560 | 83.277487 |
| Figueroa High School | 76.403037 | 76.539974 | 76.884344 | 77.151369 |
| Ford High School | 77.361345 | 77.672316 | 76.918058 | 76.179963 |
| Griffin High School | 82.044010 | 84.229064 | 83.842105 | 83.356164 |
| Hernandez High School | 77.438495 | 77.337408 | 77.136029 | 77.186567 |
| Holden High School | 83.787402 | 83.429825 | 85.000000 | 82.855422 |
| Huang High School | 77.027251 | 75.908735 | 76.446602 | 77.225641 |
| Johnson High School | 77.187857 | 76.691117 | 77.491653 | 76.863248 |
| Pena High School | 83.625455 | 83.372000 | 84.328125 | 84.121547 |
| Rodriguez High School | 76.859966 | 76.612500 | 76.395626 | 77.690748 |
| Shelton High School | 83.420755 | 82.917411 | 83.383495 | 83.778976 |
| Thomas High School | 83.590022 | 83.087886 | 83.498795 | 83.497041 |
| Wilson High School | 83.085578 | 83.724422 | 83.195326 | 83.035794 |
| Wright High School | 83.264706 | 84.010288 | 83.836782 | 83.644986 |

## Mean reading scores by grade, show no discernable difference within schools.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 9th | 10th | 11th | 12th |
| Bailey High School | 81.303155 | 80.907183 | 80.945643 | 80.912451 |
| Cabrera High School | 83.676136 | 84.253219 | 83.788382 | 84.287958 |
| Figueroa High School | 81.198598 | 81.408912 | 80.640339 | 81.384863 |
| Ford High School | 80.632653 | 81.262712 | 80.403642 | 80.662338 |
| Griffin High School | 83.369193 | 83.706897 | 84.288089 | 84.013699 |
| Hernandez High School | 80.866860 | 80.660147 | 81.396140 | 80.857143 |
| Holden High School | 83.677165 | 83.324561 | 83.815534 | 84.698795 |
| Huang High School | 81.290284 | 81.512386 | 81.417476 | 80.305983 |
| Johnson High School | 81.260714 | 80.773431 | 80.616027 | 81.227564 |
| Pena High School | 83.807273 | 83.612000 | 84.335938 | 84.591160 |
| Rodriguez High School | 80.993127 | 80.629808 | 80.864811 | 80.376426 |
| Shelton High School | 84.122642 | 83.441964 | 84.373786 | 82.781671 |
| Thomas High School | 83.728850 | 84.254157 | 83.585542 | 83.831361 |
| Wilson High School | 83.939778 | 84.021452 | 83.764608 | 84.317673 |
| Wright High School | 83.833333 | 83.812757 | 84.156322 | 84.073171 |

## The top five highest performing schools

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | School Type | Total Students | Total School Budget | Per Student Budget | Average Math Score | Average Reading Score | % Passing Math | % Passing Reading | % Overall Passing |
| school\_name |  |  |  |  |  |  |  |  |  |
| Cabrera High School | Charter | 1858 | $1,081,356.00 | $582.00 | 83.061895 | 83.975780 | 94.133477 | 97.039828 | 91.334769 |
| Thomas High School | Charter | 1635 | $1,043,130.00 | $638.00 | 83.418349 | 83.848930 | 93.272171 | 97.308869 | 90.948012 |
| Griffin High School | Charter | 1468 | $917,500.00 | $625.00 | 83.351499 | 83.816757 | 93.392371 | 97.138965 | 90.599455 |
| Wilson High School | Charter | 2283 | $1,319,574.00 | $578.00 | 83.274201 | 83.989488 | 93.867718 | 96.539641 | 90.582567 |
| Pena High School | Charter | 962 | $585,858.00 | $609.00 | 83.839917 | 84.044699 | 94.594595 | 95.945946 | 90.540541 |

## The bottom five lowest performing schools

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | School Type | Total Students | Total School Budget | Per Student Budget | Average Math Score | Average Reading Score | % Passing Math | % Passing Reading | % Overall Passing |
| school\_name |  |  |  |  |  |  |  |  |  |
| Rodriguez High School | District | 3999 | $2,547,363.00 | $637.00 | 76.842711 | 80.744686 | 66.366592 | 80.220055 | 52.988247 |
| Figueroa High School | District | 2949 | $1,884,411.00 | $639.00 | 76.711767 | 81.158020 | 65.988471 | 80.739234 | 53.204476 |
| Huang High School | District | 2917 | $1,910,635.00 | $655.00 | 76.629414 | 81.182722 | 65.683922 | 81.316421 | 53.513884 |
| Hernandez High School | District | 4635 | $3,022,020.00 | $652.00 | 77.289752 | 80.934412 | 66.752967 | 80.862999 | 53.527508 |
| Johnson High School | District | 4761 | $3,094,650.00 | $650.00 | 77.072464 | 80.966394 | 66.057551 | 81.222432 | 53.539172 |