

Date: January 16, 2014

For ACTION _____
For INFORMATION X

Board Agenda: Yes _____
No X

FROM: Clinton Page, Ed.S., Executive Director, Department of Accountability

THROUGH: Alvin L. Crawley, Ed.D., Interim Superintendent of Schools

TO: The Honorable Karen Graf, Chair, and Members of the Alexandria City School Board

TOPIC: School-Level Peer Comparability Report

BACKGROUND:

Alexandria City Public Schools (ACPS) have a wide distribution of student populations and needs across individual schools. Historically, to allow for more applicable school-to-school comparisons, the Department of Accountability provided data reports (2003 and 2008) comparing SOL performance in Alexandria City Public Schools (ACPS) to schools across the state with similar student populations. This report serves as an update to those prior efforts while employing a more robust methodology in the selection of peer comparison schools.

Data for the peer selection process were obtained from the Virginia Department of Education (VDOE). School enrollment figures from the fall 2013 membership count and fiscal year 2012 statistics were used in the analyses. The following demographics and statistics were taken into consideration during the peer school selection process: special education students, English language learners, free/reduced lunch program, white students, black students, Hispanic students, total enrollment, and average per pupil expenditure. Peer schools were issued a similarity index based on these factors with index scores closest to zero indicating greatest similarity.

The report provides accountability statuses and SOL pass rates by content area for the two most recent years for each ACPS school and their top five identified peer schools. Along with the individual data for each peer school, an average of the five comparable schools is provided for an “at-a-glance” comparison.

RECOMMENDATION:

Review the School-Level Peer Comparability Report for possible planning, procedural, programmatic, and/or budgetary changes.

IMPACT:

School and division level personnel will not only review this report to garner a better of understanding of schools' SOL performance compared to peers, but more importantly, to begin to establish collaborative relationships with the educational professionals at their respective peer schools aimed at sharing strategies used to advance student outcomes.

CONTACT PERSON: Clinton Page

ATTACHMENT: (1) *School-Level Peer Comparability Report*

School-Level Peer Comparability Report

Prepared for Alexandria City Public Schools

January 2014



In the following report, Hanover Research in collaboration with the ACPS Department of Accountability compares student achievement in ACPS schools with peer schools across Virginia.

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OVERVIEW AND METHODOLOGY

This report, developed in collaboration with the Alexandria City Public Schools (ACPS) Department of Accountability, provides a comparison of student achievement in ACPS schools with peer schools across Virginia. The methodology, which was agreed upon between Hanover Research and the ACPS Department of Accountability, is described below.

METHODOLOGY

PEER SELECTION

Data for the peer selection process were obtained from the Virginia Department of Education for 2012-2013,¹ the Virginia Department of Education Office of School Nutrition Programs for 2012-2013,² and the Virginia Department of Education Superintendent's Annual Report for 2011-2012.³

To begin the school-level peer selection process, the standard deviation for each variable of school-level characteristics (listed below) was calculated. Standard deviation shows how much variation exists from the average value of a specific set of data. The following student demographic variables were used in the peer selection process:

- Percentage of students with special education (SPED) designation
- Percentage of students with limited English proficiency (LEP)
- Percentage of students eligible for the Free/Reduced Lunch Program (FRL)
- Percentage of students that are white
- Percentage of students that are black
- Percentage of students that are Hispanic

For each ACPS school, peer schools within one standard deviation for each variable were sought. However, the unique demographic makeup of some ACPS schools required the standard deviation range to be adjusted. The following process was undertaken to refine the list of peer schools:

- Schools were first filtered to only include those within one standard deviation for non-ethnicity variables (SPED, LEP, and FRL)

¹ "Fall Membership for the Commonwealth of Virginia." Virginia Department of Education. http://bi.vita.virginia.gov/doe_bi/rdPage.aspx?rdReport=Main&subRptName=Fallmembership

² "School Nutrition: Program Statistics & Reports." Virginia Department of Education Office of School Nutrition Programs. <http://www.doe.virginia.gov/support/nutrition/statistics/index.shtml>

³ "Statistics & Reports: Superintendent's Annual Report." Virginia Department of Education. http://www.doe.virginia.gov/statistics_reports/supts_annual_report/index.shtml

- The remaining list of schools was then filtered to only include schools with the same grade level range as the target ACPS school (PK-5th, 6th-8th, or 9th-12th)⁴
- Finally, the remaining schools were narrowed to include those within one standard deviation for ethnicity variables (percentages of white, black, and Hispanic students)

If this process yielded more than 10 peer schools, the cut-off for non-ethnicity variables was lowered by 0.2 standard deviations. If there were still more than 10 peer schools listed, the cut-off for ethnicity variables was further lowered by 0.2 standard deviations. Similarly, if there were fewer than five peer schools, the cut-off for ethnicity variables was increased by 0.2 standard deviations, followed by an additional increase for non-ethnicity variables if necessary. This process of lowering or increasing the standard deviation range by increments of 0.2 standard deviations continued until there were between five and 10 peer schools. **Details on the final standard deviations used for each variable type by school are available in Appendix B of this report.**

RANKING THE STRENGTH OF PEER SCHOOLS

Upon completion of the steps listed above, the peer schools were ranked based on their similarity to the target ACPS school using a “similarity index.” The similarity index was measured as the Euclidean distance between the target school and the peer school on a variety of criteria, listed below. The peer with the lowest similarity index represents the closest match to the ACPS target school.

Two variables used in the similarity index were “normalized” in our analysis in order to avoid inadvertent weighting – total school enrollment and per pupil expenditure. The normalized values are reported as a percentage, which matches the other variables used to create the similarity index (see below). The normalized value shows where a school falls relative to those in its peer group. Within each individual peer group, each school’s value (enrollment count or per pupil expenditure) was divided by that of the school with the largest value in the group. As an example, compare the per pupil expenditures at Charles Barrett Elementary and its peers in the table below.

⁴For ACPS elementary schools serving grades K-5 only, peer schools were selected from both PK-5 and K-5 schools. For Jefferson-Houston Elementary (K-8), peer schools were selected from K-5 schools.

Example of Normalized Per Pupil Expenditure

School Name	FY 2012 Per Pupil Expenditure	Normalized Per Pupil Expenditure
Charles Barrett Elementary	\$18,493	100%
Ball's Bluff Elementary	\$12,429	67%
Catoctin Elementary	\$12,429	67%
Countryside Elementary	\$12,429	67%
Frederick Douglass Elementary	\$12,429	67%
Antietam Elementary	\$10,380	56%

Charles Barrett has the highest per pupil expenditure, therefore the normalized value is 100 percent [Formula: $(\$18,493/\$18,493)*100 = 100\%$]. In comparison, Antietam Elementary's per pupil expenditure is \$10,380, or 56 percent of Charles Barrett's expenditure [Formula: $(\$10,380/\$18,493)*100 = 56\%$]. If another school had a higher per pupil expenditure, the values would be normalized from that school's expenditure and Charles Barrett's normalized per pupil expenditure would fall below 100 percent.

The following characteristics were used to create the similarity index:

- The percentage of free/reduced price lunch students
- The percentage of Special Education students
- The percentage of white, black, and Hispanic students
- The percentage of LEP students
- Total school enrollment (normalized)
- Spending per pupil (normalized)

The top five ranking peer schools were used in the student achievement comparison provided in this report. Color codes in each of the tables in this report indicate the strength of matching. The mean similarity index value is 0.52 with a standard deviation of 0.12, and 73 percent of the schools have a similarity index within one standard deviation. As such, index values between .40 and .64 are considered to be a moderate match, while schools with a lower or higher similarity index are considered to be a stronger or weaker match, respectively. Table 1 provides a key for the color codes used. The criteria used to identify the five peer schools for each ACPS school are listed in the appendix of this report.

Table 1: Color Codes Indicating Strength of Match

COLOR	SIMILARITY INDEX RANGE	STRENGTH OF MATCH
	0.39 or below	High
	0.40 to 0.64	Mid
	0.65 or above	Low

PEER AND AVERAGE SOL SCORES

The student achievement measures presented in this report reflect **the percentage of students who passed each subject area for the 2011-2012 and 2012-2013 Standards of Learning (SOL) tests**. Scores are presented for each of the peer schools identified in the school-level analysis for each year, as well as the average for the group of five peer schools. SOL passage rates were taken from the Virginia Department of Education's School Report Cards.⁵

LIMITATIONS

The following limitations should be taken into consideration:

- **Data Availability** - The similarity index takes in to account the percentage of students with SPED designation, percentage of students with LEP, percentage of white students, percentage of black students, percentage of Hispanic students, and percentage of students eligible for FRL, which were all publicly available state-wide datasets. The estimate of the similarity index does not take into account several other factors such as teacher characteristics and environmental aspects of individual schools.
- **Use of Averages** - The charts in this report compare a particular school's average percentage of students who passed with the average percentage of students who passed at the peer schools. Use discretion when interpreting these charts as the averages are not weighted averages. The peer averages in the tables and charts do not take into account the number of students in the schools and thus are not a perfect comparison between the schools.
- **Timeframe** - The comparison of student achievement at schools in the ACPS division with other peer schools across Virginia in this report is a two-year snap shot.
- **Adjusted Scores** - Passing percentages are 'adjusted' in that failing scores for some English as a Second Language students or transfer students may be excluded from the calculations. Both the State accreditation system and the Federal No Child Left Behind accountability system provide score adjustments for certain students. From one year to another, unadjusted scores could contain varying percentages of ESL and transfer students. Therefore, adjusted scores offer a more consistent basis for comparison, and are the scores released annually by the Virginia Department of Education to the public.

⁵ "School, School Division, and State Report Cards." Virginia Department of Education, 2012-2013. <https://p1pe.doe.virginia.gov/reportcard/>

SECTION I: ELEMENTARY SCHOOLS

CHARLES BARRETT ELEMENTARY SCHOOL 2012-13 DATA

Figure 1.1: Charles Barrett Elementary Peers, 2012-13

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
Charles Barrett Elementary	Alexandria City	-	Fully Accredited	Met all Federal AMOs	79	75	84	88	87
Catoctin Elementary	Loudoun County	0.42	Fully Accredited	Improvement Plan Required	78	66	57	91	78
Frederick Douglass Elementary	Loudoun County	0.51	Accredited with Warning	Improvement Plan Required	66	65	58	91	78
Ball's Bluff Elementary	Loudoun County	0.51	Fully Accredited	Met all Federal AMOs	74	75	75	91	90
Countryside Elementary	Loudoun County	0.54	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	74	76	80	94	83
Antietam Elementary	Prince William County	0.60	Fully Accredited	Met all Federal AMOs	81	80	74	96	89
Peer Schools Average		0.51			75	72	69	93	84

Note: The table cell color indicates the level of similarity to ACPS school using the following Similarity Index ranges:

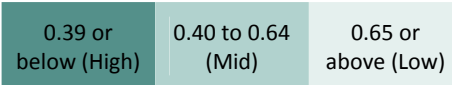
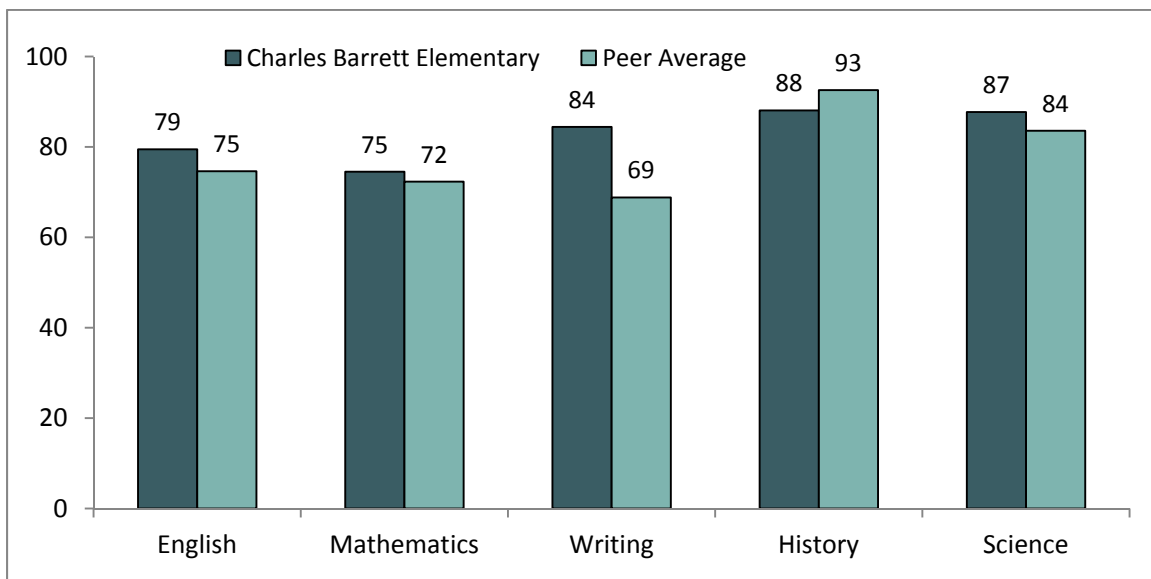


Figure 1.2: Comparing Charles Barrett Elementary to Peer Averages, 2012-13



2011-12 DATA

Figure 1.3: Charles Barrett Elementary Peers, 2011-12

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
Charles Barrett Elementary	Alexandria City		Fully Accredited	Improvement Plan Required	85	66	91	81	85
Catoctin Elementary	Loudoun County	0.42	Fully Accredited	Improvement Plan Required	78	52	92	83	91
Frederick Douglass Elementary	Loudoun County	0.51	Conditionally Accredited	N/A (New School)					
Ball's Bluff Elementary	Loudoun County	0.51	Fully Accredited	Improvement Plan Required	80	62	89	91	91
Countryside Elementary	Loudoun County	0.54	Fully Accredited	Improvement Plan Required	83	72	87	93	87
Antietam Elementary	Prince William County	0.60	Fully Accredited	Met all Federal AMOs	93	78	91	97	94
Peer Schools Average		0.51			84	66	90	91	91

Note: The table cell color indicates the level of similarity to ACPs school using the following Similarity Index ranges:

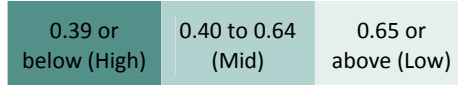
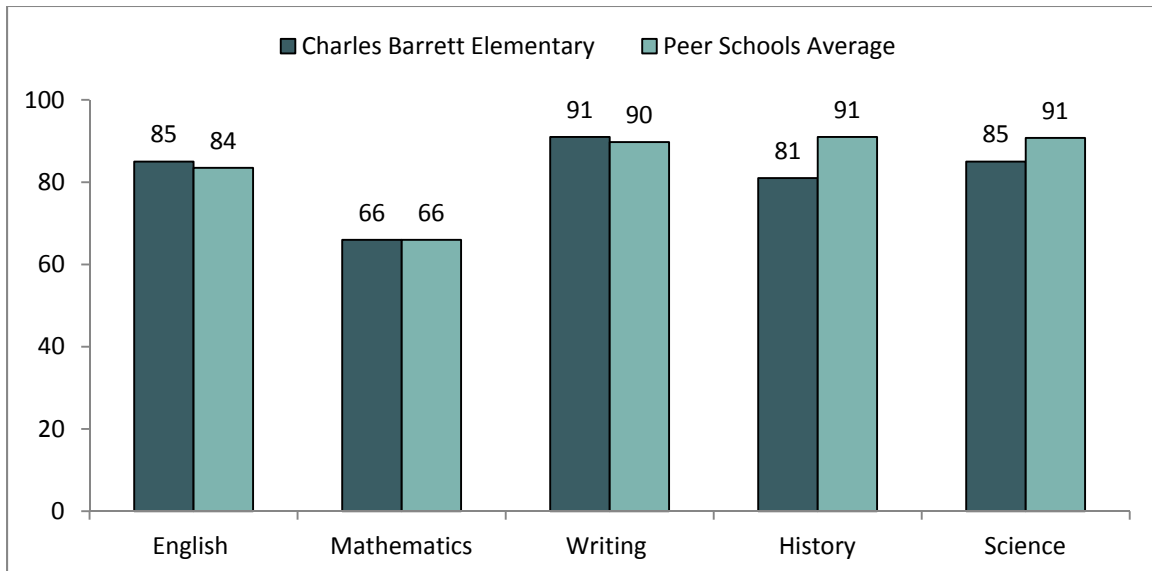


Figure 1.4: Comparing Charles Barrett Elementary to Peer Averages, 2011-12



CORA KELLY MAGNET ELEMENTARY SCHOOL
2012-13 DATA

Figure 1.5: Cora Kelly Magnet Elementary Peers, 2012-13

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
Cora Kelly Magnet Elementary	Alexandria City	-	Fully Accredited	Met all Federal AMOs	71	80	60	77	70
E.S.H. Greene Elementary	Richmond City	0.34	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	62	63	72	80	69
Kerrydale Elementary	Prince William County	0.49	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	73	73	75	94	85
Neabsco Elementary	Prince William County	0.51	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	54	65	33	82	68
Bel Air Elementary	Prince William County	0.53	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	70	65	59	89	80
Suella G. Ellis Elementary	Prince William County	0.55	Fully Accredited	Title I Focus School	62	66	57	81	75
Peer Schools Average		0.48			64	66	59	85	75

Note: The table cell color indicates the level of similarity to ACPs school using the following Similarity Index ranges:

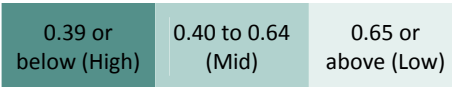
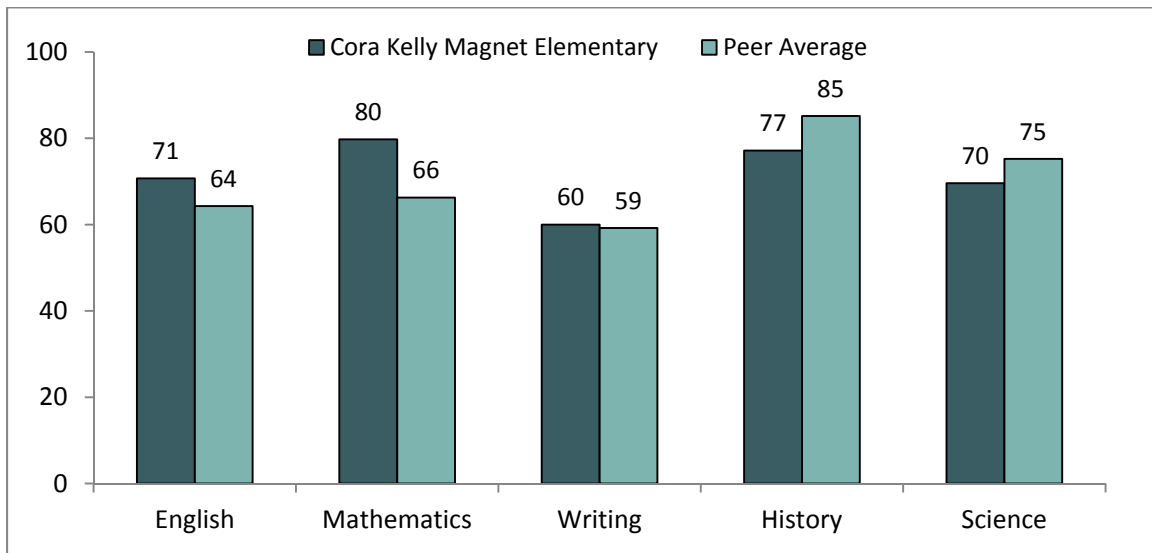


Figure 1.6: Comparing Cora Kelly Magnet to Peer Averages, 2012-13



2011-12 DATA

Figure 1.7: Cora Kelly Magnet Elementary Peers, 2011-12

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
Cora Kelly Magnet Elementary	Alexandria City		Fully Accredited	Met all Federal AMOs	90	71	92	56	86
E.S.H. Greene Elementary	Richmond City	0.34	Fully Accredited	Met all Federal AMOs	89	67	85	83	78
Kerrydale Elementary	Prince William County	0.49	Fully Accredited	Met all Federal AMOs	89	64	92	90	85
Neabsco Elementary	Prince William County	0.51	Fully Accredited	Improvement Plan Required	78	55	78	78	80
Bel Air Elementary	Prince William County	0.53	Fully Accredited	Met All Federal AMOs	90	63	83	95	89
Suella G. Ellis Elementary	Prince William County	0.55	Fully Accredited	Title I Focus School	78	68	82	82	87
Peer Schools Average		0.48			85	63	84	86	84

Note: The table cell color indicates the level of similarity to ACPS school using the following Similarity Index ranges:

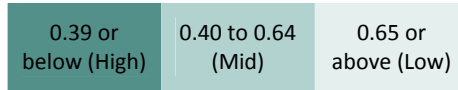
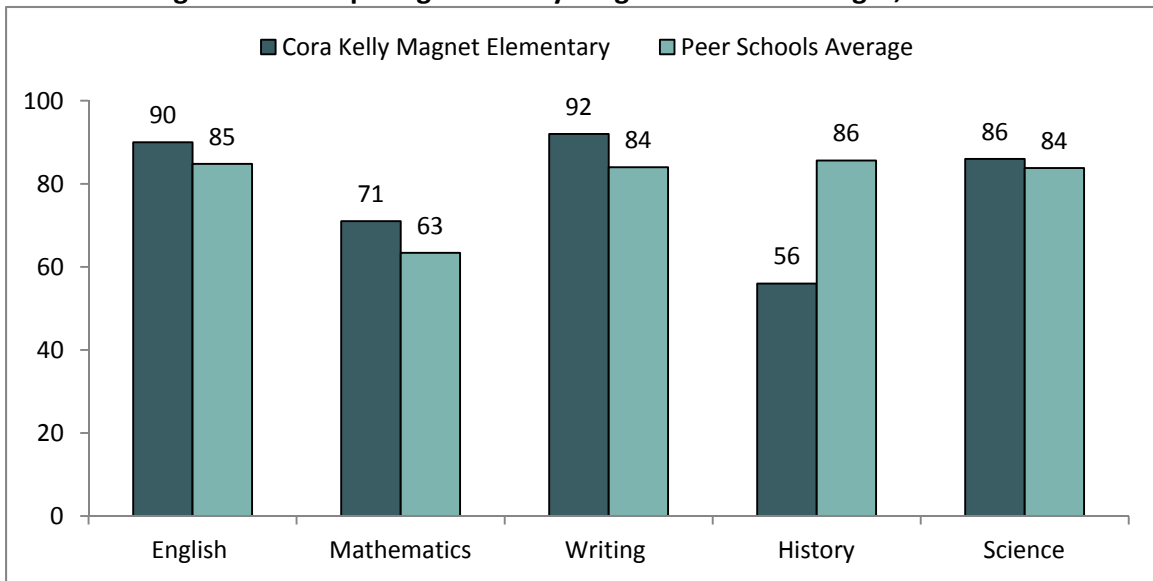


Figure 1.8: Comparing Cora Kelly Magnet to Peer Averages, 2011-12



DOUGLAS MACARTHUR ELEMENTARY SCHOOL
2012-13 DATA

Figure 1.9: Douglas Macarthur Elementary Peers, 2012-13

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
Douglas Macarthur Elementary	Alexandria City	-	Fully Accredited	Met all Federal AMOs	81	73	78	88	82
Pinchbeck Elementary	Henrico County	0.27	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	72	76	87	92	89
Antietam Elementary	Prince William County	0.46	Fully Accredited	Met all Federal AMOs	81	80	74	96	89
Springwoods Elementary	Prince William County	0.46	Fully Accredited	Met all Federal AMOs	78	78	85	90	87
Cedar Forest Elementary	Spotsylvania County	0.51	Fully Accredited	Met all Federal AMOs	68	75	68	91	82
Rocky Run Elementary	Stafford County	0.52	Fully Accredited	Title I Focus School	75	76	69	88	81
Peer Schools Average		0.44			75	77	77	91	86

Note: The table cell color indicates the level of similarity to ACPs school using the following Similarity Index ranges:

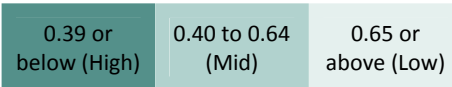
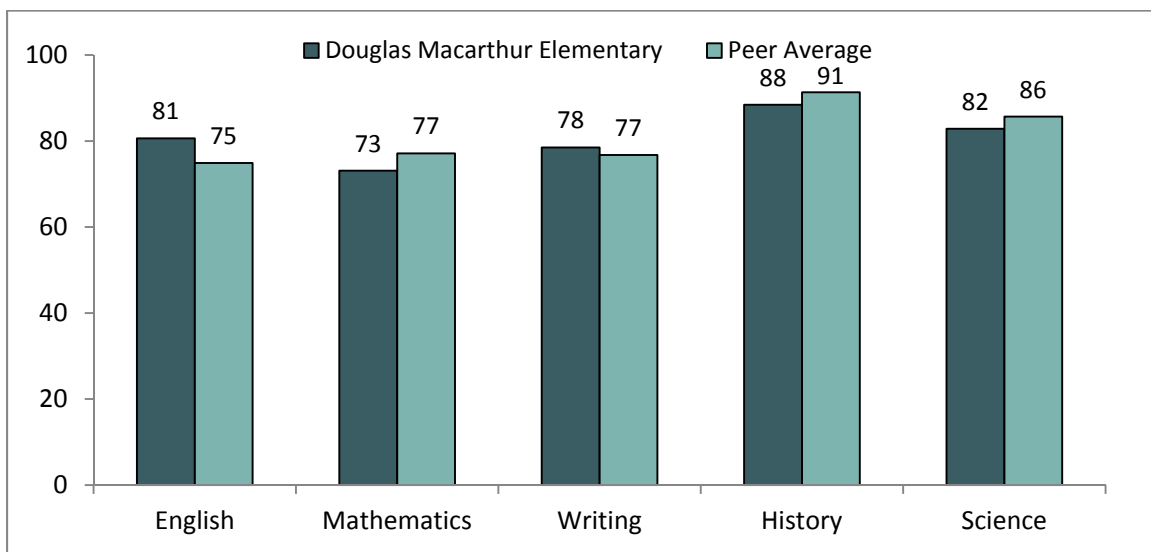


Figure 1.10: Comparing Douglas Macarthur Elementary to Peer Averages, 2012-13



2011-12 DATA

Figure 1.11: Douglas Macarthur Elementary Peers, 2011-12

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
Douglas Macarthur Elementary	Alexandria City		Fully Accredited	Met all Federal AMOs	91	68	97	86	92
Pinchbeck Elementary	Henrico County	0.27	Fully Accredited	Met all Federal AMOs	88	76	97	97	93
Antietam Elementary	Prince William County	0.46	Fully Accredited	Met all Federal AMOs	93	78	91	97	94
Springwoods Elementary	Prince William County	0.46	Fully Accredited	Met all Federal AMOs	96	75	97	95	98
Cedar Forest Elementary	Spotsylvania County	0.51	Fully Accredited	Met all Federal AMOs	87	65	76	91	91
Rocky Run Elementary	Stafford County	0.52	Fully Accredited	Title I Focus School	82	69	82	89	89
Peer Schools Average		0.44			89	73	89	94	93

Note: The table cell color indicates the level of similarity to ACPs school using the following Similarity Index ranges:

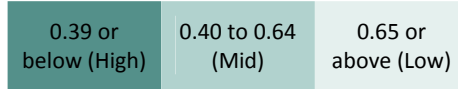
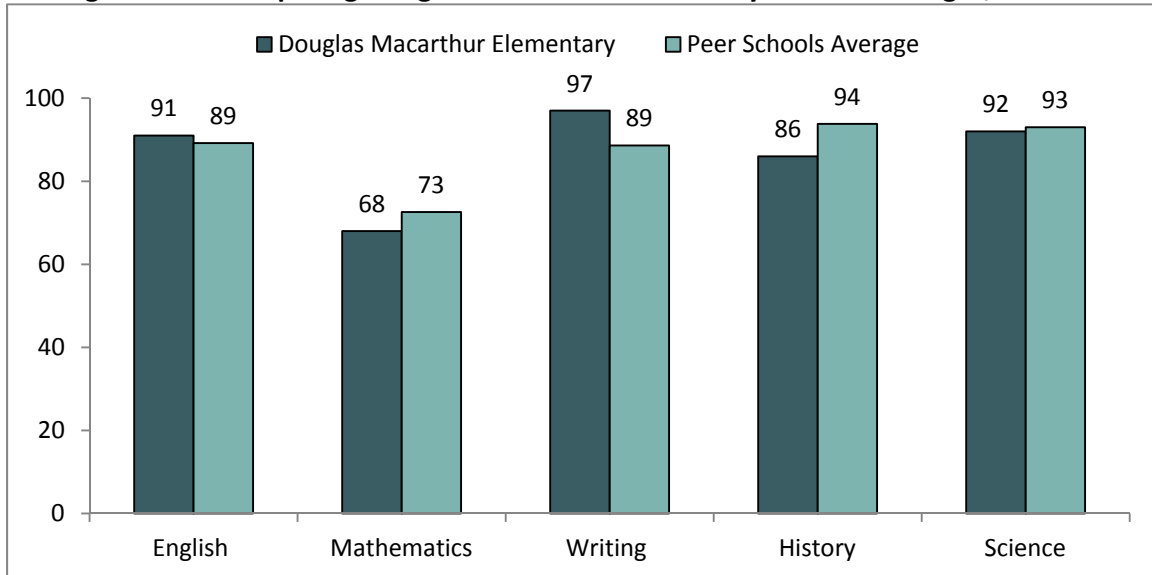


Figure 1.12: Comparing Douglas Macarthur Elementary to Peer Averages, 2011-12



GEORGE MASON ELEMENTARY SCHOOL
2012-13 DATA

Figure 1.13: George Mason Elementary Peers, 2012-13

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
George Mason Elementary	Alexandria City	-	Fully Accredited	Improvement Plan Required	79	75	89	92	88
Leesburg Elementary	Loudoun County	0.37	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	79	71	76	90	86
Evergreen Mill Elementary	Loudoun County	0.40	Fully Accredited	Met all Federal AMOs	83	76	86	96	89
Paul H. Cale Elementary	Albemarle County	0.40	Fully Accredited	Met all Federal AMOs	72	69	65	77	72
Countryside Elementary	Loudoun County	0.43	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	74	76	80	94	83
Coles Elementary	Prince William County	0.45	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	76	75	63	85	80
Peer Schools Average		0.41			77	73	74	88	82

Note: The table cell color indicates the level of similarity to ACPs school using the following Similarity Index ranges:

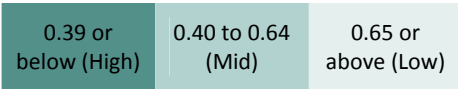
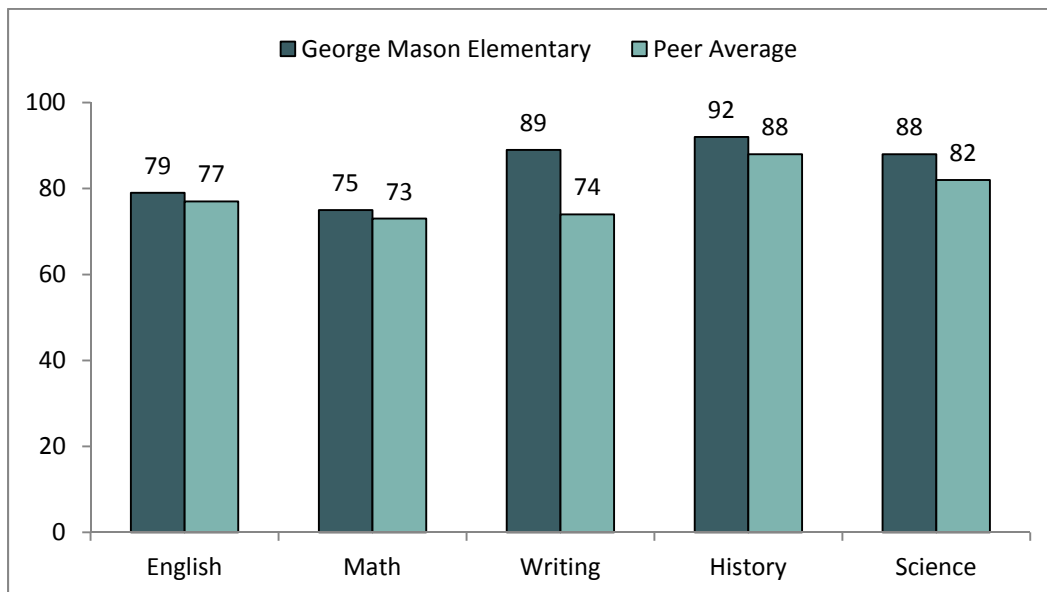


Figure 1.14: Comparing George Mason Elementary to Peer Averages, 2012-13



2011-12 DATA

Figure 1.15: George Mason Elementary Peers, 2011-12

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
George Mason Elementary	Alexandria City		Fully Accredited	Improvement Plan Required	85	70	88	89	88
Leesburg Elementary	Loudoun County	0.37	Fully Accredited	Met all Federal AMOs	90	77	93	94	94
Evergreen Mill Elementary	Loudoun County	0.40	Fully Accredited	Met all Federal AMOs	90	58	97	93	90
Paul H. Cale Elementary	Albemarle County	0.40	Fully Accredited	Met all Federal AMOs	86	60	83	73	82
Countryside Elementary	Loudoun County	0.43	Fully Accredited	Improvement Plan Required	83	72	87	93	87
Coles Elementary	Prince William County	0.45	Fully Accredited	Improvement Plan Required	85	72	83	81	85
Peer Schools Average		0.41			87	68	89	87	88

Note: The table cell color indicates the level of similarity to ACPS school using the following Similarity Index ranges:

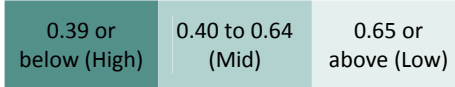
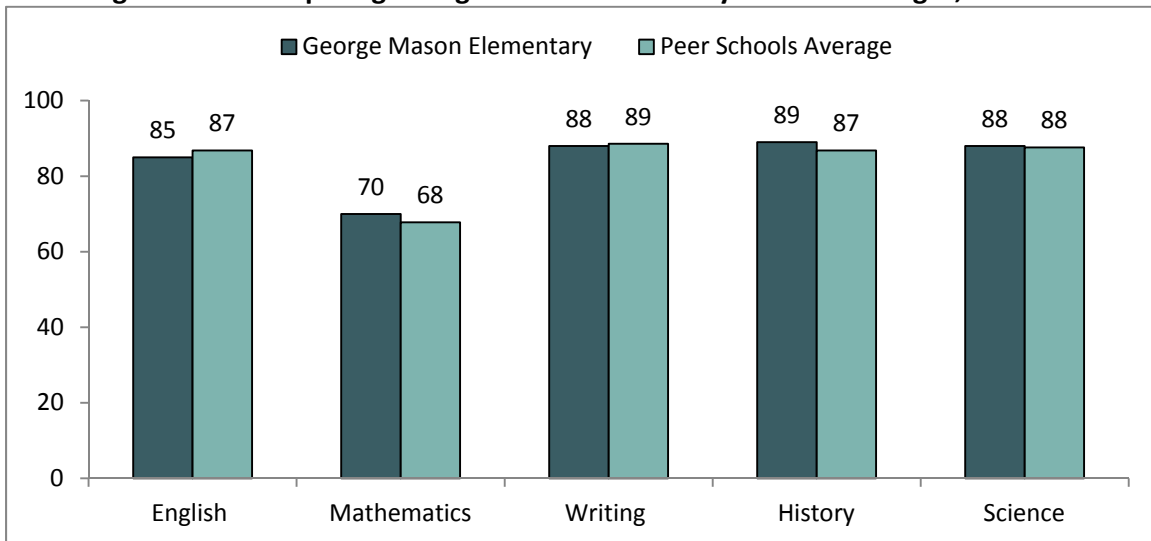


Figure 1.16: Comparing George Mason Elementary to Peer Averages, 2011-12



JAMES K. POLK ELEMENTARY SCHOOL
2012-13 DATA

Figure 1.17: James K. Polk Elementary Peers, 2012-13

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
James K. Polk Elementary	Alexandria City	-	Fully Accredited	Met all Federal AMOs	68	71	68	80	76
Drew Model Elementary	Arlington County	0.12	Fully Accredited	Title I Focus School	62	59	57	77	58
River Oaks Elementary	Prince William County	0.48	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	70	62	68	89	85
Triangle Elementary	Prince William County	0.48	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	71	70	58	89	77
Dumfries Elementary	Prince William County	0.48	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	58	54	59	78	61
Enterprise Elementary	Prince William County	0.49	Fully Accredited	Met all Federal AMOs	64	65	66	77	78
Peer Schools Average		0.41			65	62	62	82	72

Note: The table cell color indicates the level of similarity to ACPs school using the following Similarity Index ranges:

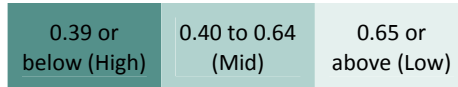
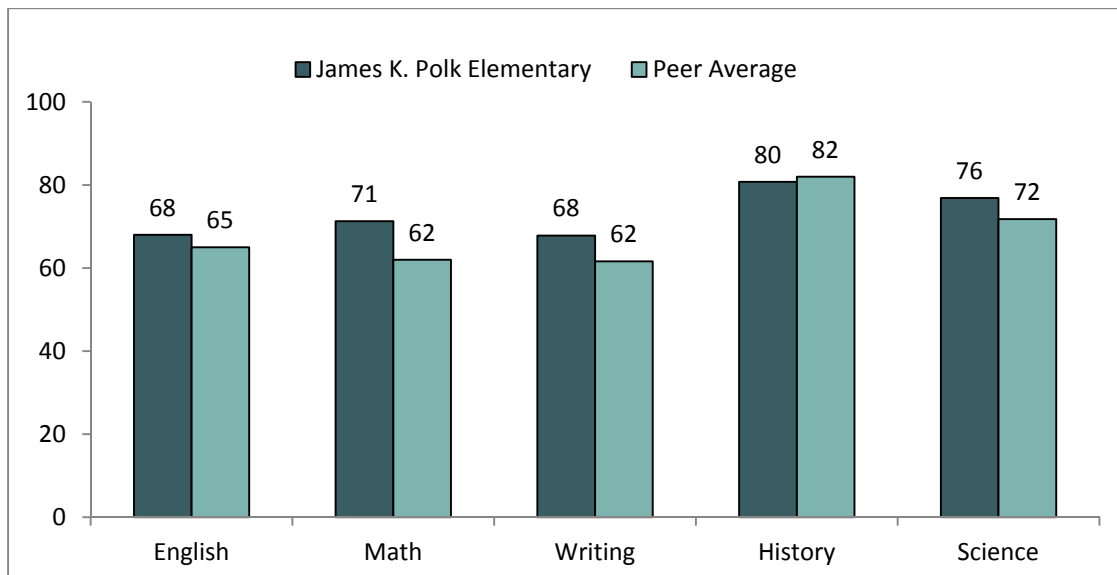


Figure 1.18: Comparing James K. Polk Elementary to Peer Averages, 2012-13



2011-12 DATA

Figure 1.19: James K. Polk Elementary Peers, 2011-12

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
James K. Polk Elementary	Alexandria City		Fully Accredited	Improvement Plan Required	83	57	81	77	78
Drew Model Elementary	Arlington County	0.12	Fully Accredited	Title I Focus School	79	63	79	68	75
River Oaks Elementary	Prince William County	0.48	Fully Accredited	Improvement Plan Required	82	62	87	90	89
Triangle Elementary	Prince William County	0.48	Fully Accredited	Met All Federal AMOs	84	75	96	84	91
Dumfries Elementary	Prince William County	0.48	Fully Accredited	Met All Federal AMOs	87	64	88	85	91
Enterprise Elementary	Prince William County	0.49	Fully Accredited	Improvement Plan Required	77	58	77	89	84
Peer Schools Average		0.41			82	64	85	83	86

Note: The table cell color indicates the level of similarity to ACPs school using the following Similarity Index ranges:

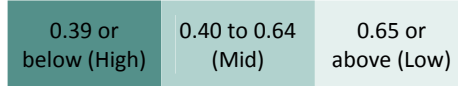
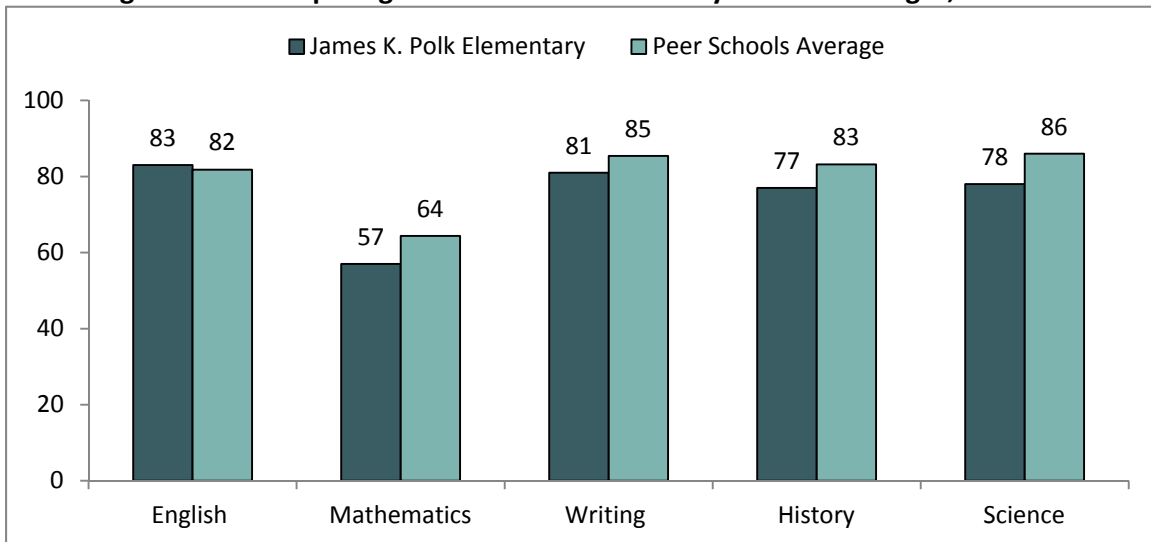


