

Schools Performance Analysis:

Analyzed performance on the Top and bottom performing schools based on the below data considerations:

- Local government Vs Independent schools:
- Average Budget spent on performance improvements.
- School Type & School Size

Local government Vs private schools:

There are total 15 schools with **39710** students in the area with overall passing rate:**72.81%** (Maths Passing percentage: **86.08%** and Reading passing percentage:**84.3%**)

Local Government Area Summary

	Total Schools	Total Students	Total Budget	Average Maths Score	Average Reading Score	% Passing Maths	% Passing Reading	Overall Passing Rate
0	15	39170	\$24,649,428.00	70.3	70.0	86.08%	84.43%	72.81%

School Summary:

Students who passed with more than 50% or more in Maths and Reading scores are summarized with overall passing percentage below:

	School Type	Total Students	Total School Budget	Per Student Budget	Average Maths Score	Average Reading Score	% Passing Maths	% Passing Reading	Overall Passing Rate
school_name									
Bailey High School	Government	4976	\$3,124,928.00	\$628	72.4	71.0	91.64%	87.38%	80.08%
Cabrera High School	Independent	1858	\$1,081,356.00	\$582	71.7	71.4	90.85%	89.07%	80.79%
Figueroa High School	Government	2949	\$1,884,411.00	\$639	68.7	69.1	81.65%	82.81%	67.65%
Ford High School	Government	2739	\$1,763,916.00	\$644	69.1	69.6	82.44%	82.22%	67.47%
Griffin High School	Independent	1468	\$917,500.00	\$625	71.8	71.2	91.21%	88.49%	81.34%
Hernandez High School	Government	4635	\$3,022,020.00	\$652	68.9	69.2	80.95%	81.88%	66.36%
Holden High School	Independent	427	\$248,087.00	\$581	72.6	71.7	89.93%	88.52%	78.92%
Huang High School	Government	2917	\$1,910,635.00	\$655	68.9	68.9	81.69%	81.45%	66.71%
Johnson High School	Government	4761	\$3,094,650.00	\$650	68.8	69.0	82.06%	81.98%	67.19%
Pena High School	Independent	962	\$585,858.00	\$609	72.1	71.6	91.68%	86.59%	79.21%
Rodriguez High School	Government	3999	\$2,547,363.00	\$637	72.0	70.9	90.80%	87.40%	79.42%
Shelton High School	Independent	1761	\$1,056,600.00	\$600	72.0	70.3	91.54%	86.71%	78.88%
Thomas High School	Independent	1635	\$1,043,130.00	\$638	69.6	69.8	83.85%	82.63%	69.48%
Wilson High School	Independent	2283	\$1,319,574.00	\$578	69.2	68.9	82.79%	81.30%	67.46%
Wright High School	Independent	1800	\$1,049,400.00	\$583	72.0	71.0	91.78%	86.67%	79.72%

Top Performing Schools (By % Overall Passing):

Among the top 5 performing schools with the highest overall passing rates, 3 are independent schools and 2 are government schools.

Griffin High school is at the top with an overall passing rate of 81.34%:

school_name	School Type	Total Students	Total School Budget	Per Student Budget	Average Maths Score	Average Reading Score	% Passing Maths	% Passing Reading	Overall Passing Rate
Griffin High School	Independent	1468	\$917,500.00	\$625	71.8	71.2	91.21%	88.49%	81.34%
Cabrera High School	Independent	1858	\$1,081,356.00	\$582	71.7	71.4	90.85%	89.07%	80.79%
Bailey High School	Government	4976	\$3,124,928.00	\$628	72.4	71.0	91.64%	87.38%	80.08%
Wright High School	Independent	1800	\$1,049,400.00	\$583	72.0	71.0	91.78%	86.67%	79.72%
Rodriguez High School	Government	3999	\$2,547,363.00	\$637	72.0	70.9	90.80%	87.40%	79.42%
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Hernandez High School	Government	4635	\$3,022,020.00	\$652	68.9	69.2	80.95%	81.88%	66.36%

Bottom Performing Schools (By % Overall Passing)

Though Government schools are among the Top 5 performing schools, there are some Government schools which are among Bottom 5 performing schools:

From the Bottom 5 performing schools, 4 are Government schools and 1 is independent school.

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Cabrera High School	Independent	1858	\$1,081,356.00	\$582	71.7	71.4	90.85%	89.07%	80.79%
Griffin High School	Independent	1468	\$917,500.00	\$625	71.8	71.2	91.21%	88.49%	81.34%

Maths Scores by Year:

Bailey school ([Government](#)) students are topping on Maths & Reading scores.

