**Report**

**School Summary:**

First, check about missing values and there weren't any missing values.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Total Schools | Total Students | Total Budget | Average Maths Score | Average Reading Score | % Passing Maths | % Passing Reading | % Overall Passing |
| 15 | 39,170 | $24,649,428.00 | 70.338192 | 69.980138 | 86.078632 | 84.426857 | 72.808272 |

Based on this table, it appears that there are a total of 15 schools with a combined student population of 39,170. Interestingly, the data suggests that math performance is stronger than reading performance within this area. Additionally, the overall passing rate indicates a satisfactory level of achievement across the board.

**Top Performance and least performance**

*Top Performing Schools (By % Overall Passing)*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **School Name** | **School Type** | **Total Students** | **Total School Budget** | **Per Student Budget** | **Average Maths Score** | **Average Reading Score** | **% Passing Maths** | **% Passing Reading** | **% Overall Passing** |
| Griffin High School | Independent | 1468 | $917,500.00 | $625.00 | 71.78815 | 71.24523 | 91.21253 | 88.48774 | 81.33515 |
| Cabrera High School | Independent | 1858 | $1,081,356.00 | $582.00 | 71.65716 | 71.35953 | 90.85038 | 89.07427 | 80.78579 |
| Bailey High School | Government | 4976 | $3,124,928.00 | $628.00 | 72.35289 | 71.00884 | 91.63987 | 87.37942 | 80.08441 |
| Wright High School | Independent | 1800 | $1,049,400.00 | $583.00 | 72.04722 | 70.96944 | 91.77778 | 86.66667 | 79.72222 |
| Rodriguez High School | Government | 3999 | $2,547,363.00 | $637.00 | 72.04776 | 70.93598 | 90.7977 | 87.39685 | 79.41986 |

Out of the 15 schools that were evaluated, it was found that "Griffin High School" had the highest overall passing rate with a percentage of 81.34%.

*Bottom Performing Schools (By % Overall Passing)*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **School Name** | **School Type** | **Total Students** | **Total School Budget** | **Per Student Budget** | **Average Maths Score** | **Average Reading Score** | **% Passing Maths** | **% Passing Reading** | **% Overall Passing** |
| Hernandez High School | Government | 4635 | $3,022,020.00 | $652.00 | 68.87487 | 69.18641 | 80.9493 | 81.87702 | 66.36462 |
| Huang High School | Government | 2917 | $1,910,635.00 | $655.00 | 68.93521 | 68.91053 | 81.69352 | 81.45355 | 66.71238 |
| Johnson High School | Government | 4761 | $3,094,650.00 | $650.00 | 68.8431 | 69.03928 | 82.06259 | 81.97858 | 67.19177 |
| Wilson High School | Independent | 2283 | $1,319,574.00 | $578.00 | 69.17083 | 68.87692 | 82.78581 | 81.29654 | 67.4551 |
| Ford High School | Government | 2739 | $1,763,916.00 | $644.00 | 69.09127 | 69.57247 | 82.43885 | 82.21979 | 67.46988 |

On the other hand, "Hernandez High School" had the lowest overall passing rate with a percentage of 66.36%.

**Maths Scores by Year**

Below, you will find a table that displays the average math scores for each grade. Based on the table provided, it is evident that the average math scores for each grade are above 50%. However, there is still room for improvement in order to further enhance the overall performance and ensure that all students receive a quality education.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| school name | Year 9 | Year 10 | Year 11 | Year 12 |
| Bailey High School | 72.49 | 71.9 | 72.37 | 72.68 |
| Cabrera High School | 72.32 | 72.44 | 71.01 | 70.6 |
| Figueroa High School | 68.48 | 68.33 | 68.81 | 69.33 |
| Ford High School | 69.02 | 69.39 | 69.25 | 68.62 |
| Griffin High School | 72.79 | 71.09 | 71.69 | 71.47 |
| Hernandez High School | 68.59 | 68.87 | 69.15 | 68.99 |
| Holden High School | 70.54 | 75.11 | 71.64 | 73.41 |
| Huang High School | 69.08 | 68.53 | 69.43 | 68.64 |
| Johnson High School | 69.47 | 67.99 | 68.64 | 69.29 |
| Pena High School | 72 | 72.4 | 72.52 | 71.19 |
| Rodriguez High School | 71.94 | 71.78 | 72.36 | 72.15 |
| Shelton High School | 72.93 | 72.51 | 70.1 | 72.33 |
| Thomas High School | 69.23 | 70.06 | 69.66 | 69.37 |
| Wilson High School | 69.21 | 69.46 | 68.38 | 69.79 |
| Wright High School | 71.74 | 72.18 | 73.28 | 70.85 |

