**PyCity Schools Analysis**

In the PyCity School District there are a total of 15 schools, with 39,170 students that share a $24,649,428 budget. As a district, 85.81% of students attained passing reading scores with an average score of 81.88, whereas 74.98% of students passed math with an average score of 78.99. Overall, the combined passing rating of math and reading was 65.17%.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Total Schools** | **Total Students** | **Total Budget** | **Per Student Budget** | **Average Math Score** | **Average Reading Score** | **% Passing Math** | **% Passing Reading** | **% Overall Passing** |
| 15 | 39,170 | $24,649,428 | $629.29 | 78.99 | 81.88 | 74.98% | 85.81% | 65.17% |

The PyCity schools are categorized either as “Charter” or “District” type schools, ranging from 427 - 4976 total students with a per capita budget ranging from $578 - $655 per student.

Reading scores across all schools were higher on average and more tightly distributed ranging from 80.74 - 84.04 and math score varied more with a range of 76.63 - 83.84. The passing percentage of reading skewed higher than math with a range of 97.31% - 79.30% versus 94.59% - 65.68%. Overall passing percentage ranged from 91.33% - 52.99%.



Looking at the individual grades 9th, 10th, 11th and 12th as a district, the grades remained steady across all four years.

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|  | **Math** | | | |  | **Reading** | | | |
| **School** | **9th** | **10th** | **11th** | **12th** |  | **9th** | **10th** | **11th** | **12th** |
| **Bailey High School** | 77.08 | 77.00 | 77.52 | 76.49 |  | 81.30 | 80.91 | 80.95 | 80.91 |
| **Cabrera High School** | 83.09 | 83.15 | 82.77 | 83.28 |  | 83.68 | 84.25 | 83.79 | 84.29 |
| **Figueroa High School** | 76.40 | 76.54 | 76.88 | 77.15 |  | 81.20 | 81.41 | 80.64 | 81.38 |
| **Ford High School** | 77.36 | 77.67 | 76.92 | 76.18 |  | 80.63 | 81.26 | 80.40 | 80.66 |
| **Griffin High School** | 82.04 | 84.23 | 83.84 | 83.36 |  | 83.37 | 83.71 | 84.29 | 84.01 |
| **Hernandez High School** | 77.44 | 77.34 | 77.14 | 77.19 |  | 80.87 | 80.66 | 81.40 | 80.86 |
| **Holden High School** | 83.79 | 83.43 | 85.00 | 82.86 |  | 83.68 | 83.32 | 83.82 | 84.70 |
| **Huang High School** | 77.03 | 75.91 | 76.45 | 77.23 |  | 81.29 | 81.51 | 81.42 | 80.31 |
| **Johnson High School** | 77.19 | 76.69 | 77.49 | 76.86 |  | 81.26 | 80.77 | 80.62 | 81.23 |
| **Pena High School** | 83.63 | 83.37 | 84.33 | 84.12 |  | 83.81 | 83.61 | 84.34 | 84.59 |
| **Rodriguez High School** | 76.86 | 76.61 | 76.40 | 77.69 |  | 80.99 | 80.63 | 80.86 | 80.38 |
| **Shelton High School** | 83.42 | 82.92 | 83.38 | 83.78 |  | 84.12 | 83.44 | 84.37 | 82.78 |
| **Thomas High School** | 83.59 | 83.09 | 83.50 | 83.50 |  | 83.73 | 84.25 | 83.59 | 83.83 |
| **Wilson High School** | 83.09 | 83.72 | 83.20 | 83.04 |  | 83.94 | 84.02 | 83.76 | 84.32 |
| **Wright High School** | 83.26 | 84.01 | 83.84 | 83.64 |  | 83.83 | 83.81 | 84.16 | 84.07 |
| **Average** | **80.35** | **80.38** | **80.58** | **80.42** |  | **82.51** | **82.51** | **82.56** | **82.55** |

There are more district type schools than charter schools 8 vs 7 and more large schools (8) than medium (5) and small schools (2).

**Conclusions**

**School Type Performance**: Charter schools outperformed district schools in terms of overall passing percentage, despite having a smaller budget on average.

**Budget Impact**: Contrary to expectations, the data shows that schools with lower per capita budgets performed better than those with higher per capita budgets.

**School Size Influence**: Medium and smaller schools consistently performed better than larger schools.

**Focus on Math Scores:** Focusing on overall math scores especially in the larger district schools would see an improvement in overall passing rating.

**Potential for Further Analysis**: Regarding the school size information it would be helpful to see average classroom size as well as student-to-teacher ratios. Regarding budget information it would be helpful to see the breakdown of budget allocation. It seems with higher per capita spending and lower results there are misallocated resources.