Figure 1.20: Comparing James K. Polk Elementary to Peer Averages, 2011-12



JEFFERSON-HOUSTON ELEMENTARY SCHOOL
2012-13 DATA

Figure 1.21: Jefferson-Houston Elementary School Peers, 2012-13

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
Jefferson-Houston Elementary	Alexandria City	-	Accreditation Denied	Title I Priority School	41	50	45	50	51
George J. McIntosh Elementary	Newport News City	0.57	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	63	57	70	83	88
John B. Cary Elementary	Richmond City	0.57	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	55	47	81	82	69
Miles Jones Elementary	Richmond City	0.60	Accredited with Warning	Improvement Plan Required	37	46	46	68	60
Longdale Elementary	Henrico County	0.63	Fully Accredited	Met all Federal AMOs	56	65	54	80	72
G.A. Treakle Elementary	Chesapeake City	0.66	Fully Accredited	Met all Federal AMOs	70	58	68	95	82
Peer Schools Average		0.61			56	54	64	82	74

Note: The table cell color indicates the level of similarity to ACPS school using the following Similarity Index ranges:

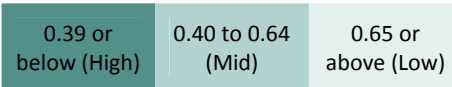
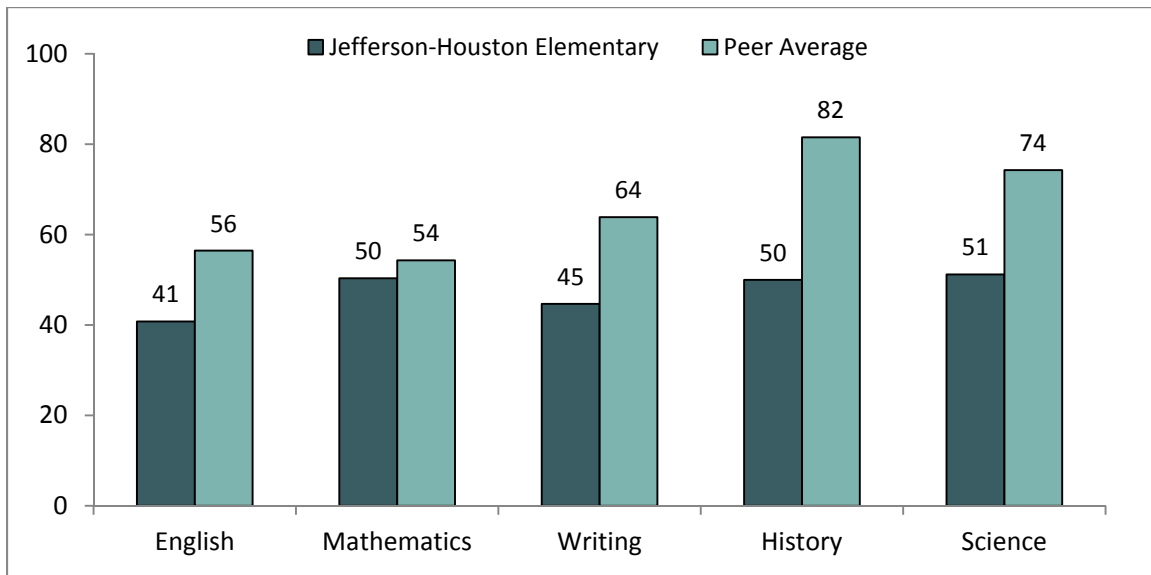


Figure 1.22: Comparing Jefferson-Houston Elementary to Peer Averages, 2012-13



2011-12 DATA

Figure 1.23: Jefferson-Houston Elementary School Peers, 2011-12

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
Jefferson-Houston Elementary	Alexandria City		Accreditation Denied	Title I Priority School	61	35	56	48	43
George J. McIntosh Elementary	Newport News City	0.57	Fully Accredited	Improvement Plan Required	82	55	81	83	93
John B. Cary Elementary	Richmond City	0.57	Fully Accredited	Met All Federal AMOs	92	69	93	93	89
Miles Jones Elementary	Richmond City	0.60	Fully Accredited	Met All Federal AMOs	87	47	79	81	76
Longdale Elementary	Henrico County	0.63	Fully Accredited	Met All Federal AMOs	86	61	77	87	86
G.A. Treakle Elementary	Chesapeake City	0.66	Fully Accredited	Met All Federal AMOs	95	62	80	94	93
Peer Schools Average		0.61			88	59	82	88	87

Note: The table cell color indicates the level of similarity to ACPS school using the following Similarity Index ranges:

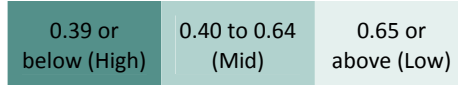
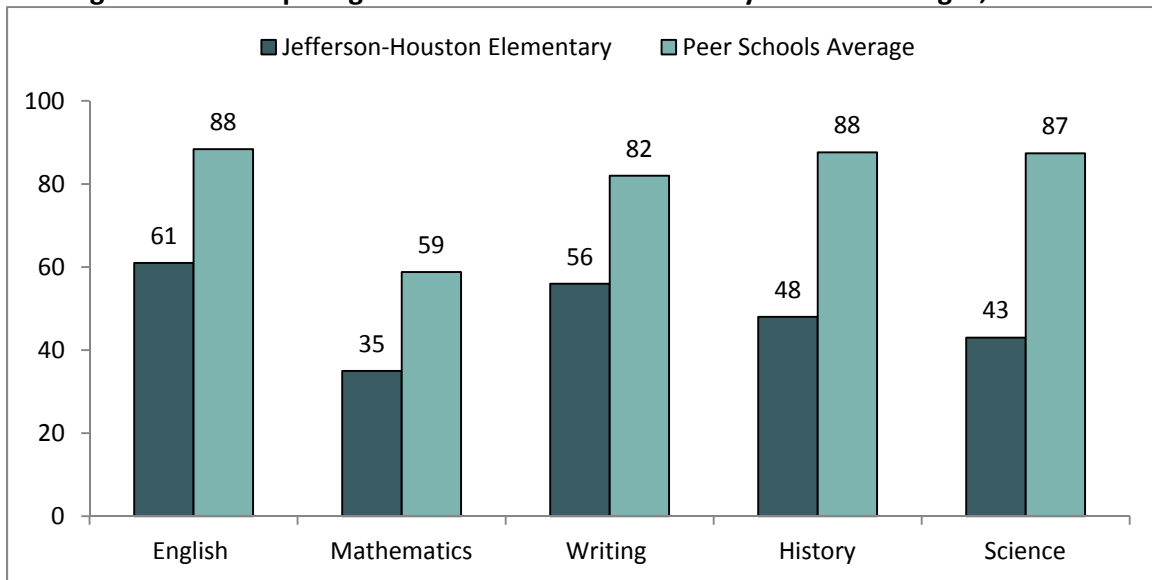


Figure 1.24: Comparing Jefferson-Houston Elementary to Peer Averages, 2011-12



JOHN ADAMS ELEMENTARY SCHOOL
2012-13 DATA

Figure 1.25: John Adams Elementary Peers, 2012-13

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
John Adams Elementary	Alexandria City	-	Fully Accredited	Title I Focus School	64	63	63	81	73
Drew Model Elementary	Arlington County	0.28	Fully Accredited	Title I Focus School	62	59	57	77	58
Abingdon Elementary	Arlington County	0.45	Fully Accredited	Met all Federal AMOs	65	76	70	86	85
Triangle Elementary	Prince William County	0.46	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	71	70	58	89	77
Dumfries Elementary	Prince William County	0.54	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	58	54	59	78	61
River Oaks Elementary	Prince William County	0.54	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	70	62	68	89	85
Peer Schools Average		0.45			65	64	62	84	73

Note: The table cell color indicates the level of similarity to ACPs school using the following Similarity Index ranges:

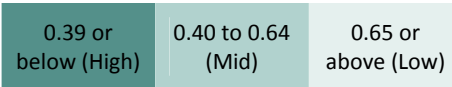
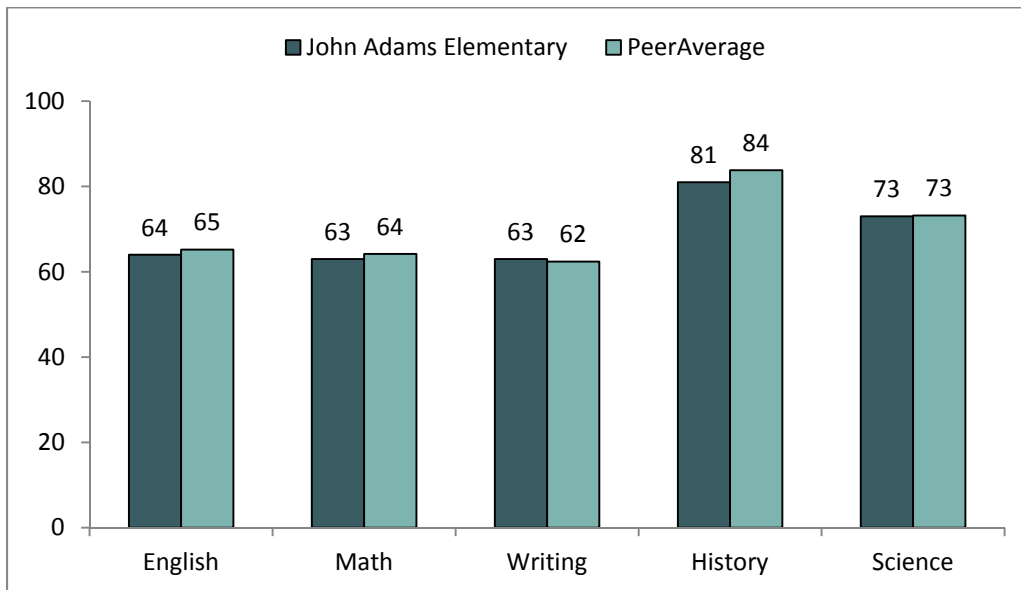


Figure 1.26: Comparing John Adams Elementary to Peer Averages, 2012-13



2011-12 DATA

Figure 1.27: John Adams Elementary Peers, 2011-12

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
John Adams Elementary	Alexandria City		Fully Accredited	Title I Focus School	73	50	72	74	66
Drew Model Elementary	Arlington County	0.28	Fully Accredited	Title I Focus School	79	63	79	68	75
Abingdon Elementary	Arlington County	0.45	Fully Accredited	Met All Federal AMOs	85	69	85	81	79
Triangle Elementary	Prince William County	0.46	Fully Accredited	Met All Federal AMOs	84	75	96	84	91
Dumfries Elementary	Prince William County	0.54	Fully Accredited	Met All Federal AMOs	87	64	88	85	91
River Oaks Elementary	Prince William County	0.54	Fully Accredited	Improvement Plan Required	82	62	87	90	89
Peer Schools Average		0.45			83	67	87	82	85

Note: The table cell color indicates the level of similarity to ACPS school using the following Similarity Index ranges:

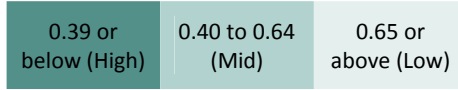
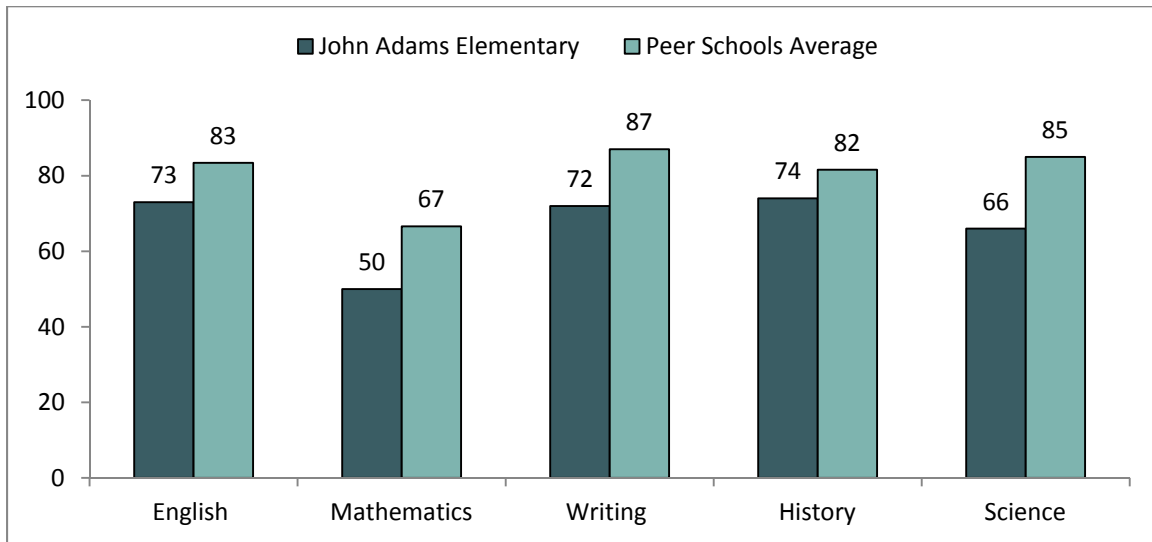


Figure 1.28: Comparing John Adams Elementary to Peer Averages, 2011-12



LYLES CROUCH ELEMENTARY SCHOOL
2012-13 DATA

Figure 1.29: Lyles Crouch Elementary Peers, 2012-13

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
Lyles-Crouch Elementary	Alexandria City	-	Fully Accredited	Met all Federal AMOs	79	78	81	92	85
Hartwood Elementary	Stafford County	0.53	Fully Accredited	Met all Federal AMOs	81	81	71	90	87
Westridge Elementary	Prince William County	0.57	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	84	81	76	93	85
Larchmont Elementary	Norfolk City	0.57	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	86	84	88	95	89
Greenwood Elementary	Henrico County	0.57	Fully Accredited	Met all Federal AMOs	78	83	78	95	93
Park Ridge Elementary	Stafford County	0.58	Fully Accredited	Met all Federal AMOs	73	81	68	87	80
Peer Schools Average		0.56			80	82	76	92	87

Note: The table cell color indicates the level of similarity to ACPS school using the following Similarity Index ranges:

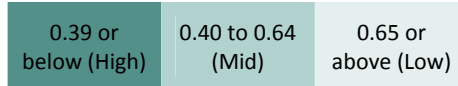
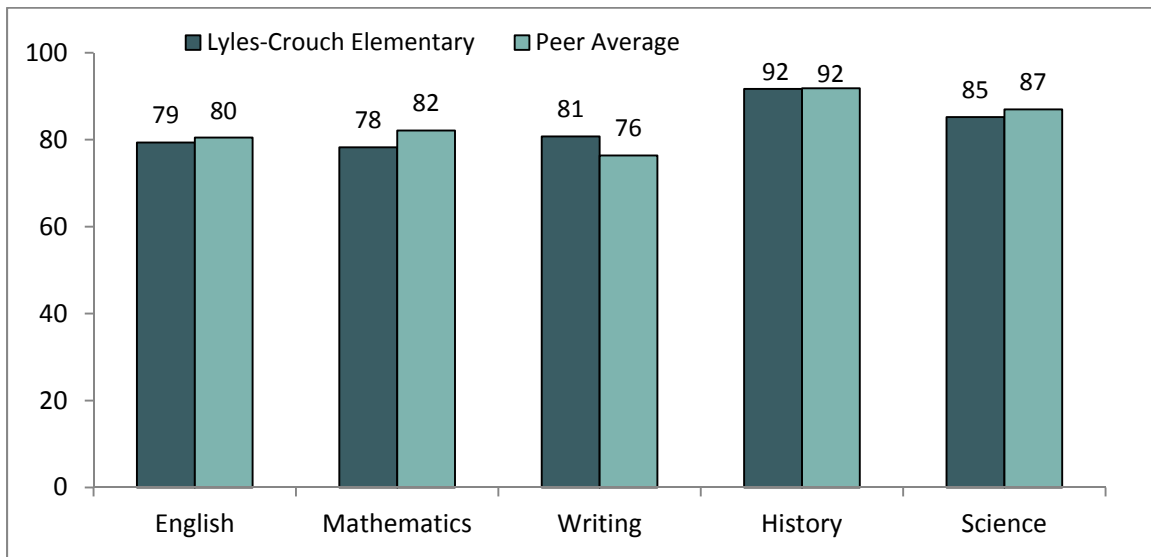


Figure 1.30: Comparing Lyles Crouch Elementary to Peer Averages, 2012-13



2011-12 DATA

Figure 1.31: Lyles Crouch Elementary Peers, 2011-12

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
Lyles-Crouch Elementary	Alexandria City		Fully Accredited	Met All Federal AMOs	85	74	84	90	89
Hartwood Elementary	Stafford County	0.53	Fully Accredited	Met All Federal AMOs	91	80	91	90	93
Westridge Elementary	Prince William County	0.57	Fully Accredited	Met All Federal AMOs	95	83	94	97	96
Larchmont Elementary	Norfolk City	0.57	Fully Accredited	Met All Federal AMOs	98	87	100	99	99
Greenwood Elementary	Henrico County	0.57	Fully Accredited	Met All Federal AMOs	92	76	92	92	94
Park Ridge Elementary	Stafford County	0.58	Fully Accredited	Improvement Plan Required	86	78	89	86	88
Peer Schools Average		0.56			92	81	93	93	94

Note: The table cell color indicates the level of similarity to ACPS school using the following Similarity Index ranges:

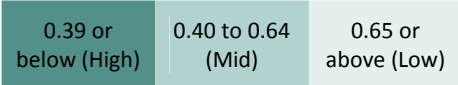
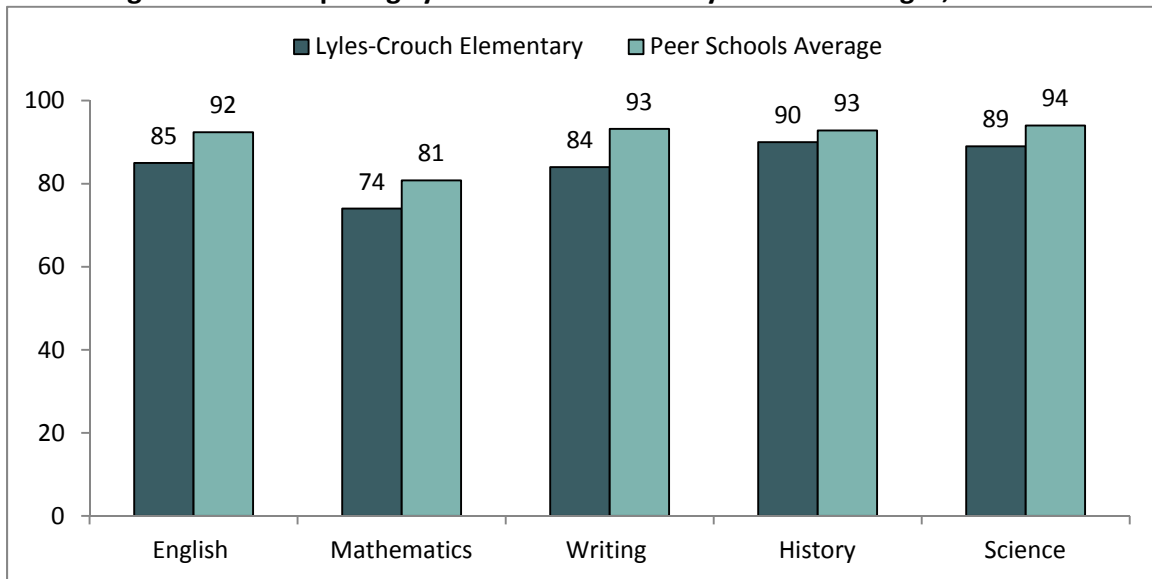


