PyCity Schools Analysis Report

**District Summary:**

* With respect to District summary of PyCity schools, there are 15 schools and 39,170 students in total, have secured 81.88%. Whilst the overall passing percentage of all the students remain 65.2%, the average scores for both math and reading are around 80%, which is remarkable.
* The overall pass percentage with respect to Reading score is 85.8% which very high when compared to pass percentage of Math.

**School Summary:**

* The school summary shows the per school budget, Student budget, Average and overall passing percentages of Math and Reading score.
* Bailey High School is the top school with highest number of students i.e., 4976 and highest budget of $ 3,124,928.00, whilst the overall passing percentage is only 54.6%. On the other hand, the number of students is recorded in Wright High School, which are 1800 in total securing 90.3% in overall passing percentage.

## Bottom Performing Schools (By % Overall Passing):

## The First 5 schools who’s overall passing percentages are around 50% are Rodriguez High School, Figueroa High School, Huang High School, Hernandez High School, and Johnson High School, which are all District School types with average per student budget of $646.6.

## Math Scores by Grade:

## The Math scores for all the grades i.e., 9th, 10th, 11th, 12th classes are calculated. Pena High School an d Wright High school’s average scores of the students across all the grades are 83.62, 83.37, 84.32,83.6 and 83.2,84.01, 83.83, 83.6 respectively and are very consistent compared to all the other schools.

## Reading Scores by Grade:

## Amongst all the schools, 10th graders from Wright High School secured highest average reading scores of 84.01. Holden High School secured the highest of 85 amongst all the 11th graders from other schools. Pena High School secured highest of 84.12 amongst all the 12th graders from all the other schools.

## Scores by School Spending:

## Scores that are summarized based on the per student budget, within the ranges of less than $585 and within $585-630, $630-645, $645-680.

## Students whose budget is under $585 secured above 83% in all the average scores i.e., Math, Reading, Passing Math and Passing Reading including Overall Passing. Also, with highest passing Math and Reading average percentages 93.4% and 96.6% respectively.

## Scores by School Size:

## The three categories that divide all the schools are Small, Medium, and Large with less than 1000, 1000-2000,2000-5000 students per school respectively. From the summary of the data, Large school size are falling behind with the average scores pertaining to Math, percentage of Reading and overall percentage.

## Scores by School Types:

## The schools are categorized with two types i.e., Charter and District. Charter school averages are higher compared to District school with all the respects.(Average Math score, Average Reading Score and passing percentages respectively and overall passing percentages.)

## Conclusions:

## On high level categorization within the two types of schools which are District and Charter, District school type has least overall passing percentage per school.

## The smaller size of students in the school has better averages and pass percentages compared to the larger size schools.

## Less than $585 per student budget schools has better passing percentages for both Math and Reading.

## Schools who’s Budget per school is crossing $2,500,000.00 are Rodriguez High School, Johnson High School, Hernandez High School, Bailey High School, are having 53% of Overall passing percentages.