PyCity Schools Analysis

As the comparison will show that schools with higher budgets did not necessarily have better results as in higher grades , There are 15 schools in the PyCity Analysis with a total of 39,170 students . All total the entire budget of the schools is $24,649,428 .

The total school averages of all 15 schools are as follows :

| **Total Num Schools** | **Total Students** | **Total Budget** | **Avg Math Score** | **Avg Reading Score** | **Passing Math Percentage** | **Passing Reading Percentage** | **Overall Passing Rate** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **15** | **39,170** | **$24,649,428.00** | **78.99** | **81.88** | **74.98%** | **85.81%** | **65.17%** |

Listed below if the highest – performing schools (by % overall passing)

On average the smaller sized schools are performing better on the math , reading and overall passing rates.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Passing Math Score** | **Passing Reading Score** | | **Overall Passing Rate** | **Total Students** | **Total School Budget** | **Per Student Budget** |
| **school\_name** |  |  |  |  |  |  |
| **Cabrera High School** | 94.133477 | 97.039828 | 91.334769 | 1858 | $1,081,356.00 | $582.00 |
| **Thomas High School** | 93.272171 | 97.308869 | 90.948012 | 1635 | $1,043,130.00 | $638.00 |
| **Griffin High School** | 93.392371 | 97.138965 | 90.599455 | 1468 | $917,500.00 | $625.00 |
| **Wilson High School** | 93.867718 | 96.539641 | 90.582567 | 2283 | $1,319,574.00 | $578.00 |
| **Pena High School** | 94.594595 | 95.945946 | 90.540541 | 962 | $585,858.00 | $609.00 |

The bottom performing schools (by % overall passing) are as follows and show that on average it is the size of the school that results in poor testing despite relative large school budgets and high per student budget dollar amounts .

| **Passing Math Score** | **Passing Reading Score** | **Overall Passing Rate** | **Total Students** | **Total School Budget** | **Per Student Budget** |
| --- | --- | --- | --- | --- | --- |
| **school\_name** |  |  |  |  |  |  |
| **Rodriguez High School** | 66.366592 | 80.220055 | 52.988247 | 3999 | $2,547,363.00 | $637.00 |
| **Figueroa High School** | 65.988471 | 80.739234 | 53.204476 | 2949 | $1,884,411.00 | $639.00 |
| **Huang High School** | 65.683922 | 81.316421 | 53.513884 | 2917 | $1,910,635.00 | $655.00 |
| **Hernandez High School** | 66.752967 | 80.862999 | 53.527508 | 4635 | $3,022,020.00 | $652.00 |
| **Johnson High School** | 66.057551 | 81.222432 | 53.539172 | 4761 | $3,094,650.00 | $650.00 |

Also notable is the difference between District and Charter Schools . As seen below the Charter school averages are better overall to the District Schools . And on average have fewer number of students , hence smaller schools with better overall results in testing for Reading and Math .

| **Passing Math Score** | **Passing Reading Score** | **Overall Passing Rate** | **Total Students** |
| --- | --- | --- | --- |
| **type** |  |  |  |  |
| **Charter** | 93.620830 | 96.586489 | 90.432244 | 1524.250000 |
| **District** | 66.548453 | 80.799062 | 53.672208 | 3853.714286 |

The two conclusions as can be seen by the numbers given for testing scores is that smaller schools outperform the larger schools , and overall, Charter Schools rate better than the District schools , especially in average math scores . There is a marked improvement in grades for Charter School students and Math scores.

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