Figure 1.32: Comparing Lyles Crouch Elementary to Peer Averages, 2011-12



MAURY ELEMENTARY SCHOOL
2012-13 DATA

Figure 1.33: Maury Elementary School Peers, 2012-13

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
Maury Elementary	Alexandria City	-	Fully Accredited	Met all Federal AMOs	79	80	84	82	82
D.J. Montague Elementary	Williamsburg-James City County	0.39	Fully Accredited	Met all Federal AMOs	81	81	69	91	83
Magruder Elementary	York County	0.46	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	83	86	80	94	94
Norge Elementary	Williamsburg-James City County	0.48	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	76	79	70	86	81
Fairfield Elementary	Virginia Beach City	0.54	Fully Accredited	Met all Federal AMOs	74	74	60	87	77
Indian Lakes Elementary	Virginia Beach City	0.56	Fully Accredited	Met all Federal AMOs	87	85	73	94	88
Peer Schools Average		0.49			80	81	70	90	85

Note: The table cell color indicates the level of similarity to ACPs school using the following Similarity Index ranges:

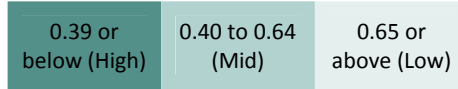
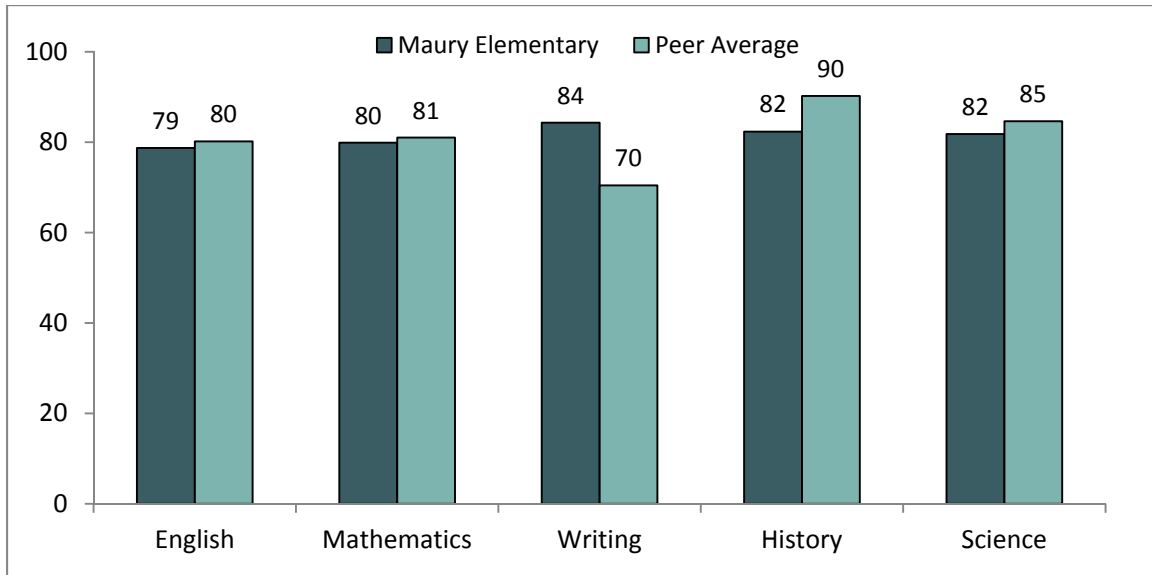


Figure 1.34: Comparing Maury Elementary to Peer Averages, 2012-13



2011-12 DATA

Figure 1.35: Maury Elementary School Peers, 2011-12

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
Maury Elementary	Alexandria City		Fully Accredited	Improvement Plan Required	84	73	84	85	84
D.J. Montague Elementary	Williamsburg-James City County	0.39	Fully Accredited	Met All Federal AMOs	97	79	92	87	89
Magruder Elementary	York County	0.46	Fully Accredited	Met All Federal AMOs	96	82	93	96	95
Norge Elementary	Williamsburg-James City County	0.48	Fully Accredited	Met All Federal AMOs	91	70	87	80	91
Fairfield Elementary	Virginia Beach City	0.54	Fully Accredited	Met All Federal AMOs	89	62	88	89	87
Indian Lakes Elementary	Virginia Beach City	0.56	Fully Accredited	Met All Federal AMOs	95	78	98	97	97
Peer Schools Average		0.49			94	74	92	90	92

Note: The table cell color indicates the level of similarity to ACPS school using the following Similarity Index ranges:

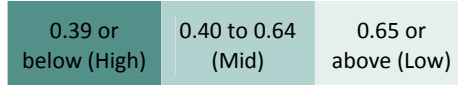
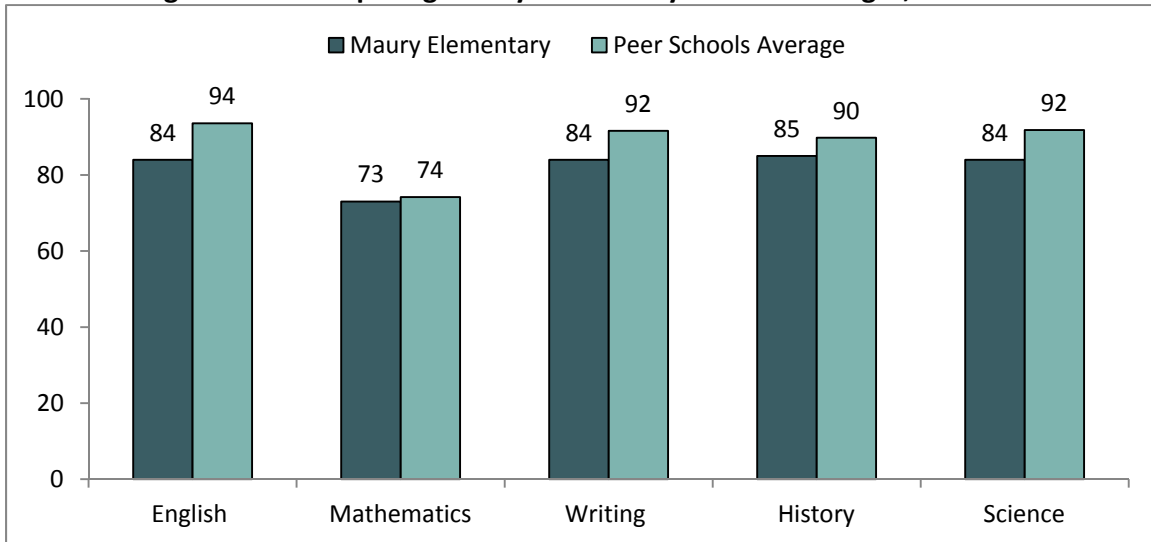


Figure 1.36: Comparing Maury Elementary to Peer Averages, 2011-12



MOUNT VERNON ELEMENTARY SCHOOL
2012-13 DATA

Figure 1.37: Mount Vernon Elementary Peers, 2012-13

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
Mount Vernon Elementary	Alexandria City	-	Fully Accredited	Improvement Plan Required	53	50	53	75	55
Rolling Ridge Elementary	Loudoun County	0.44	Fully Accredited	Title I Focus School	67	77	56	83	75
Belvedere Elementary	Fairfax County	0.49	Fully Accredited	Met all Federal AMOs	79	80	83	86	82
C.A. Sinclair Elementary	Prince William County	0.51	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	70	69	62	86	84
Belmont Elementary	Prince William County	0.62	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	61	74	52	93	81
Kerrydale Elementary	Prince William County	0.65	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	73	73	75	94	85
Peer Schools Average		0.54			70	75	66	88	81

Note: The table cell color indicates the level of similarity to ACPs school using the following Similarity Index ranges:

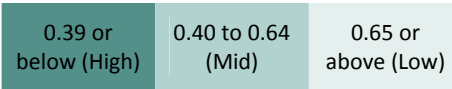
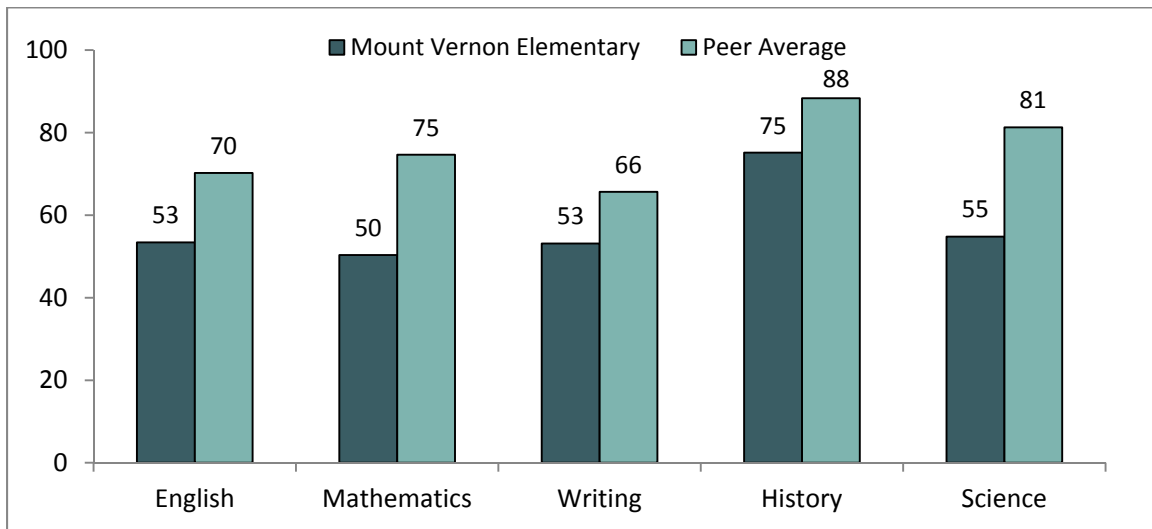


Figure 1.38: Comparing Mount Vernon Elementary to Peer Averages, 2012-13



2011-12 DATA

Figure 1.39: Mount Vernon Elementary Peers, 2011-12

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
Mount Vernon Elementary	Alexandria City		Fully Accredited	Improvement Plan Required	75	56	80	68	78
Rolling Ridge Elementary	Loudoun County	0.44	Fully Accredited	Title I Focus School	78	60	93	81	84
Belvedere Elementary	Fairfax County	0.49	Fully Accredited	Met All Federal AMOs	90	68	91	94	88
C.A. Sinclair Elementary	Prince William County	0.51	Fully Accredited	Met all Federal AMOs	83	72	89	87	89
Belmont Elementary	Prince William County	0.62	Fully Accredited	Met All Federal AMOs	84	74	96	92	94
Kerrydale Elementary	Prince William County	0.65	Fully Accredited	Met all Federal AMOs	89	64	92	90	85
Peer Schools Average		0.54			85	68	92	89	88

Note: The table cell color indicates the level of similarity to ACPs school using the following Similarity Index ranges:

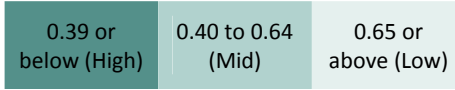
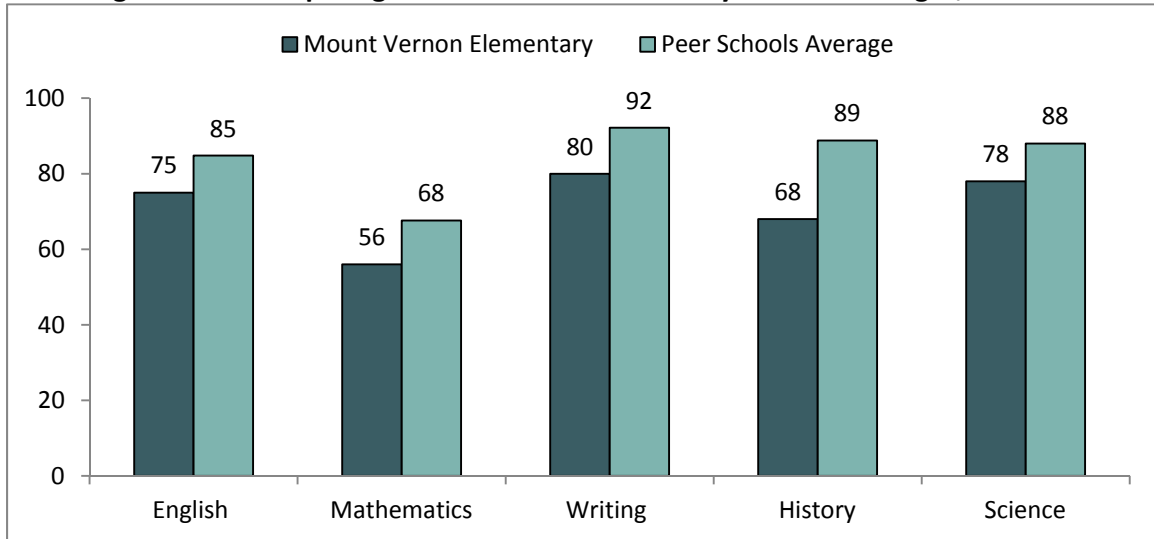


Figure 1.40: Comparing Mount Vernon Elementary to Peer Averages, 2011-12



PATRICK HENRY ELEMENTARY SCHOOL
2012-13 DATA

Figure 1.41: Patrick Henry Elementary Peers, 2012-13

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
Patrick Henry Elementary	Alexandria City	-	Accredited with Warning	Title I Focus School	47	51	48	59	54
Dumfries Elementary	Prince William County	0.47	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	58	54	59	78	61
River Oaks Elementary	Prince William County	0.47	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	70	62	68	89	85
Minnieville Elementary	Prince William County	0.50	Fully Accredited	Met all Federal AMOs	73	78	64	97	84
Metompkin Elementary	Accomack County	0.53	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	56	52	75	77	71
Triangle Elementary	Prince William County	0.54	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	71	70	58	89	77
Peer Schools Average		0.50			66	63	65	86	76

Note: The table cell color indicates the level of similarity to ACPS school using the following Similarity Index ranges:

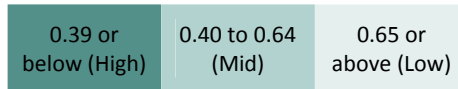
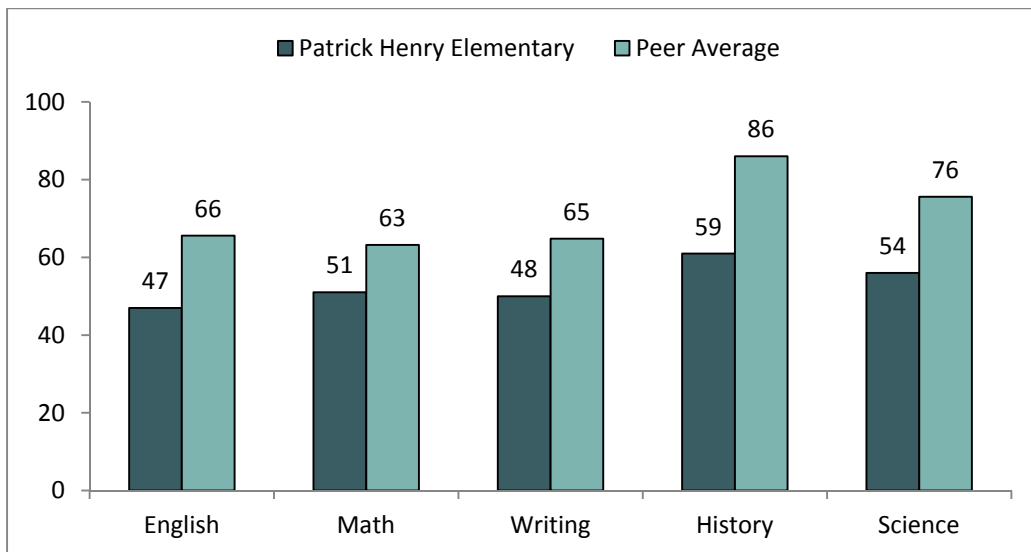


Figure 1.42: Comparing Patrick Henry Elementary to Peer Averages, 2012-13



2011-12 DATA

Figure 1.43: Patrick Henry Elementary Peers, 2011-12

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
Patrick Henry Elementary	Alexandria City		Fully Accredited	Title I Focus School	65	30	78	52	67
Dumfries Elementary	Prince William County	0.47	Fully Accredited	Met All Federal AMOs	87	64	88	85	91
River Oaks Elementary	Prince William County	0.47	Fully Accredited	Improvement Plan Required	82	62	87	90	89
Minnieville Elementary	Prince William County	0.50	Fully Accredited	Improvement Plan Required	84	73	86	94	90
Metompkin Elementary	Accomack County	0.53	Fully Accredited	Met All Federal AMOs	85	67	81	86	82
Triangle Elementary	Prince William County	0.54	Fully Accredited	Met All Federal AMOs	84	75	96	84	91
Peer Schools Average		0.50			84	68	88	88	89

Note: The table cell color indicates the level of similarity to ACPS school using the following Similarity Index ranges:

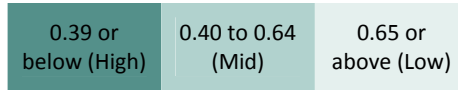
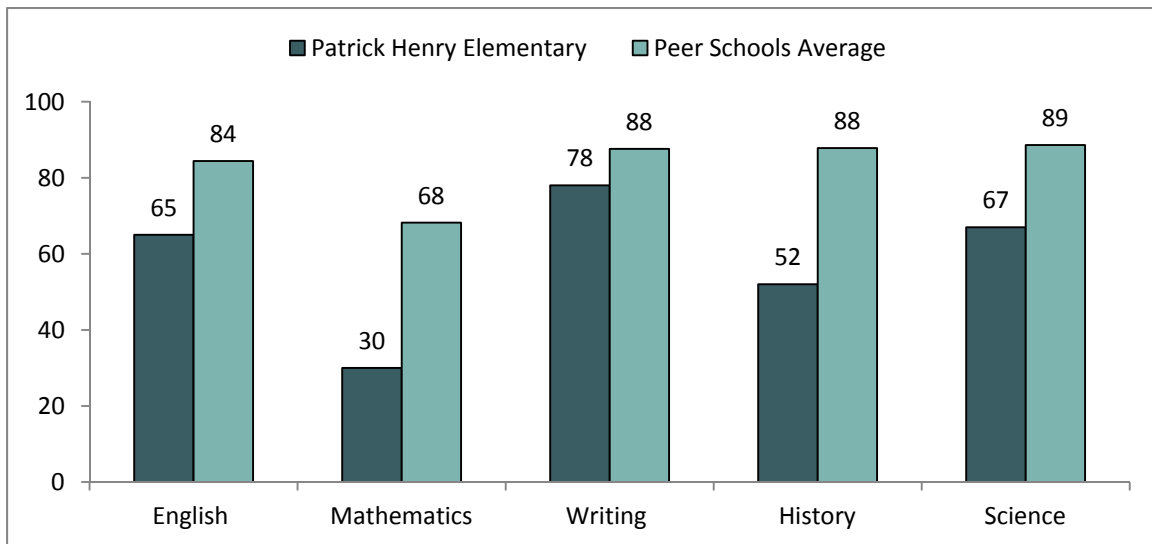


Figure 1.44: Comparing Patrick Henry Elementary to Peer Averages, 2011-12



SAMUEL W. TUCKER ELEMENTARY SCHOOL
2012-13 DATA

Figure 1.45: Samuel W. Tucker Elementary Peers, 2012-13

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
Samuel W. Tucker Elementary	Alexandria City	-	Fully Accredited	Met all Federal AMOs	70	71	79	90	79
Drew Model Elementary	Arlington County	0.17	Fully Accredited	Title I Focus School	62	59	57	77	58
Fannie W. Fitzgerald Elementary	Prince William County	0.48	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	64	60	73	79	74
River Oaks Elementary	Prince William County	0.50	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	70	62	68	89	85
Martin Luther King Jr. Elementary	Prince William County	0.53	Fully Accredited	Met all Federal AMOs	81	79	75	90	83
Dumbarton Elementary	Henrico County	0.54	Fully Accredited	Met all Federal AMOs	60	58	60	80	79
Peer Schools Average		0.44			67	64	67	83	76

Note: The table cell color indicates the level of similarity to ACPs school using the following Similarity Index ranges:

