**The District- Wide Standardized Test Results Analysis Report**

**Executive Summary:**

The analysis examined the student performance across 15 schools in a district focusing on key metrics such as overall passing rates, average math and reading scores and spending per student.

**Key findings:**

* **Charter schools outperform District schools.** Charter schools significantly outperform District schools in overall academic performance. They exhibit higher overall passing rates, stronger math and reading scores, and demonstrate greater success in educating students.
* **Spending does not guarantee the better outcomes**. Higher spending did not consistently translate into higher student achievement. Some Charter schools with lower spending per student demonstrated superior performance compared to District schools with higher budgets.
* **School size matters.** Smaller schools (<1000 students) consistently outperform larger schools in all metrics.
* **Math scores show a decline** from 9th to 12th grade across most schools.
* **Reading scores remain consistent.**  The scores generally remained consistent or showed a slight decline in the later grades.

**Data Summary:**

**District Summary:**

**Key Metrics**

* **Total Schools:** 15
* **Total Students:** 39,170
* **Total Budget:** $24,649,428.00
* **Scores (Average / % Passing )**
  + **Math:** 78.985 / 74.981%
  + **Reading:** 81.878 / 85.805%
* **% Overall passing:** 65.172%

**Observations:**

* The district serves a substantial number of students (39,170) across 15 schools.
* From an academic perspective:
  + The average reading score is higher than average math score, suggesting that students may perform better in reading.
  + Students have higher% passing reading test than % passing math test.
  + However, the **% overall passing rate** (passing both math and reading) **is lower** than individual passing rates for math and reading, suggesting that some students are passing one subject but not both.

**School Performance:**

* **Charter schools perform better than District schools:**
  + There are **significant differences in the overall passing rate**. Charter schools have an overall passing rate of 90.432% while the District schools has an overall passing rate of 53.672%
  + The top 5 highest performing schools (by % overall Passing) are from the Charter schools where the bottom performing schools are District schools.
  + % Overall passing test: The Cabrera High School has the highest score ( 91.334%) where the Johnson High School has the lowest score (53.539%)
* **Spending per student** does not have a direct correlation with performance. Some Charter schools with relatively low per student spending show higher overall passing rates than some District schools with higher per student spending.
* **Math Score by Grade:**
  + Data shows that the math score slightly declined from 9th grade to 12th grade.
  + High performing schools: The Cabrera High School, the Pena High School and the Thomas High School consistently demonstrate strong math scores in all grade levels.
* **Reading Score by Grade:**
  + Data shows that the reading score in 9th grade and 10th grade remain consistent and trend to slightly decline in 11th grade and 12th grade.
  + High performing schools: The Cabrera High School and the Pena High School show consistently demonstrate strong reading scores in all grade levels.
* **School Spending:**
  + The Charter schools have relatively less spending (per student) than District schools.
  + Data doesn’t show a clear relationship between the spending and the school performance. However, the data shows that schools with the lowest spending per student (<$585> have the highest average math and reading scores.
* **School Size:** 
  + Small schools (<1000 Student) consistently outperformed larger schools in all metrics.
  + Large schools (2000 – 5000) are behind! The data shows that these schools have the lowest performance across all metrics.