**Reading Scores by Year**

Here is the table that outlines the average reading score for each grade level. It's worth noting that the environment in which these scores were obtained is the same as the one used to calculate the average math scores above. This allows for a fair and accurate comparison of the two subjects.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| school name | Year 9 | Year 10 | Year 11 | Year 12 |
| Bailey High School | 70.9 | 70.85 | 70.32 | 72.2 |
| Cabrera High School | 71.17 | 71.33 | 71.2 | 71.86 |
| Figueroa High School | 70.26 | 67.68 | 69.15 | 69.08 |
| Ford High School | 69.62 | 68.99 | 70.74 | 68.85 |
| Griffin High School | 72.03 | 70.75 | 72.39 | 69.43 |
| Hernandez High School | 68.48 | 70.62 | 68.42 | 69.24 |
| Holden High School | 71.6 | 71.1 | 73.31 | 70.48 |
| Huang High School | 68.67 | 69.52 | 68.74 | 68.67 |
| Johnson High School | 68.72 | 69.3 | 69.97 | 67.99 |
| Pena High School | 70.95 | 72.32 | 71.7 | 71.51 |
| Rodriguez High School | 70.9 | 70.14 | 71.42 | 71.41 |
| Shelton High School | 70.72 | 69.88 | 71.15 | 69.07 |
| Thomas High School | 69.67 | 69.74 | 70.75 | 68.73 |
| Wilson High School | 68.68 | 68.41 | 68.8 | 69.89 |
| Wright High School | 71.82 | 71.39 | 70.48 | 69.82 |

**Scores by School Spending**

Here's a table that shows the spending range per student for each school.



***school performances based on average Spending Ranges (Per Student):***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Spending Ranges (Per Student) | Average Maths Score | Average Reading Score | % Passing Maths | % Passing Reading | % Overall Passing |
| <$585 | 71.364587 | 70.716577 | 88.835926 | 86.390517 | 76.72146 |
| $585-630 | 72.065868 | 71.031297 | 91.518824 | 87.292423 | 79.87629 |
| $630-645 | 69.854807 | 69.838814 | 84.686139 | 83.763585 | 71.00498 |
| $645-680 | 68.884391 | 69.045403 | 81.56847 | 81.769716 | 66.75625 |

Based on the table above, it seems that schools with lower average scores and passing percentages have to allocate more resources per student. This suggests that these schools may need additional support and resources in order to improve their students' academic performance.

**Scores by School Size**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| School Size | Average Maths Score | Average Reading Score | % Passing Maths | % Passing Reading | % Overall Passing |
| Small (<1000) | 72.34 | 71.64 | 90.81 | 87.56 | 79.07 |
| Medium (1000-2000) | 71.42 | 70.72 | 89.85 | 86.71 | 78.04 |
| Large (2000-5000) | 69.75 | 69.58 | 84.25 | 83.3 | 70.29 |

The table presents information on average maths and reading scores, as well as the passing percentage in these fields and the overall passing percentage. This shows that the small school’s performance is greater than that of other schools.

**Scores by School Type**

Based on the data presented in the table below, it appears that independent schools tend to outperform government schools in terms of average performance and passing percentage.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| School Type | Average Maths Score | Average Reading Score | % Passing Maths | % Passing Reading | % Overall Passing |
| Government | 69.83 | 69.68 | 84.46 | 83.59 | 70.7 |
| Independent | 71.37 | 70.72 | 89.2 | 86.25 | 76.97 |