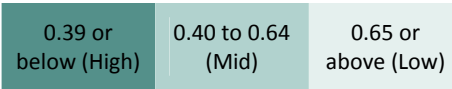
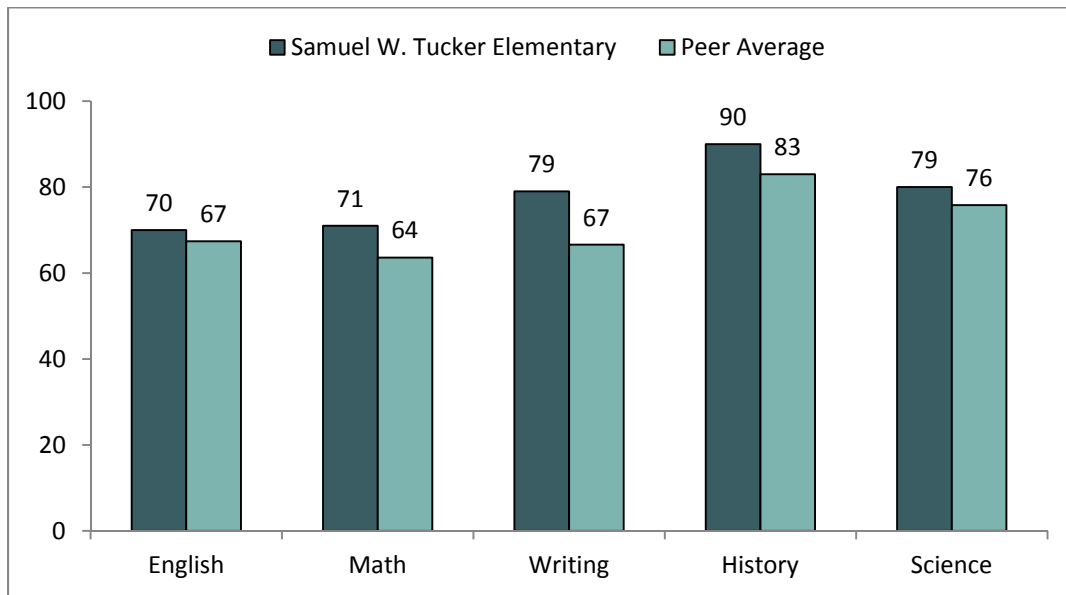


Figure 1.46: Comparing Samuel W. Tucker Elementary to Peer Averages, 2012-13



2011-12 DATA

Figure 1.47: Samuel W. Tucker Elementary Peers, 2011-12

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
Samuel W. Tucker Elementary	Alexandria City		Fully Accredited	Improvement Plan Required	80	47	80	82	80
Drew Model Elementary	Arlington County	0.17	Fully Accredited	Title I Focus School	79	63	79	68	75
Fannie W. Fitzgerald Elementary	Prince William County	0.48	Fully Accredited	Met All Federal AMOs	82	58	90	80	85
River Oaks Elementary	Prince William County	0.50	Fully Accredited	Improvement Plan Required	82	62	87	90	89
Martin Luther King Jr. Elementary	Prince William County	0.53	Fully Accredited	Improvement Plan Required	90	73	86	93	92
Dumbarton Elementary	Henrico County	0.54	Fully Accredited	Met All Federal AMOs	88	53	75	81	89
Peer Schools Average		0.44			84	62	83	82	86

Note: The table cell color indicates the level of similarity to ACPS school using the following Similarity Index ranges:

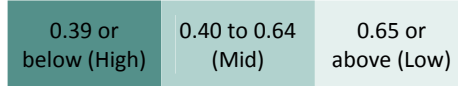
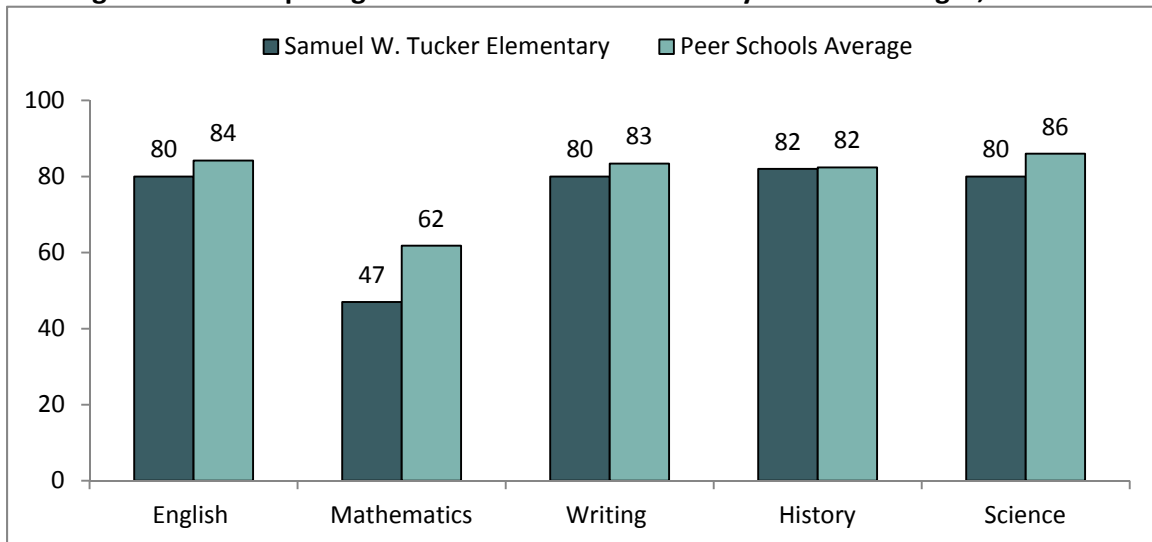


Figure 1.48: Comparing Samuel W. Tucker Elementary to Peer Averages, 2011-12



WILLIAM RAMSAY ELEMENTARY SCHOOL
2012-13 DATA

Figure 1.49: William Ramsay Elementary Peers, 2012-13

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
William Ramsay Elementary	Alexandria City	-	Fully Accredited	Improvement Plan Required	60	50	41	72	58
Parklawn Elementary	Fairfax County	0.36	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	59	66	71	84	60
Annandale Terrace Elementary	Fairfax County	0.36	Fully Accredited	Title I Focus School	52	57	60	77	47
E.S.H. Greene Elementary	Richmond City	0.42	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	62	63	72	80	69
Elizabeth Vaughan Elementary	Prince William County	0.47	Fully Accredited	Title I Focus School	62	66	53	76	57
George P. Mullen Elementary	Prince William County	0.50	Fully Accredited	Met all Federal AMOs	81	85	70	94	89
Peer Schools Average		0.42			63	67	65	82	64

Note: The table cell color indicates the level of similarity to ACPs school using the following Similarity Index ranges:

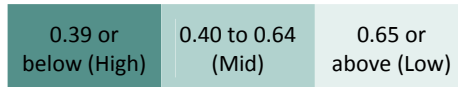
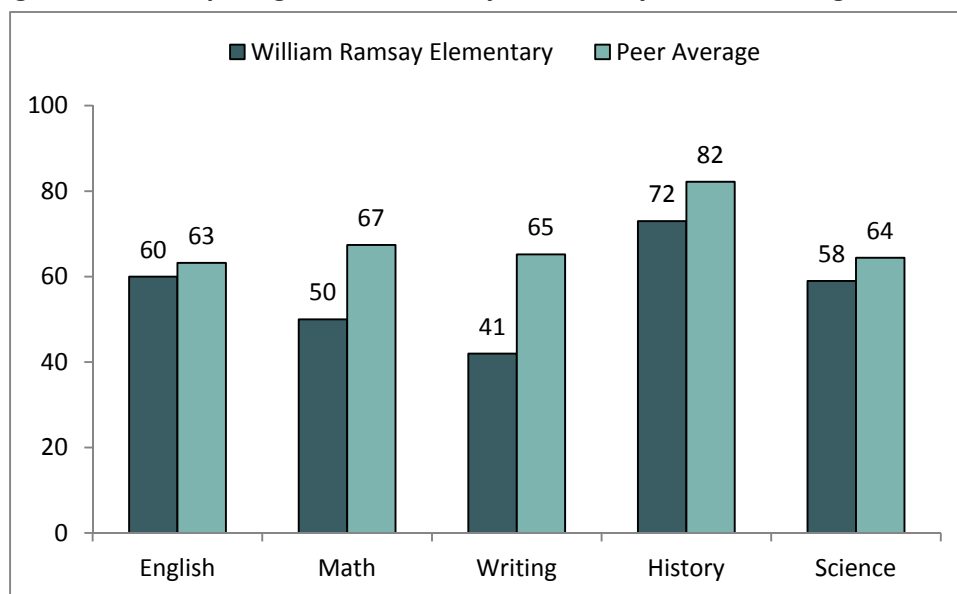


Figure 1.50: Comparing William Ramsay Elementary to Peer Averages, 2012-13



2011-12 DATA

Figure 1.51: William Ramsay Elementary Peers, 2011-12

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
William Ramsay Elementary	Alexandria City		Fully Accredited	Met All Federal AMOs	82	49	77	74	69
Parklawn Elementary	Fairfax County	0.36	Fully Accredited	Met All Federal AMOs	87	68	88	78	80
Annandale Terrace Elementary	Fairfax County	0.36	Fully Accredited	Title I Focus School	79	48	77	75	68
E.S.H. Greene Elementary	Richmond City	0.42	Fully Accredited	Met all Federal AMOs	89	67	85	83	78
Elizabeth Vaughan Elementary	Prince William County	0.47	Fully Accredited	Title I Focus School	74	56	90	78	80
George P. Mullen Elementary	Prince William County	0.50	Fully Accredited	Improvement Plan Required	82	69	93	94	88
Peer Schools Average		0.42			82	62	87	82	79

Note: The table cell color indicates the level of similarity to ACPS school using the following Similarity Index ranges:

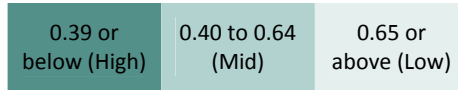
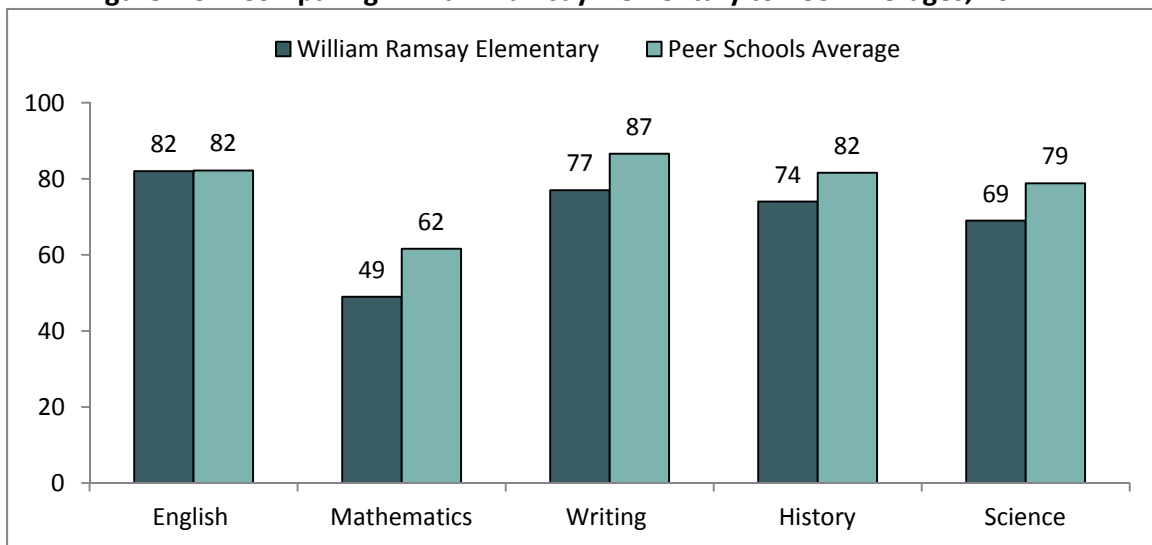


Figure 1.52: Comparing William Ramsay Elementary to Peer Averages, 2011-12



SECTION II: MIDDLE SCHOOLS

FRANCIS C. HAMMOND MIDDLE SCHOOL (1)

2012-13 DATA

Figure 2.1: Francis C. Hammond Middle (1) Peers, 2012-13

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
Francis C. Hammond Middle (1)	Alexandria City	-	Accredited with Warning	Improvement Plan Required	57	54	59	83	55
Jefferson Middle	Arlington County	0.49	Fully Accredited	Improvement Plan Required	73	75	74	81	65
Holmes Middle	Fairfax County	0.64	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	77	82	62	91	71
Mills E. Godwin Middle	Prince William County	0.68	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	70	70	69	74	70
Rippon Middle	Prince William County	0.71	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	68	68	64	73	66
Woodbridge Middle	Prince William County	0.78	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	75	85	64	81	77
Peer Schools Average		0.66			72	76	67	80	70

Note: The table cell color indicates the level of similarity to ACPS school using the following Similarity Index ranges:

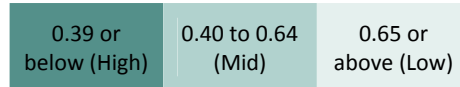
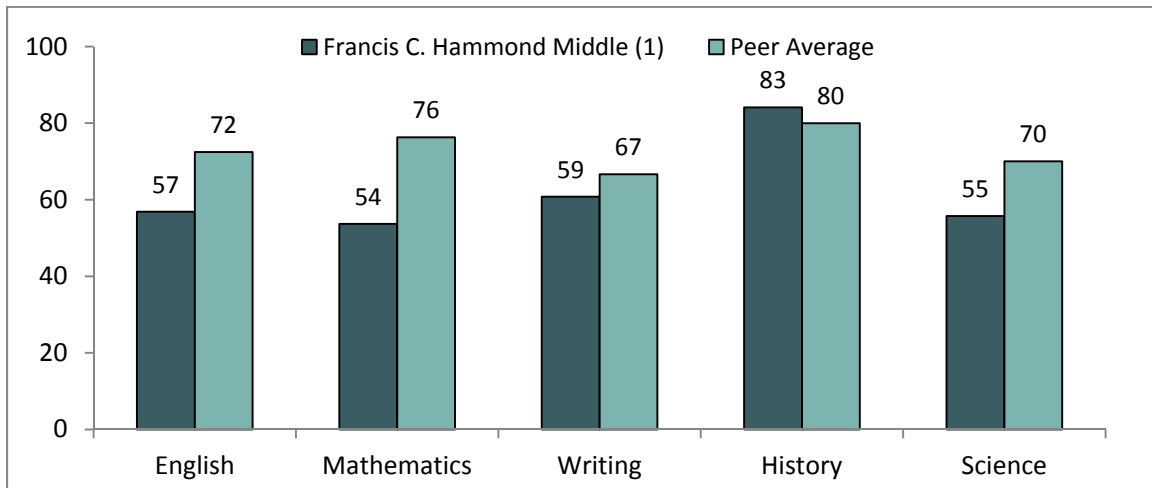


Figure 2.2: Comparing Francis C. Hammond Middle (1) to Peer Averages, 2012-13



2011-12 DATA

Figure 2.3: Francis C. Hammond Middle (1) Peers, 2011-12

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
Francis C. Hammond Middle (1)	Alexandria City		Fully Accredited	Met all Federal AMOs	86	56	86	85	91
Jefferson Middle	Arlington County	0.49	Fully Accredited	Improvement Plan Required	84	70	89	79	91
Holmes Middle	Fairfax County	0.64	Fully Accredited	Met all Federal AMOs	94	83	87	91	93
Mills E. Godwin Middle	Prince William County	0.68	Fully Accredited	Met all Federal AMOs	87	70	91	72	90
Rippon Middle	Prince William County	0.71	Fully Accredited	Met all Federal AMOs	86	69	86	73	84
Woodbridge Middle	Prince William County	0.78	Fully Accredited	Improvement Plan Required	91	81	92	88	95
Peer Schools Average		0.66			88	75	89	81	91

Note: The table cell color indicates the level of similarity to ACPs school using the following Similarity Index ranges:

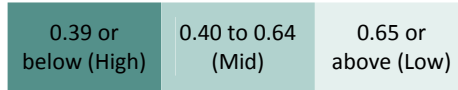
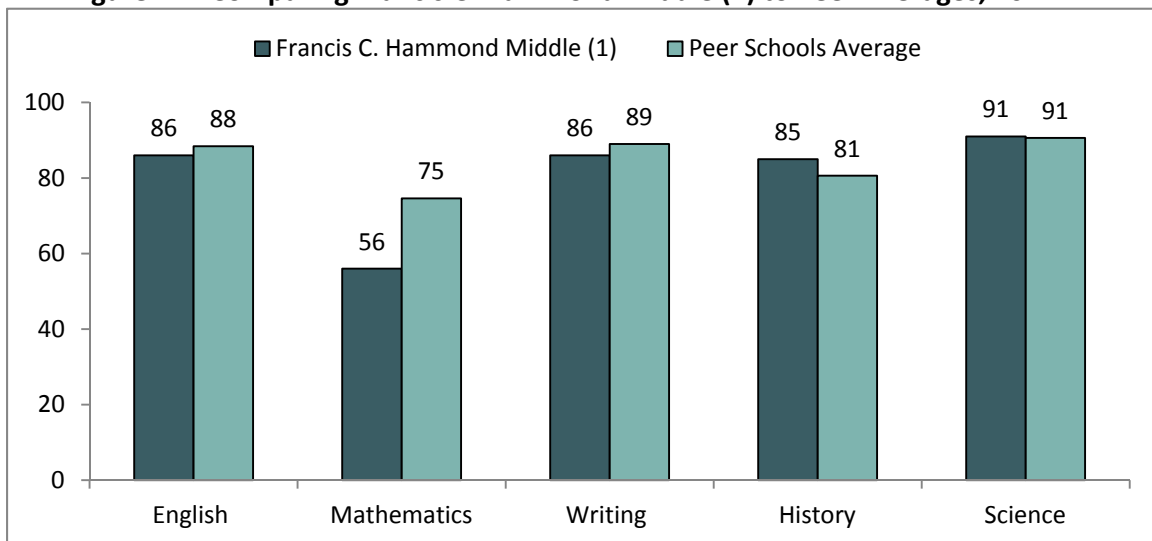


Figure 2.4: Comparing Francis C. Hammond Middle (1) to Peer Averages, 2011-12



FRANCIS C. HAMMOND MIDDLE SCHOOL (2)
 2012-13 DATA

Figure 2.5: Francis C. Hammond Middle School (2) Peers, 2012-13

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
Francis C. Hammond Middle (2)	Alexandria City	-	Accredited with Warning	Improvement Plan Required	63	55	68	81	52
Elkhardt Middle	Richmond City	0.43	Accredited with Warning	Title I Priority School	36	32	41	64	68
Mills E. Godwin Middle	Prince William County	0.70	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	70	70	69	74	70
Rippon Middle	Prince William County	0.73	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	68	68	64	73	66
Woodbridge Middle	Prince William County	0.81	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	75	85	64	81	77
Stuart M. Beville Middle	Prince William County	0.83	Fully Accredited	Improvement Plan Required	71	70	75	82	74
Peer Schools Average		0.70			64	65	63	75	71

Note: The table cell color indicates the level of similarity to ACPs school using the following Similarity Index ranges:

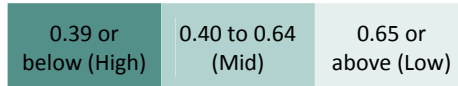
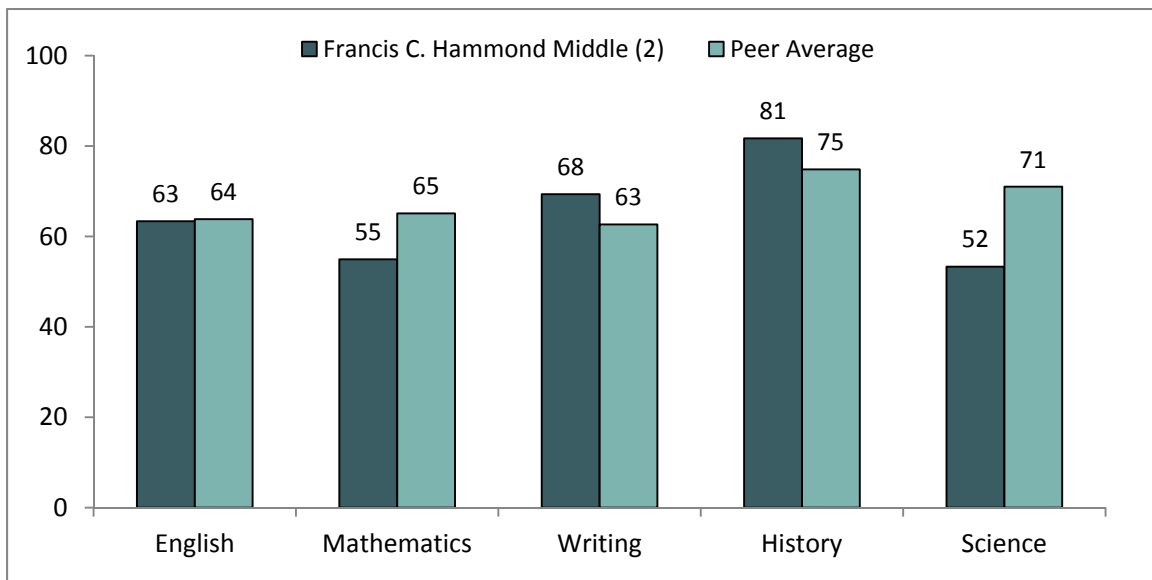


