

There are 15 schools in the district, totaled 39,170 students. The average Math Score is 79 with a passing rate of 75%. The average Reading Score is 82 with a passing rate of 86%. The overall passing rate for both subject is 65%

	Total schools	Total Students	Total Budget	Average Math Score	Average Reading Score	% Passing Math	% Passing Reading	% Overall Passing
0	15	39170	24649428	78.985371	81.87784	74.980853	85.805463	65.172326

The top 5 performing schools are Charter schools. The bottom performing schools are district schools.

school_name	type	Total Student	Total School Budget	Average Per Student Budget	Average Reading Score	Average Math Score	% Passed Math	% Passed Math	% Passed Both
Cabrera High School	Charter	1858.0	1081356.0	582.0	83.98	83.06	94.13	97.04	91.33
Thomas High School	Charter	1635.0	1043130.0	638.0	83.85	83.42	93.27	97.31	90.95
Griffin High School	Charter	1468.0	917500.0	625.0	83.82	83.35	93.39	97.14	90.60
Wilson High School	Charter	2283.0	1319574.0	578.0	83.99	83.27	93.87	96.54	90.58
Pena High School	Charter	962.0	585858.0	609.0	84.04	83.84	94.59	95.95	90.54

school_name	type	Total Student	Total School Budget	Average Per Student Budget	Average Reading Score	Average Math Score	% Passed Math	% Passed Math	% Passed Both
Rodriguez High School	District	3999.0	2547363.0	637.0	80.74	76.84	66.37	80.22	52.99
Figueroa High School	District	2949.0	1884411.0	639.0	81.16	76.71	65.99	80.74	53.20
Huang High School	District	2917.0	1910635.0	655.0	81.18	76.63	65.68	81.32	53.51
Hernandez High School	District	4635.0	3022020.0	652.0	80.93	77.29	66.75	80.86	53.53
Johnson High School	District	4761.0	3094650.0	650.0	80.97	77.07	66.06	81.22	53.54

From analyzing the char above, budget is a factor contributes to the student performing. The average spending per student is \$606 in the top 5 schools \$40 lower compared to the bottom performing schools with a \$646 average spending per student.

Charter school has fewer student than district schools. This could contribute why district public schools the per student spending is much higher but passing score is lower. With a smaller class size, students get more attention from the teacher. Bigger student head

count, teachers must focus on the class as whole. I suspect the teacher/student is much lower in charter schools than public schools.

	Average Reading Score	Average Math Score	% Passing Reading	% Passing Math	% Passing Both
type					
Charter	83.902821	83.406183	0.966459	0.937018	0.905609
District	80.962485	76.987026	0.809052	0.665184	0.536959

Overall, the charter school average reading and math scores are only few points higher than public schools, but the passing rate in charter schools are 97% reading and 94% math compared to 81% reading and 67% math in public schools. Charter schools student's performances are very evenly distributed. On the other hand, from the average scores and the passing rates, shows public schools have more outlier student performance on both higher ends and lower ends. This is the nature of the public schools, you have all shapes and sizes of student with different back ground. There are bigger student populations does not have the advantage and necessary supports for their academic success.

In conclusion, charter schools students can score higher compared to public schools. Budget is not the sole factor, if there is a possibility of budget increase. Increase spending on math. With a smaller class size and similar student background, charter schools will most likely out performance public schools in average, but the individual students with highest scores may come from public schools.