	Year 9	Year 10	Year 11	Year 12
school_name				
Bailey High School	\$72.5	\$71.9	\$72.4	\$72.7
Cabrera High School	\$72.3	\$72.4	\$71.0	\$70.6
Figueroa High School	\$68.5	\$68.3	\$68.8	\$69.3
Ford High School	\$69.0	\$69.4	\$69.2	\$68.6
Griffin High School	\$72.8	\$71.1	\$71.7	\$71.5
Hernandez High School	\$68.6	\$68.9	\$69.2	\$69.0
Holden High School	\$70.5	\$75.1	\$71.6	\$73.4
Huang High School	\$69.1	\$68.5	\$69.4	\$68.6
Johnson High School	\$69.5	\$68.0	\$68.6	\$69.3
Pena High School	\$72.0	\$72.4	\$72.5	\$71.2
Rodriguez High School	\$71.9	\$71.8	\$72.4	\$72.2
Shelton High School	\$72.9	\$72.5	\$70.1	\$72.3
Thomas High School	\$69.2	\$70.1	\$69.7	\$69.4
Wilson High School	\$69.2	\$69.5	\$68.4	\$69.8
Wright High School	\$71.7	\$72.2	\$73.3	\$70.8

Reading Score by Year

	Year 9	Year 10	Year 11	Year 12
school_name				
Bailey High School	\$70.9	\$70.8	\$70.3	\$72.2
Cabrera High School	\$71.2	\$71.3	\$71.2	\$71.9
Figueroa High School	\$70.3	\$67.7	\$69.2	\$69.1
Ford High School	\$69.6	\$69.0	\$70.7	\$68.8
Griffin High School	\$72.0	\$70.7	\$72.4	\$69.4
Hernandez High School	\$68.5	\$70.6	\$68.4	\$69.2
Holden High School	\$71.6	\$71.1	\$73.3	\$70.5
Huang High School	\$68.7	\$69.5	\$68.7	\$68.7
Johnson High School	\$68.7	\$69.3	\$70.0	\$68.0
Pena High School	\$70.9	\$72.3	\$71.7	\$71.5
Rodriguez High School	\$70.9	\$70.1	\$71.4	\$71.4
Shelton High School	\$70.7	\$69.9	\$71.2	\$69.1
Thomas High School	\$69.7	\$69.7	\$70.7	\$68.7
Wilson High School	\$68.7	\$68.4	\$68.8	\$69.9
Wright High School	\$71.8	\$71.4	\$70.5	\$69.8

Scores by School Spending:

Schools with a spending range per student(\$585-\$630) has the highest passing percentage of 79.96%, but still some schools are not performing though the spending range is more than 630\$ per student, need to consider the other factors per student.

	Average Maths Score	Average Reading Score	% Passing Maths	% Passing Reading	% Overall Passing
Spending Ranges (Per Student)					
< \$585	70.9	70.4	88.16%	85.57%	75.58%
\$585 - 630	72.2	71.0	91.56%	87.35%	79.96%
\$630 - 645	70.1	70.0	85.39%	84.26%	72.03%
\$645 - 680	68.9	69.1	81.56%	81.82%	66.77%

Scores by School Size:

Looks like schools with smaller size (less than 1000 students) are top performing when comparing to schools with more than 1000 students.

	Average Maths Score	Average Reading Score	% Passing Maths	% Passing Reading	% Overall Passing
School Size					
Small (<1000)	72.2	71.6	91.14%	87.19%	79.12%
Medium (1000-2000)	71.4	70.7	89.91%	86.74%	78.09%
Large (2000-5000)	69.9	69.7	84.72%	83.62%	70.97%

Scores by School Type:

Based on the stats below, looks like independent schools are top performing with overall passing percentage 76.22% when compared to local government schools in the area.

	Average Maths Score	Average Reading Score	% Passing Maths	% Passing Reading	% Overall Passing
School Type					
Government	70.0	69.8	84.89%	83.82%	71.27%
Independent	71.1	70.5	88.72%	85.77%	76.22%

Conclusion:

Though the overall passing percentage are varying across the different parameters such as Budget spent per student, school size, Maths & Reading scores and the top 5 performing schools in the area.

Overall Independent schools are in better position compared to Local government schools which government has to take measures on the quality of education by recruiting knowledgeable teachers.