Figure 2.6: Comparing Francis C. Hammond Middle (2) to Peer Averages, 2012-13



2011-12 DATA

Figure 2.7: Francis C. Hammond Middle School (2) Peers, 2011-12

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
Francis C. Hammond Middle (2)	Alexandria City	-	Accredited with Warning	Met all Federal AMOs	86	56	83	88	89
Elkhardt Middle	Richmond City	0.43	Accredited with Warning	Title I Priority School	72	37	75	62	91
Mills E. Godwin Middle	Prince William County	0.70	Fully Accredited	Met all Federal AMOs	87	70	91	72	90
Rippon Middle	Prince William County	0.73	Fully Accredited	Met all Federal AMOs	86	69	86	73	84
Woodbridge Middle	Prince William County	0.81	Fully Accredited	Improvement Plan Required	91	81	92	88	95
Stuart M. Beville Middle	Prince William County	0.83	Fully Accredited	Improvement Plan Required	85	70	90	81	91
Peer Schools Average		0.70			84	65	87	75	90

Note: The table cell color indicates the level of similarity to ACPS school using the following Similarity Index ranges:

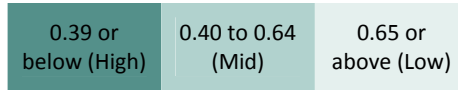
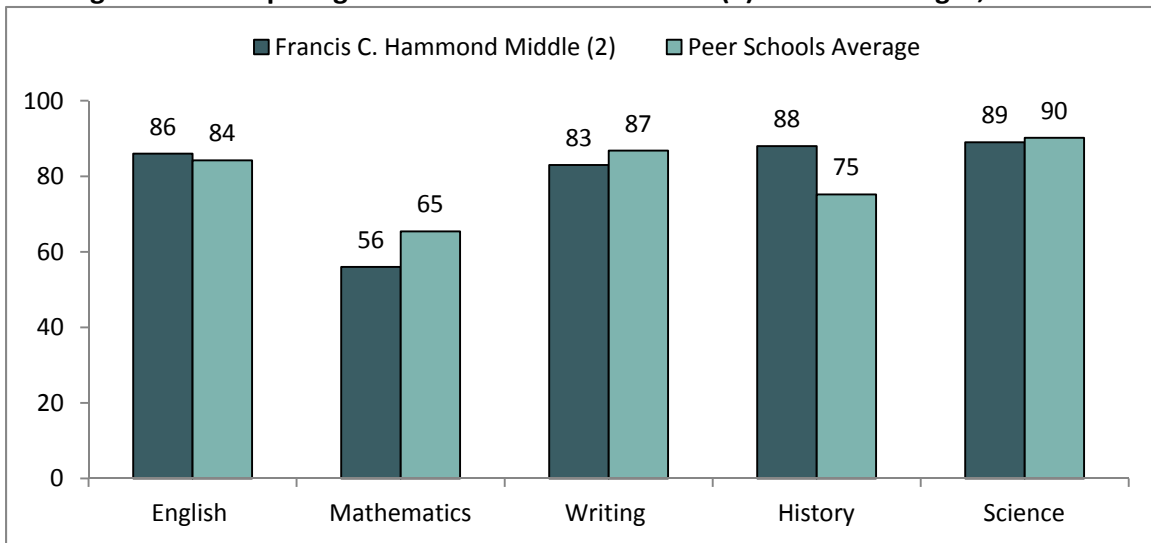


Figure 2.8: Comparing Francis C. Hammond Middle (2) to Peer Averages, 2011-12



FRANCIS C. HAMMOND MIDDLE SCHOOL (3)
 2012-13 DATA

Figure 2.9: Francis C. Hammond Middle School (3) Peers, 2012-13

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
Francis C. Hammond Middle (3)	Alexandria City	-	Accredited with Warning	Improvement Plan Required	57	48	61	83	52
Holmes Middle	Fairfax County	0.64	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	77	82	62	91	71
Mills E. Godwin Middle	Prince William County	0.69	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	70	70	69	74	70
Rippon Middle	Prince William County	0.72	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	68	68	64	73	66
Woodbridge Middle	Prince William County	0.79	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	75	85	64	81	77
Stuart M. Beville Middle	Prince William County	0.81	Fully Accredited	Improvement Plan Required	71	70	75	82	74
Peer Schools Average		0.73			72	75	67	80	72

Note: The table cell color indicates the level of similarity to ACPs school using the following Similarity Index ranges:

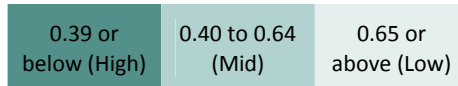
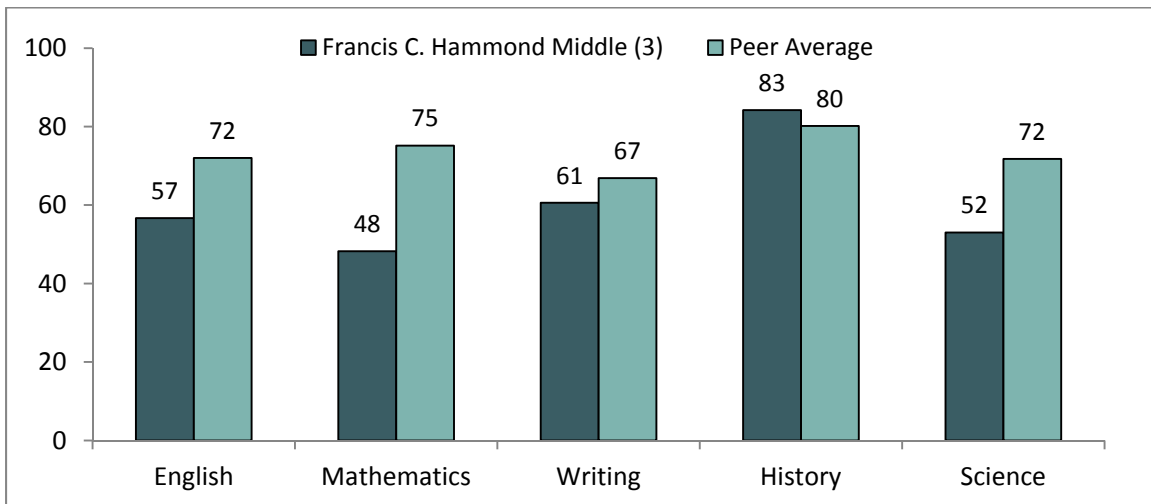


Figure 2.10: Comparing Francis C. Hammond Middle (3) to Peer Averages, 2012-13



2011-12 DATA

Figure 2.11: Francis C. Hammond Middle School (3) Peers, 2011-12

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
Francis C. Hammond Middle (3)	Alexandria City	-	Accredited with Warning	Improvement Plan Required	83	45	78	81	80
Holmes Middle	Fairfax County	0.64	Fully Accredited	Met all Federal AMOs	94	83	87	91	93
Mills E. Godwin Middle	Prince William County	0.69	Fully Accredited	Met all Federal AMOs	87	70	91	72	90
Rippon Middle	Prince William County	0.72	Fully Accredited	Met all Federal AMOs	86	69	86	73	84
Woodbridge Middle	Prince William County	0.79	Fully Accredited	Improvement Plan Required	91	81	92	88	95
Stuart M. Beville Middle	Prince William County	0.81	Fully Accredited	Improvement Plan Required	85	70	90	81	91
Peer Schools Average		0.73			89	75	89	81	91

Note: The table cell color indicates the level of similarity to ACPS school using the following Similarity Index ranges:

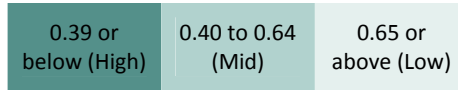
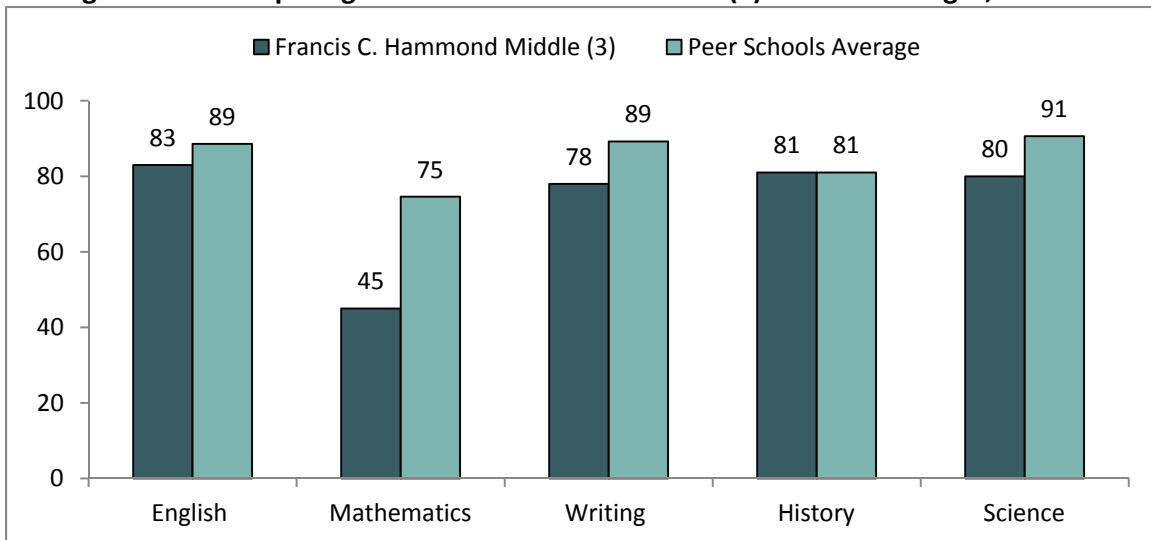


Figure 2.12: Comparing Francis C. Hammond Middle (3) to Peer Averages, 2011-12



GEORGE WASHINGTON MIDDLE SCHOOL (1)
2012-13 DATA

Figure 2.13: George Washington Middle School (1) Peer Averages, 2012-13

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
George Washington Middle (1)	Alexandria City	-	Fully Accredited	Met all Federal AMOs	69	75	71	76	69
Gunston Middle	Arlington County	0.31	Fully Accredited	Improvement Plan Required	72	78	81	84	83
Jefferson Middle	Arlington County	0.32	Fully Accredited	Improvement Plan Required	73	75	74	81	65
Herbert J. Saunders Middle	Prince William County	0.65	Fully Accredited	Met all Federal AMOs	76	74	71	84	80
Woodbridge Middle	Prince William County	0.68	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	75	85	64	81	77
Stuart M. Beville Middle	Prince William County	0.72	Fully Accredited	Improvement Plan Required	71	70	75	82	74
Peer Schools Average		0.54			73	76	73	82	76

Note: The table cell color indicates the level of similarity to ACPs school using the following Similarity Index ranges:

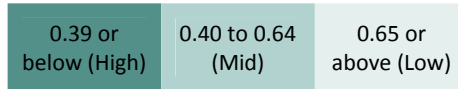
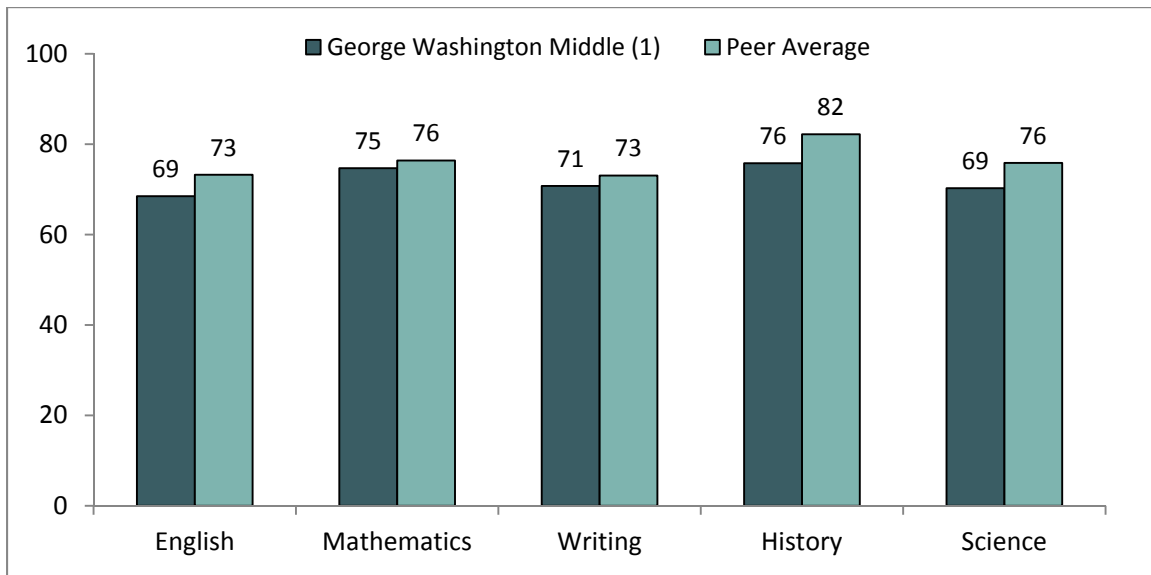


Figure 2.14: Comparing George Washington Middle School (1) to Peer Averages, 2012-13



2011-12 DATA

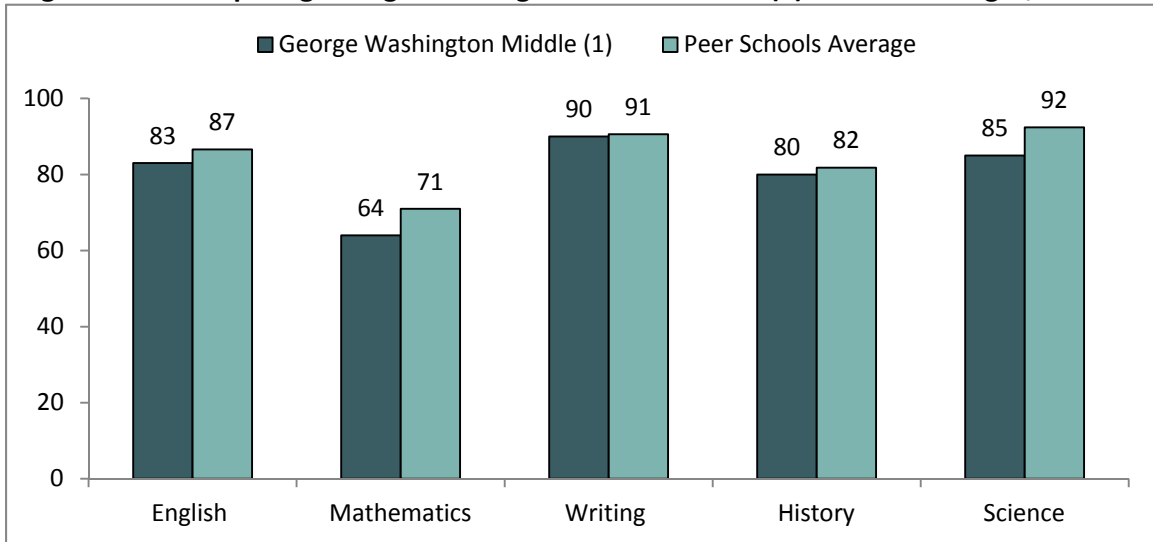
Figure 2.15: George Washington Middle School (1) Peer Averages, 2011-12

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
George Washington Middle (1)	Alexandria City		Fully Accredited	Improvement Plan Required	83	64	90	80	85
Gunston Middle	Arlington County	0.31	Fully Accredited	Improvement Plan Required	85	66	90	80	91
Jefferson Middle	Arlington County	0.32	Fully Accredited	Improvement Plan Required	84	70	89	79	91
Herbert J. Saunders Middle	Prince William County	0.65	Fully Accredited	Met All Federal AMOs	88	68	92	81	94
Woodbridge Middle	Prince William County	0.68	Fully Accredited	Improvement Plan Required	91	81	92	88	95
Stuart M. Beville Middle	Prince William County	0.72	Fully Accredited	Improvement Plan Required	85	70	90	81	91
Peer Schools Average		0.54			87	71	91	82	92

Note: The table cell color indicates the level of similarity to APCS school using the following Similarity Index ranges:

0.39 or below (High)	0.40 to 0.64 (Mid)	0.65 or above (Low)
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Figure 2.16: Comparing George Washington Middle School (1) to Peer Averages, 2012-13



GEORGE WASHINGTON MIDDLE SCHOOL (2)
2012-13 DATA

Figure 2.17: George Washington Middle School (2) Peer Averages, 2012-13

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
George Washington Middle (2)	Alexandria City	-	Accredited with Warning	Improvement Plan Required	63	59	73	77	67
Gunston Middle	Arlington County	0.41	Fully Accredited	Improvement Plan Required	72	78	81	84	83
Graham Park Middle	Prince William County	0.56	Fully Accredited	Improvement Plan Required	74	79	77	86	72
Shirley C. Heim Middle	Stafford County	0.57	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	74	73	65	81	75
Herbert J. Saunders Middle	Prince William County	0.65	Fully Accredited	Met all Federal AMOs	76	74	71	84	80
Woodbridge Middle	Prince William County	0.71	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	75	85	64	81	77
Peer Schools Average		0.58			74	78	72	83	77

Note: The table cell color indicates the level of similarity to ACPS school using the following Similarity Index ranges:

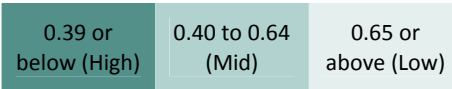
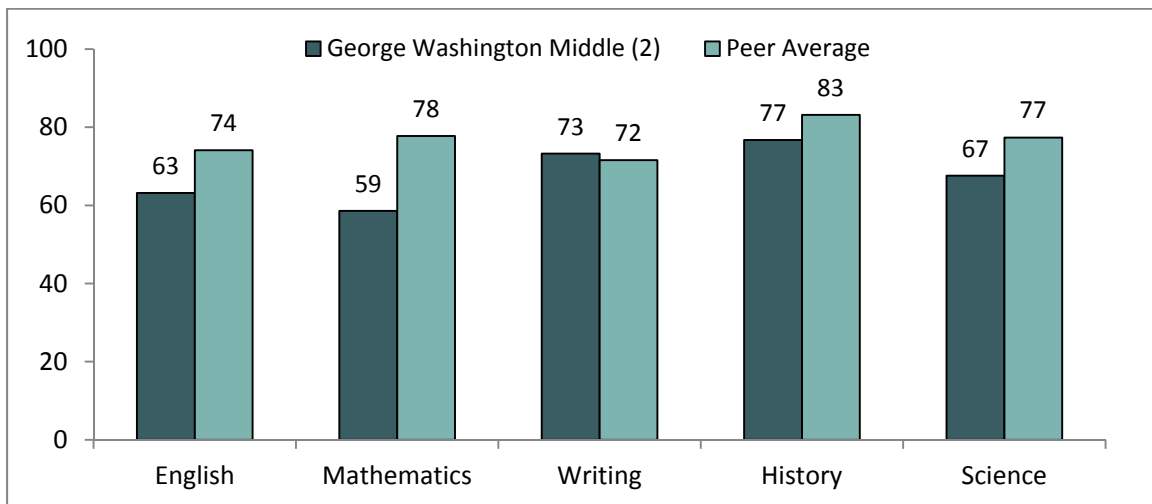


Figure 2.18: Comparing George Washington Middle School (2) to Peer Averages, 2012-13



2011-12 DATA

Figure 2.19: George Washington Middle School (2) Peer Averages, 2011-12

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
George Washington Middle (2)	Alexandria City		Accredited with Warning	Improvement Plan Required	79	52	84	73	79
Gunston Middle	Arlington County	0.41	Fully Accredited	Improvement Plan Required	85	66	90	80	91
Graham Park Middle	Prince William County	0.56	Fully Accredited	Met All Federal AMOs	89	75	88	88	92
Shirley C. Heim Middle	Stafford County	0.57	Fully Accredited	Met All Federal AMOs	91	76	92	76	97
Herbert J. Saunders Middle	Prince William County	0.65	Fully Accredited	Met All Federal AMOs	88	68	92	81	94
Woodbridge Middle	Prince William County	0.71	Fully Accredited	Improvement Plan Required	91	81	92	88	95
Peer Schools Average		0.58			89	73	91	83	94

Note: The table cell color indicates the level of similarity to ACPS school using the following Similarity Index ranges:

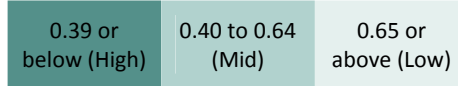
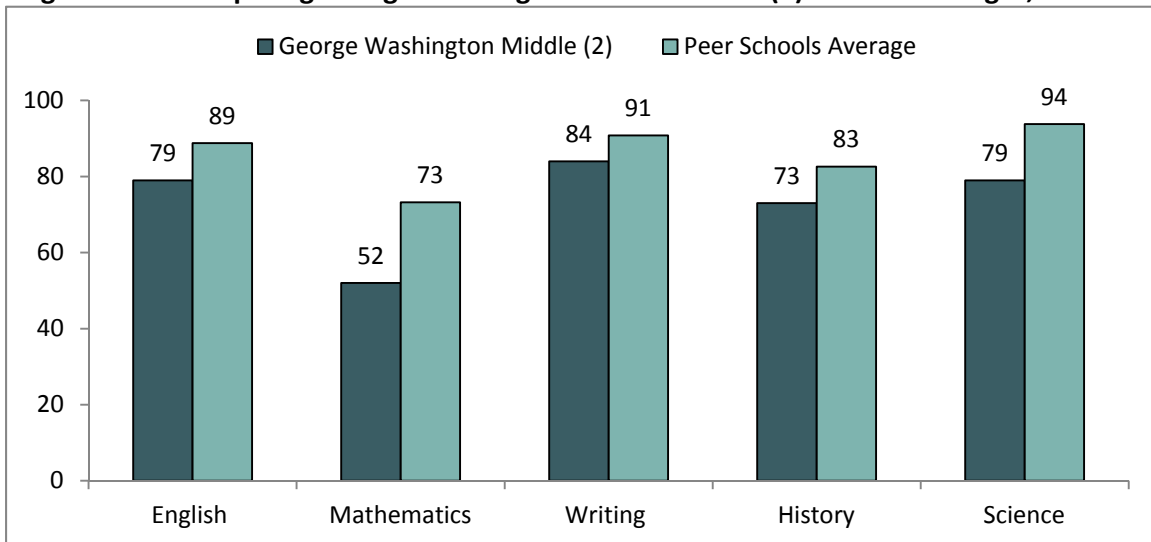


Figure 2.20: Comparing George Washington Middle School (2) to Peer Averages, 2011-12



SECTION III: HIGH SCHOOL

T.C. WILLIAMS HIGH SCHOOL 2012-13 DATA

Figure 3.1: T.C. Williams High School Peers, 2012-13

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
T.C. Williams High	Alexandria City	-	Fully Accredited	Improvement Plan Required	85	66	82	78	69
Annandale High	Fairfax County	0.42	Fully Accredited	Missed the "Meet Higher Expectations Requirement"	93	72	94	88	84
West Potomac High	Fairfax County	0.46	Fully Accredited	Met all Federal AMOs	88	68	89	82	74
Mount Vernon High	Fairfax County	0.50	Accredited with Warning	Improvement Plan Required	84	53	85	78	69
Woodbridge High	Prince William County	0.53	Fully Accredited	Met all Federal AMOs	90	68	89	89	81
Stonewall Jackson High	Prince William County	0.54	Accredited with Warning	Met all Federal AMOs	83	59	87	80	71
Peer Schools Average		0.49			88	64	89	83	76

Note: The table cell color indicates the level of similarity to APCS school using the following Similarity Index ranges:

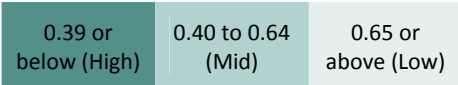
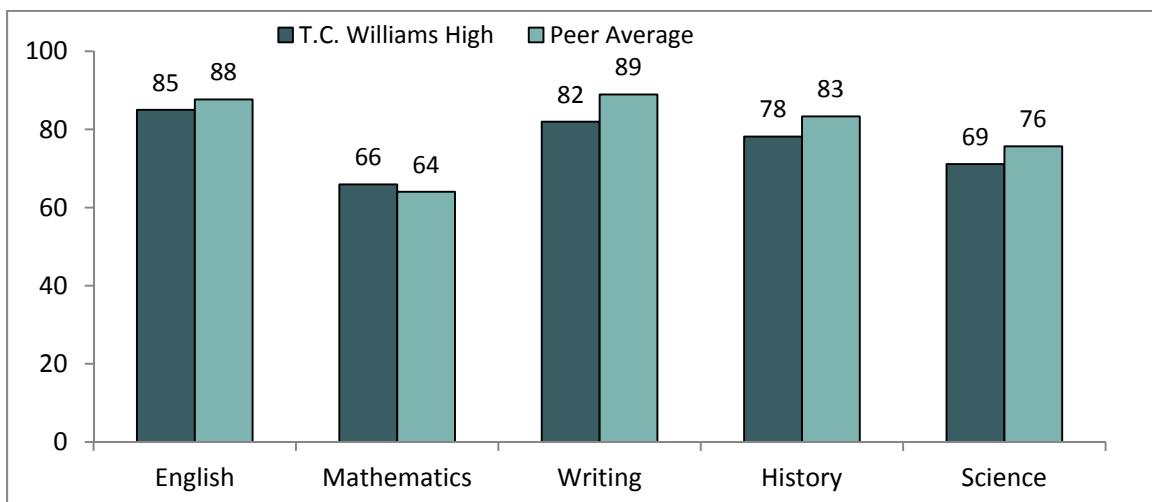


Figure 3.2: Comparing T.C. Williams High School to Peer Averages, 2012-13



2011-12 DATA

Figure 3.3: T.C. Williams High School Peers, 2011-12

SCHOOL NAME	SCHOOL DIVISION	SIMILARITY INDEX	STATE ACCREDITATION STATUS	FEDERAL ACCOUNTABILITY	ENGLISH	MATH	WRITING	HISTORY	SCIENCE
T.C. Williams High	Alexandria City		Fully Accredited	Title I Priority School	91	60	93	75	86
Annandale High	Fairfax County	0.42	Fully Accredited	Improvement Plan Required	96	75	97	91	93
West Potomac High	Fairfax County	0.46	Fully Accredited	Improvement Plan Required	92	60	94	85	83
Mount Vernon High	Fairfax County	0.50	Fully Accredited	Improvement Plan Required	92	52	93	81	82
Woodbridge High	Prince William County	0.53	Fully Accredited	Improvement Plan Required	93	62	94	86	93
Stonewall Jackson High	Prince William County	0.54	Fully Accredited	Improvement Plan Required	92	51	93	78	84
Peer Schools Average		0.49			93	60	94	84	87

Note: The table cell color indicates the level of similarity to ACPs school using the following Similarity Index ranges:

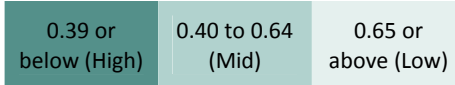
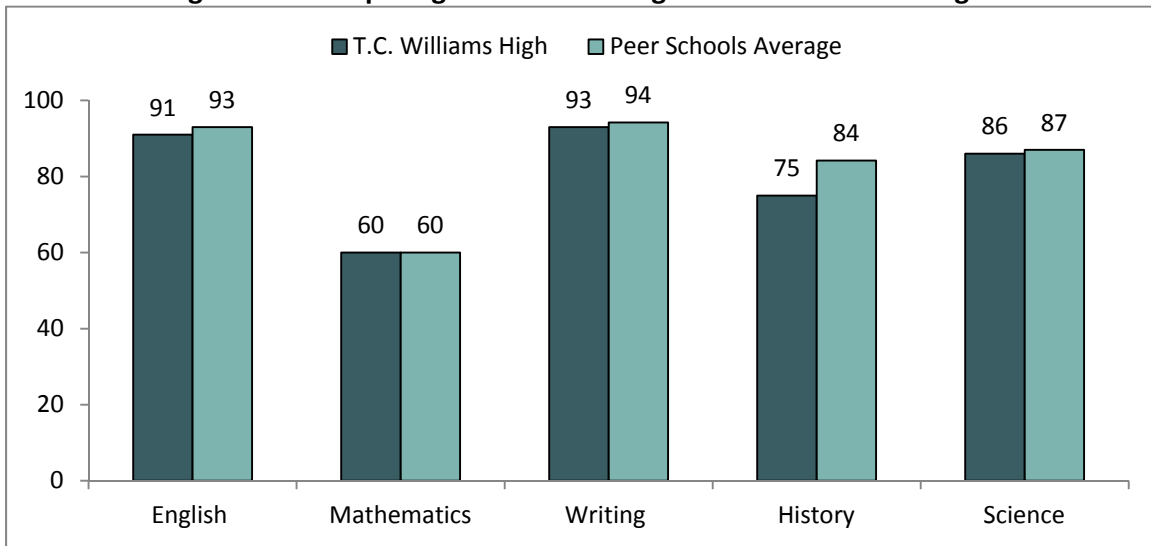


Figure 3.4: Comparing T.C. Williams High School to Peer Averages



APPENDIX A: PEER SCHOOL CHARACTERISTICS

Figure A.1: Peer School Characteristics (Percentage)⁶

Rank	School Name	% FRL Eligible	% LEP	% SPED	% White	% Black	% Hispanic	Low Grade Level	High Grade Level	Normalized Total Enrollment	Normalized per Pupil Expenditure (FY12)	School Division	Similarity Index
	Charles Barrett Elementary	31%	20%	16%	53%	17%	25%	PK	5	59%	100%	Alexandria City	
1	Catoctin Elementary	23%	15%	13%	64%	8%	19%	PK	5	77%	67%	Loudoun County	0.42
2	Frederick Douglass Elementary	35%	23%	16%	40%	12%	27%	PK	5	94%	67%	Loudoun County	0.51
3	Ball's Bluff Elementary	24%	14%	14%	50%	10%	23%	PK	5	95%	67%	Loudoun County	0.51
4	Countryside Elementary	26%	21%	13%	49%	9%	25%	PK	5	100%	67%	Loudoun County	0.54
5	Antietam Elementary	34%	18%	14%	43%	20%	21%	PK	5	97%	56%	Prince William County	0.6
	Cora Kelly Magnet Elementary	82%	53%	12%	8%	32%	57%	PK	5	37%	100%	Alexandria City	
1	E.S.H. Greene Elementary	90%	56%	11%	2%	40%	57%	PK	5	55%	74%	Richmond City	0.34
2	Kerrydale Elementary	72%	46%	11%	16%	19%	56%	PK	5	45%	56%	Prince William County	0.49
3	Neabsco Elementary	76%	48%	15%	13%	18%	56%	PK	5	56%	56%	Prince William County	0.51
4	Bel Air Elementary	78%	43%	13%	13%	25%	51%	PK	5	62%	56%	Prince William County	0.53
5	Suella G. Ellis Elementary	72%	51%	12%	12%	16%	60%	PK	5	64%	56%	Prince William County	0.55

⁶ Two values were “normalized” in our analysis in order to avoid inadvertent weighting – total school enrollment and per pupil expenditure. The normalized value shows where a school falls relative to those in its peer group. See methodology section for additional details.

Rank	School Name	% FRL Eligible	% LEP	% SPED	% White	% Black	% Hispanic	Low Grade Level	High Grade Level	Normalized Total Enrollment	Normalized per Pupil Expenditure (FY12)	School Division	Similarity Index
	Douglas Macarthur Elementary	29%	15%	12%	54%	20%	18%	PK	5	88%	100%	Alexandria City	
1	Pinchbeck Elementary	29%	14%	10%	62%	12%	13%	PK	5	67%	49%	Henrico County	0.27
2	Antietam Elementary	34%	18%	14%	43%	20%	21%	PK	5	84%	56%	Prince William County	0.46
3	Springwoods Elementary	22%	15%	9%	47%	21%	16%	PK	5	86%	56%	Prince William County	0.46
4	Cedar Forest Elementary	34%	10%	11%	58%	19%	18%	PK	5	91%	50%	Spotsylvania County	0.51
5	Rocky Run Elementary	33%	9%	9%	45%	30%	14%	PK	5	100%	53%	Stafford County	0.52
	Francis C. Hammond Middle (1)	71%	28%	15%	11%	41%	35%	6	8	36%	99%	Alexandria City	
1	Jefferson Middle	54%	31%	21%	32%	18%	33%	6	8	69%	100%	Arlington County	0.49
2	Holmes Middle	52%	37%	18%	22%	21%	36%	6	8	71%	71%	Fairfax County	0.64
3	Mills E. Godwin Middle	67%	30%	11%	13%	31%	44%	6	8	86%	55%	Prince William County	0.68
4	Rippon Middle	57%	26%	11%	12%	38%	35%	6	8	91%	55%	Prince William County	0.71
5	Woodbridge Middle	52%	22%	12%	23%	26%	34%	6	8	95%	55%	Prince William County	0.78
	Francis C. Hammond Middle (2)	73%	32%	10%	9%	45%	35%	6	8	37%	100%	Alexandria City	
1	Elkhardt Middle	84%	17%	15%	2%	71%	25%	6	8	39%	74%	Richmond City	0.43
2	Mills E. Godwin Middle	67%	30%	11%	13%	31%	44%	6	8	87%	56%	Prince William County	0.7

Rank	School Name	% FRL Eligible	% LEP	% SPED	% White	% Black	% Hispanic	Low Grade Level	High Grade Level	Normalized Total Enrollment	Normalized per Pupil Expenditure (FY12)	School Division	Similarity Index
3	Rippon Middle	57%	26%	11%	12%	38%	35%	6	8	92%	56%	Prince William County	0.73
4	Woodbridge Middle	52%	22%	12%	23%	26%	34%	6	8	95%	56%	Prince William County	0.81
5	Stuart M. Beville Middle	52%	24%	14%	18%	28%	37%	6	8	100%	56%	Prince William County	0.83
	Francis C. Hammond Middle (3)	70%	32%	12%	13%	40%	36%	6	8	36%	100%	Alexandria City	
1	Holmes Middle	52%	37%	18%	22%	21%	36%	6	8	71%	72%	Fairfax County	0.64
2	Mills E. Godwin Middle	67%	30%	11%	13%	31%	44%	6	8	87%	56%	Prince William County	0.69
3	Rippon Middle	57%	26%	11%	12%	38%	35%	6	8	92%	56%	Prince William County	0.72
4	Woodbridge Middle	52%	22%	12%	23%	26%	34%	6	8	95%	56%	Prince William County	0.79
5	Stuart M. Beville Middle	52%	24%	14%	18%	28%	37%	6	8	100%	56%	Prince William County	0.81
	George Mason Elementary	33%	28%	11%	61%	6%	30%	KG	5	59%	100%	Alexandria City	
1	Leesburg Elementary	28%	19%	9%	59%	7%	24%	KG	5	71%	67%	Loudoun County	0.37
2	Evergreen Mill Elementary	30%	21%	12%	57%	6%	28%	PK	5	80%	67%	Loudoun County	0.4
3	Paul H. Cale Elementary	44%	28%	8%	50%	8%	31%	PK	5	76%	66%	Albemarle County	0.4
4	Countryside Elementary	26%	21%	13%	49%	9%	25%	PK	5	82%	67%	Loudoun County	0.43
5	Coles Elementary	35%	29%	13%	52%	6%	33%	PK	5	60%	56%	Prince William County	0.45

Rank	School Name	% FRL Eligible	% LEP	% SPED	% White	% Black	% Hispanic	Low Grade Level	High Grade Level	Normalized Total Enrollment	Normalized per Pupil Expenditure (FY12)	School Division	Similarity Index
	George Washington Middle (1)	46%	18%	16%	39%	28%	28%	6	8	42%	99%	Alexandria City	
1	Gunston Middle	37%	29%	15%	31%	14%	38%	6	8	62%	100%	Arlington County	0.31
2	Jefferson Middle	54%	31%	21%	32%	18%	33%	6	8	66%	100%	Arlington County	0.32
3	Herbert J. Saunders Middle	29%	11%	13%	32%	27%	25%	6	8	86%	55%	Prince William County	0.65
4	Woodbridge Middle	52%	22%	12%	23%	26%	34%	6	8	91%	55%	Prince William County	0.68
5	Stuart M. Beville Middle	52%	24%	14%	18%	28%	37%	6	8	95%	55%	Prince William County	0.72
	George Washington Middle (2)	44%	16%	14%	39%	28%	29%	6	8	42%	99%	Alexandria City	
1	Gunston Middle	37%	29%	15%	31%	14%	38%	6	8	62%	100%	Arlington County	0.41
2	Graham Park Middle	47%	13%	10%	27%	36%	22%	6	8	71%	55%	Prince William County	0.56
3	Shirley C. Heim Middle	36%	13%	9%	44%	23%	24%	6	8	68%	52%	Stafford County	0.57
4	Herbert J. Saunders Middle	29%	11%	13%	32%	27%	25%	6	8	86%	55%	Prince William County	0.65
5	Woodbridge Middle	52%	22%	12%	23%	26%	34%	6	8	91%	55%	Prince William County	0.71
	James K. Polk Elementary	63%	40%	10%	21%	39%	29%	KG	5	79%	99%	Alexandria City	
1	Drew Model Elementary	56%	42%	11%	22%	34%	34%	PK	5	73%	100%	Arlington County	0.12
2	River Oaks Elementary	69%	32%	11%	9%	51%	29%	PK	5	76%	55%	Prince William County	0.48

Rank	School Name	% FRL Eligible	% LEP	% SPED	% White	% Black	% Hispanic	Low Grade Level	High Grade Level	Normalized Total Enrollment	Normalized per Pupil Expenditure (FY12)	School Division	Similarity Index
3	Triangle Elementary	64%	30%	13%	18%	39%	37%	PK	5	94%	55%	Prince William County	0.48
4	Dumfries Elementary	74%	33%	14%	13%	36%	37%	PK	5	71%	55%	Prince William County	0.48
5	Enterprise Elementary	54%	35%	13%	20%	27%	38%	KG	5	63%	55%	Prince William County	0.49
	Jefferson-Houston Elementary	70%	13%	27%	15%	67%	16%	PK	8	70%	100%	Alexandria City	
1	George J. McIntosh Elementary	80%	8%	22%	15%	60%	17%	PK	5	88%	59%	Newport News City	0.57
2	John B. Cary Elementary	51%	8%	22%	21%	69%	7%	PK	5	40%	74%	Richmond City	0.57
3	Miles Jones Elementary	94%	15%	21%	3%	69%	26%	PK	5	100%	74%	Richmond City	0.6
4	Longdale Elementary	61%	8%	19%	23%	53%	12%	PK	5	99%	49%	Henrico County	0.63
5	G.A. Treakle Elementary	67%	5%	20%	42%	39%	10%	PK	5	96%	58%	Chesapeake City	0.66
	John Adams Elementary	65%	42%	17%	20%	34%	33%	PK	5	100%	99%	Alexandria City	
1	Drew Model Elementary	56%	42%	11%	22%	34%	34%	PK	5	74%	100%	Arlington County	0.28
2	Abingdon Elementary	51%	49%	18%	27%	14%	43%	PK	5	66%	100%	Arlington County	0.45
3	Triangle Elementary	64%	30%	13%	18%	39%	37%	PK	5	96%	55%	Prince William County	0.46
4	Dumfries Elementary	74%	33%	14%	13%	36%	37%	PK	5	72%	55%	Prince William County	0.54
5	River Oaks Elementary	69%	32%	11%	9%	51%	29%	PK	5	77%	55%	Prince William County	0.54
	Lyles-Crouch Elementary	24%	12%	8%	56%	29%	8%	KG	5	50%	100%	Alexandria City	

Rank	School Name	% FRL Eligible	% LEP	% SPED	% White	% Black	% Hispanic	Low Grade Level	High Grade Level	Normalized Total Enrollment	Normalized per Pupil Expenditure (FY12)	School Division	Similarity Index
1	Hartwood Elementary	35%	5%	7%	61%	20%	11%	PK	5	66%	53%	Stafford County	0.53
2	Westridge Elementary	19%	12%	7%	46%	20%	12%	KG	5	83%	56%	Prince William County	0.57
3	Larchmont Elementary	23%	5%	7%	63%	20%	3%	PK	5	68%	56%	Norfolk City	0.57
4	Greenwood Elementary	34%	7%	11%	42%	38%	6%	PK	5	67%	49%	Henrico County	0.57
5	Park Ridge Elementary	20%	5%	9%	59%	16%	15%	PK	5	78%	53%	Stafford County	0.58
	Maury Elementary	32%	3%	14%	59%	26%	9%	KG	5	50%	100%	Alexandria City	
1	D.J. Montague Elementary	36%	3%	12%	64%	17%	7%	KG	5	49%	60%	Williamsburg-James City County	0.39
2	Magruder Elementary	38%	4%	14%	53%	21%	14%	PK	5	75%	52%	York County	0.46
3	Norge Elementary	40%	6%	17%	57%	17%	13%	PK	5	76%	60%	Williamsburg-James City County	0.48
4	Fairfield Elementary	29%	3%	12%	54%	20%	7%	PK	5	57%	59%	Virginia Beach City	0.54
5	Indian Lakes Elementary	32%	2%	13%	53%	23%	9%	PK	5	65%	59%	Virginia Beach City	0.56
	Mount Vernon Elementary	59%	50%	11%	33%	8%	57%	KG	5	98%	100%	Alexandria City	
1	Rolling Ridge Elementary	61%	45%	13%	18%	8%	56%	PK	5	74%	67%	Loudoun County	0.44
2	Belvedere Elementary	54%	53%	14%	25%	11%	52%	PK	5	82%	72%	Fairfax County	0.49
3	C.A. Sinclair Elementary	72%	48%	12%	15%	20%	52%	PK	5	100%	56%	Prince William County	0.51

Rank	School Name	% FRL Eligible	% LEP	% SPED	% White	% Black	% Hispanic	Low Grade Level	High Grade Level	Normalized Total Enrollment	Normalized per Pupil Expenditure (FY12)	School Division	Similarity Index
4	Belmont Elementary	65%	48%	8%	18%	16%	54%	PK	5	58%	56%	Prince William County	0.62
5	Kerrydale Elementary	72%	46%	11%	16%	19%	56%	PK	5	56%	56%	Prince William County	0.65
	Patrick Henry Elementary	75%	39%	10%	10%	45%	35%	PK	5	70%	100%	Alexandria City	
1	Dumfries Elementary	74%	33%	14%	13%	36%	37%	PK	5	71%	56%	Prince William County	0.47
2	River Oaks Elementary	69%	32%	11%	9%	51%	29%	PK	5	76%	56%	Prince William County	0.47
3	Minnieville Elementary	68%	47%	9%	15%	27%	45%	PK	5	69%	56%	Prince William County	0.5
4	Metompkin Elementary	87%	38%	9%	28%	33%	37%	PK	5	71%	53%	Accomack County	0.53
5	Triangle Elementary	64%	30%	13%	18%	39%	37%	PK	5	94%	56%	Prince William County	0.54
	Samuel W. Tucker Elementary	59%	39%	8%	23%	41%	28%	KG	5	86%	99%	Alexandria City	
1	Drew Model Elementary	56%	42%	11%	22%	34%	34%	PK	5	73%	100%	Arlington County	0.17
2	Fannie W. Fitzgerald Elementary	61%	35%	10%	9%	47%	30%	PK	5	100%	55%	Prince William County	0.48
3	River Oaks Elementary	69%	32%	11%	9%	51%	29%	PK	5	76%	55%	Prince William County	0.5
4	Martin Luther King Jr. Elementary	50%	34%	10%	20%	28%	34%	KG	5	62%	55%	Prince William County	0.53
5	Dumbarton Elementary	68%	30%	10%	20%	43%	28%	PK	5	72%	48%	Henrico County	0.54
	T.C. Williams High	44%	24%	13%	22%	38%	33%	9	12	100%	100%	Alexandria City	
1	Annandale High	44%	34%	16%	23%	18%	34%	9	12	78%	72%	Fairfax County	0.42

Rank	School Name	% FRL Eligible	% LEP	% SPED	% White	% Black	% Hispanic	Low Grade Level	High Grade Level	Normalized Total Enrollment	Normalized per Pupil Expenditure (FY12)	School Division	Similarity Index
2	West Potomac High	37%	23%	16%	40%	20%	29%	9	12	74%	72%	Fairfax County	0.46
3	Mount Vernon High	53%	23%	18%	23%	30%	36%	9	12	61%	72%	Fairfax County	0.5
4	Woodbridge High	34%	13%	8%	36%	20%	29%	9	12	91%	56%	Prince William County	0.53
5	Stonewall Jackson High	47%	24%	12%	24%	19%	45%	9	12	78%	56%	Prince William County	0.54
	William Ramsay Elementary	83%	62%	8%	11%	28%	52%	PK	5	83%	100%	Alexandria City	
1	Parklawn Elementary	66%	69%	11%	14%	28%	42%	PK	5	75%	72%	Fairfax County	0.36
2	Annandale Terrace Elementary	71%	75%	9%	10%	17%	50%	PK	5	72%	72%	Fairfax County	0.36
3	E.S.H. Greene Elementary	90%	56%	11%	2%	40%	57%	PK	5	55%	74%	Richmond City	0.42
4	Elizabeth Vaughan Elementary	72%	51%	4%	7%	32%	51%	PK	5	82%	56%	Prince William County	0.47
5	George P. Mullen Elementary	70%	54%	10%	13%	21%	58%	PK	5	100%	56%	Prince William County	0.5

Figure A.2: Peer School Characteristics (Absolute Numbers)

Rank	School Name	No. FRL	No. LEP	No. SPED	No. White	No. Black	No. Hispanic	Low Grade Level	High Grade Level	Total Enrollment	FY 2012 Per Pupil Expenditure	School Division	Similarly Index
	Charles Barrett Elementary	126	82	65	213	70	99	PK	5	403	\$18,493	Alexandria City	
1	Catoctin Elementary	122	77	71	336	41	100	PK	5	529	\$12,429	Loudoun County	0.42
2	Frederick Douglass Elementary	229	146	101	257	75	174	PK	5	646	\$12,429	Loudoun County	0.51
3	Ball's Bluff Elementary	158	94	90	330	67	148	PK	5	655	\$12,429	Loudoun County	0.51
4	Countryside Elementary	178	144	92	336	62	169	PK	5	686	\$12,429	Loudoun County	0.54
5	Antietam Elementary	228	119	91	288	132	137	PK	5	667	\$10,380	Prince William County	0.6
	Cora Kelly Magnet Elementary	299	192	45	30	118	207	PK	5	366	\$18,493	Alexandria City	
1	E.S.H. Greene Elementary	488	303	61	13	216	313	PK	5	545	\$13,730	Richmond City	0.34
2	Kerrydale Elementary	322	203	47	73	83	248	PK	5	445	\$10,380	Prince William County	0.49
3	Neabsco Elementary	421	265	84	70	102	310	PK	5	555	\$10,380	Prince William County	0.51
4	Bel Air Elementary	481	264	83	81	152	315	PK	5	620	\$10,380	Prince William County	0.53
5	Suella G. Ellis Elementary	462	328	74	77	105	387	PK	5	642	\$10,380	Prince William County	0.55
	Douglas Macarthur Elementary	200	106	81	373	142	122	PK	5	695	\$18,493	Alexandria City	
1	Pinchbeck Elementary	153	75	52	329	62	71	PK	5	535	\$9,041	Henrico County	0.27

Rank	School Name	No. FRL	No. LEP	No. SPED	No. White	No. Black	No. Hispanic	Low Grade Level	High Grade Level	Total Enrollment	FY 2012 Per Pupil Expenditure	School Division	Similarly Index
2	Antietam Elementary	228	119	91	288	132	137	PK	5	667	\$10,380	Prince William County	0.46
3	Springwoods Elementary	149	103	64	318	144	112	PK	5	681	\$10,380	Prince William County	0.46
4	Cedar Forest Elementary	244	70	81	418	137	127	PK	5	722	\$9,327	Spotsylvania County	0.51
5	Rocky Run Elementary	260	74	69	357	238	111	PK	5	793	\$9,751	Stafford County	0.52
	Francis C. Hammond Middle (1)	307	122	63	46	178	154	6	8	435	\$18,493	Alexandria City	
1	Jefferson Middle	450	258	173	269	150	274	6	8	833	\$18,762	Arlington County	0.49
2	Holmes Middle	445	311	157	183	176	302	6	8	851	\$13,391	Fairfax County	0.64
3	Mills E. Godwin Middle	699	309	115	130	318	458	6	8	1038	\$10,380	Prince William County	0.68
4	Rippon Middle	626	288	120	132	419	377	6	8	1090	\$10,380	Prince William County	0.71
5	Woodbridge Middle	587	254	132	265	292	388	6	8	1136	\$10,380	Prince William County	0.78
	Francis C. Hammond Middle (2)	319	141	44	40	199	154	6	8	440	\$18,493	Alexandria City	
1	Elkhardt Middle	389	79	67	11	326	114	6	8	461	\$13,730	Richmond City	0.43
2	Mills E. Godwin Middle	699	309	115	130	318	458	6	8	1038	\$10,380	Prince William County	0.7
3	Rippon Middle	626	288	120	132	419	377	6	8	1090	\$10,380	Prince William County	0.73
4	Woodbridge Middle	587	254	132	265	292	388	6	8	1136	\$10,380	Prince William County	0.81
5	Stuart M. Beville Middle	623	285	165	219	338	436	6	8	1191	\$10,380	Prince William County	0.83

Rank	School Name	No. FRL	No. LEP	No. SPED	No. White	No. Black	No. Hispanic	Low Grade Level	High Grade Level	Total Enrollment	FY 2012 Per Pupil Expenditure	School Division	Similarly Index
	Francis C. Hammond Middle (3)	303	137	50	57	173	156	6	8	434	\$18,493	Alexandria City	
1	Holmes Middle	445	311	157	183	176	302	6	8	851	\$13,391	Fairfax County	0.64
2	Mills E. Godwin Middle	699	309	115	130	318	458	6	8	1038	\$10,380	Prince William County	0.69
3	Rippon Middle	626	288	120	132	419	377	6	8	1090	\$10,380	Prince William County	0.72
4	Woodbridge Middle	587	254	132	265	292	388	6	8	1136	\$10,380	Prince William County	0.79
5	Stuart M. Beville Middle	623	285	165	219	338	436	6	8	1191	\$10,380	Prince William County	0.81
	George Mason Elementary	163	136	52	300	27	147	KG	5	495	\$18,493	Alexandria City	
1	Leesburg Elementary	166	114	55	352	42	141	KG	5	594	\$12,429	Loudoun County	0.37
2	Evergreen Mill Elementary	203	143	82	378	38	186	PK	5	667	\$12,429	Loudoun County	0.4
3	Paul H. Cale Elementary	274	174	52	317	49	192	PK	5	630	\$12,251	Albemarle County	0.4
4	Countryside Elementary	178	144	92	336	62	169	PK	5	686	\$12,429	Loudoun County	0.43
5	Coles Elementary	173	145	65	261	29	165	PK	5	501	\$10,380	Prince William County	0.45
	George Washington Middle (1)	241	93	86	204	148	148	6	8	527	\$18,493	Alexandria City	
1	Gunston Middle	291	228	120	245	111	299	6	8	781	\$18,762	Arlington County	0.31
2	Jefferson Middle	450	258	173	269	150	274	6	8	833	\$18,762	Arlington County	0.32

Rank	School Name	No. FRL	No. LEP	No. SPED	No. White	No. Black	No. Hispanic	Low Grade Level	High Grade Level	Total Enrollment	FY 2012 Per Pupil Expenditure	School Division	Similarly Index
3	Herbert J. Saunders Middle	311	114	142	341	289	265	6	8	1074	\$10,380	Prince William County	0.65
4	Woodbridge Middle	587	254	132	265	292	388	6	8	1136	\$10,380	Prince William County	0.68
5	Stuart M. Beville Middle	623	285	165	219	338	436	6	8	1191	\$10,380	Prince William County	0.72
	George Washington Middle (2)	231	86	71	204	145	150	6	8	525	\$18,493	Alexandria City	
1	Gunston Middle	291	228	120	245	111	299	6	8	781	\$18,762	Arlington County	0.41
2	Graham Park Middle	419	114	88	239	319	199	6	8	896	\$10,380	Prince William County	0.56
3	Shirley C. Heim Middle	307	114	77	377	197	202	6	8	855	\$9,751	Stafford County	0.57
4	Herbert J. Saunders Middle	311	114	142	341	289	265	6	8	1074	\$10,380	Prince William County	0.65
5	Woodbridge Middle	587	254	132	265	292	388	6	8	1136	\$10,380	Prince William County	0.71
	James K. Polk Elementary	414	263	68	140	261	192	KG	5	662	\$18,493	Alexandria City	
1	Drew Model Elementary	342	258	66	135	206	207	PK	5	612	\$18,762	Arlington County	0.12
2	River Oaks Elementary	439	201	72	56	322	186	PK	5	635	\$10,380	Prince William County	0.48
3	Triangle Elementary	503	236	100	140	308	288	PK	5	790	\$10,380	Prince William County	0.48
4	Dumfries Elementary	439	193	82	79	211	222	PK	5	594	\$10,380	Prince William County	0.48
5	Enterprise Elementary	287	186	69	107	143	200	KG	5	530	\$10,380	Prince William County	0.49
	Jefferson-Houston Elementary	264	50	102	55	251	61	PK	8	377	\$18,493	Alexandria City	

Rank	School Name	No. FRL	No. LEP	No. SPED	No. White	No. Black	No. Hispanic	Low Grade Level	High Grade Level	Total Enrollment	FY 2012 Per Pupil Expenditure	School Division	Similarly Index
1	George J. McIntosh Elementary	381	37	103	71	286	82	PK	5	475	\$10,842	Newport News City	0.57
2	John B. Cary Elementary	108	16	47	45	148	14	PK	5	214	\$13,730	Richmond City	0.57
3	Miles Jones Elementary	506	79	113	18	372	141	PK	5	539	\$13,730	Richmond City	0.6
4	Longdale Elementary	324	44	100	125	285	63	PK	5	535	\$9,041	Henrico County	0.63
5	G.A. Treakle Elementary	350	25	106	220	205	53	PK	5	520	\$10,680	Chesapeake City	0.66
	John Adams Elementary	532	345	142	164	281	270	PK	5	824	\$18,493	Alexandria City	
1	Drew Model Elementary	342	258	66	135	206	207	PK	5	612	\$18,762	Arlington County	0.28
2	Abingdon Elementary	274	262	95	147	73	234	PK	5	540	\$18,762	Arlington County	0.45
3	Triangle Elementary	503	236	100	140	308	288	PK	5	790	\$10,380	Prince William County	0.46
4	Dumfries Elementary	439	193	82	79	211	222	PK	5	594	\$10,380	Prince William County	0.54
5	River Oaks Elementary	439	201	72	56	322	186	PK	5	635	\$10,380	Prince William County	0.54
	Lyles-Crouch Elementary	104	53	34	238	123	32	KG	5	427	\$18,493	Alexandria City	
1	Hartwood Elementary	198	26	38	346	111	60	PK	5	567	\$9,751	Stafford County	0.53
2	Westridge Elementary	137	84	52	326	143	84	KG	5	708	\$10,380	Prince William County	0.57
3	Larchmont Elementary	134	27	43	365	117	16	PK	5	581	\$10,419	Norfolk City	0.57
4	Greenwood Elementary	191	38	60	237	217	35	PK	5	571	\$9,041	Henrico County	0.57

Rank	School Name	No. FRL	No. LEP	No. SPED	No. White	No. Black	No. Hispanic	Low Grade Level	High Grade Level	Total Enrollment	FY 2012 Per Pupil Expenditure	School Division	Similarly Index
5	Park Ridge Elementary	135	31	60	389	103	101	PK	5	665	\$9,751	Stafford County	0.58
	Maury Elementary	135	13	59	251	110	40	KG	5	424	\$18,493	Alexandria City	
1	D.J. Montague Elementary	151	13	52	269	70	31	KG	5	423	\$11,123	Williamsburg-James City County	0.39
2	Magruder Elementary	243	24	91	339	131	90	PK	5	639	\$9,637	York County	0.46
3	Norge Elementary	261	37	108	372	111	86	PK	5	653	\$11,123	Williamsburg-James City County	0.48
4	Fairfield Elementary	139	16	58	264	96	32	PK	5	485	\$10,876	Virginia Beach City	0.54
5	Indian Lakes Elementary	177	13	74	294	129	52	PK	5	558	\$10,876	Virginia Beach City	0.56
	Mount Vernon Elementary	457	388	84	257	59	443	KG	5	775	\$18,493	Alexandria City	
1	Rolling Ridge Elementary	361	266	77	103	46	333	PK	5	590	\$12,429	Loudoun County	0.44
2	Belvedere Elementary	348	342	91	160	73	335	PK	5	651	\$13,391	Fairfax County	0.49
3	C.A. Sinclair Elementary	573	380	92	116	157	412	PK	5	792	\$10,380	Prince William County	0.51
4	Belmont Elementary	298	219	36	85	72	251	PK	5	461	\$10,380	Prince William County	0.62
5	Kerrydale Elementary	322	203	47	73	83	248	PK	5	445	\$10,380	Prince William County	0.65
	Patrick Henry Elementary	440	229	59	57	265	206	PK	5	586	\$18,493	Alexandria City	
1	Dumfries Elementary	439	193	82	79	211	222	PK	5	594	\$10,380	Prince William County	0.47

Rank	School Name	No. FRL	No. LEP	No. SPED	No. White	No. Black	No. Hispanic	Low Grade Level	High Grade Level	Total Enrollment	FY 2012 Per Pupil Expenditure	School Division	Similarly Index
2	River Oaks Elementary	439	201	72	56	322	186	PK	5	635	\$10,380	Prince William County	0.47
3	Minnieville Elementary	394	272	54	87	157	260	PK	5	579	\$10,380	Prince William County	0.5
4	Metompkin Elementary	519	227	56	166	196	219	PK	5	595	\$9,775	Accomack County	0.53
5	Triangle Elementary	503	236	100	140	308	288	PK	5	790	\$10,380	Prince William County	0.54
	Samuel W. Tucker Elementary	423	284	57	168	296	198	KG	5	720	\$18,493	Alexandria City	
1	Drew Model Elementary	342	258	66	135	206	207	PK	5	612	\$18,762	Arlington County	0.17
2	Fannie W. Fitzgerald Elementary	512	293	83	74	390	250	PK	5	837	\$10,380	Prince William County	0.48
3	River Oaks Elementary	439	201	72	56	322	186	PK	5	635	\$10,380	Prince William County	0.5
4	Martin Luther King Jr. Elementary	257	173	51	102	146	177	KG	5	516	\$10,380	Prince William County	0.53
5	Dumbarton Elementary	411	180	58	122	260	167	PK	5	605	\$9,041	Henrico County	0.54
	T.C. Williams High	1374	759	401	687	1192	1033	9	12	3161	\$18,493	Alexandria City	
1	Annandale High	1080	833	388	555	436	839	9	12	2460	\$13,391	Fairfax County	0.42
2	West Potomac High	860	536	378	931	476	684	9	12	2351	\$13,391	Fairfax County	0.46
3	Mount Vernon High	1020	445	354	436	571	693	9	12	1935	\$13,391	Fairfax County	0.5
4	Woodbridge High	958	361	237	1015	585	830	9	12	2862	\$10,380	Prince William County	0.53
5	Stonewall Jackson High	1155	599	303	604	457	1115	9	12	2474	\$10,380	Prince William County	0.54

Rank	School Name	No. FRL	No. LEP	No. SPED	No. White	No. Black	No. Hispanic	Low Grade Level	High Grade Level	Total Enrollment	FY 2012 Per Pupil Expenditure	School Division	Similarly Index
	William Ramsay Elementary	687	513	65	88	234	433	PK	5	829	\$18,493	Alexandria City	
1	Parklawn Elementary	498	517	80	106	207	316	PK	5	754	\$13,391	Fairfax County	0.36
2	Annandale Terrace Elementary	514	542	64	71	123	361	PK	5	724	\$13,391	Fairfax County	0.36
3	E.S.H. Greene Elementary	488	303	61	13	216	313	PK	5	545	\$13,730	Richmond City	0.42
4	Elizabeth Vaughan Elementary	584	412	36	60	261	415	PK	5	815	\$10,380	Prince William County	0.47
5	George P. Mullen Elementary	703	541	100	131	211	576	PK	5	1000	\$10,380	Prince William County	0.5

APPENDIX B: PEER SELECTION STANDARD DEVIATIONS

TARGET SCHOOLS	STANDARD DEVIATION FOR NON-ETHNICITY VARIABLES	STANDARD DEVIATION FOR ETHNICITY VARIABLES
Charles Barrett Elementary	0.4	0.6
Cora Kelly Magnet Elementary	0.6	0.8
Douglas Macarthur Elementary	0.4	0.4
Francis C. Hammond 1 Middle	1	1
Francis Hammond 2 Middle	1	1.2
Francis Hammond 3 Middle	1	1
George Mason Elementary	0.6	0.8
George Washington 1 Middle	0.8	0.8
George Washington 2 Middle	0.8	0.8
James K. Polk Elementary	0.6	0.8
Jefferson-Houston Elementary	1.2	1.2
John Adams Elementary	0.9	1
Lyles-Crouch Elementary	0.5	0.6
Maury Elementary	0.4	0.4
Mount Vernon Elementary	0.6	0.7
Patrick Henry Elementary	0.8	0.8
Samuel W. Tucker Elementary	0.6	0.8
T.C. Williams High	0.8	1
William Ramsay Elementary	0.8	0.8



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