


Office of the Superintendent of Schools  
MONTGOMERY COUNTY PUBLIC SCHOOLS  
Rockville, Maryland

August 26, 2008

MEMORANDUM

To: Members of the Board of Education

From: Jerry D. Weast, Superintendent of Schools 

Subject: SAT Participation and Performance of the MCPS Class of 2008

The SAT combined scores for the Montgomery County Public Schools (MCPS) Class of 2008 (1616) continue to be statistically significantly higher than the mean SAT combined scores for Maryland (1498) and the nation (1511), but are lower than scores for the MCPS Class of 2007. On average, MCPS outperformed all test takers in Maryland and the nation—including private school students—by 118 and 105 points, respectively (Table A1). The MCPS Class of 2008 mean score on each SAT subtest was at least 30 points higher than the subtest scores for Maryland and the nation (Figure 1). In math, the MCPS mean SAT score of 549 was 47 points higher than the Maryland mean score of 502.

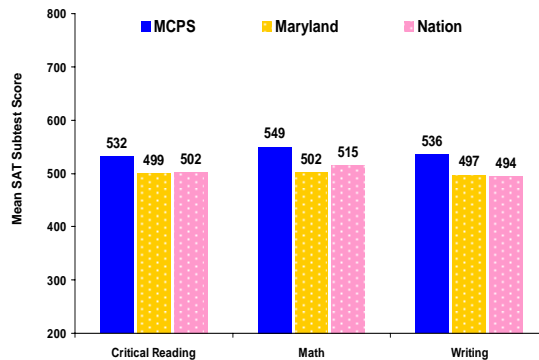


Figure 1. Mean SAT critical reading, math, and writing scores for the Classes of 2008 in MCPS, Maryland, and the nation.

The high performance levels on the SAT are impressive since almost three fourths (7,274) of the MCPS Class of 2008 took the SAT. MCPS SAT participation rates were higher than the rates for Maryland (68%) and the nation (45%), but lower than our participation rate in 2007. At the same time, MCPS saw a marked increase in ACT participation this year (a 620-student increase in participation). As has been the case for years, MCPS, Maryland, and the nation continue to see that a disproportionate number of SAT test takers are Asian American and White rather than African American or Hispanic; a trend that we are determined to correct. As Montgomery County has continued to grow more diverse, we continue to encourage increased participation

among students of all backgrounds because we believe it's the right thing to do. However, until all students have the same level of preparation going into the exam, scores may decline. That is what we experienced this year.

In counties with less diversity such as Howard County, where White students account for 59 percent of the student body, and Fairfax County, where White students make up 48 percent of the class, scores improved. It is important to note that White students in MCPS continue to outscore White peers in both counties by significant margins.

SAT scores for MCPS students of all races/ethnicities were higher than the scores of their counterparts in Maryland and the nation, but the racial/ethnic gaps in SAT performance observed in Maryland and the nation also were observed in MCPS. Asian American students' scores actually increased in 2008 by 14 points to 1720, and White students scores rose 4 points to 1740. There was a difference of more than 360 points in the MCPS mean SAT combined scores of Asian American and White students compared with African American (1336) and Hispanic (1401) students. The mean SAT combined scores of students in the MCPS Class of 2008 who received Free and Reduced-price Meals System (FARMS), special education, and limited English proficiency (LEP) services were more than 300 points lower than the MCPS average. This SAT achievement gap remains troublesome and continues to be an area where we must focus our reform efforts.

Although SAT mean scores for the MCPS Class of 2008 exceeded those for Maryland and the nation, they were lower than for the MCPS Classes of 2006 and 2007 (Attachment). One reason for this may be changes in test-taking patterns that have resulted from an increase in ACT participation. Between 2006 and 2008, the percentage of graduates who took the ACT increased by 8.3 percentage points to nearly one fourth of all graduates. Both participation and performance on the ACT have increased steadily over the last five years. At the same time, there was a decrease in SAT retesting among MCPS graduates of 5.5 percentage points between 2006 (65.5 percent) and 2008 (60.0 percent).

Table 1  
Number and Percentage of SAT Test Takers in the  
MCPS Classes of 2006 to 2008 Who Took an SAT Retest  
by Race/Ethnicity

Race/Ethnicity	N			%		
	Took SAT Retest			Took SAT Retest		
	2006	2007	2008	2006	2007	2008
All	4709	4866	4363	65.5	63.5	60.0
African Am.	724	855	766	58.4	58.8	53.4
Asian Am.	1044	1060	956	76.4	78.0	73.9
Hispanic	345	408	390	49.9	48.7	44.9
White	2593	2535	2237	66.8	63.5	61.2

The College Board reports that, on average, students who retake the SAT increase their combined critical reading, mathematics, and writing score by approximately 40 points. The cumulative effect of the change in retesting, perhaps due to greater ACT participation, may contribute to the decline in MCPS SAT mean scores.

Although SAT mean scores have declined over the past three years, the percentage of students who attained an SAT combined score of 1650 or higher and/or an ACT composite score of 24 or higher (the score that corresponds to an SAT-combined score of 1650) held steady for students of all races/ethnicities (Table 2). Between 2006 and 2008, the percentages of SAT test takers whose scores met the MCPS strategic plan goal for students to attain an SAT combined score of 1650 or higher decreased by 2.8 percentage points, but the percentage of ACT test takers who earned composite scores of 24 or higher increased by 5.7 percentage points. MCPS students in the Class of 2008 attained high scores on the SAT and/or ACT at the same rates as in prior years; however, the change in student testing patterns may have had a negative impact on the district SAT mean score.

Table 2  
Number and Percentage of MCPS Graduates in the Classes of 2006 to 2008  
With ACT Composite Score of 24 or Higher and/or  
SAT Combined Scores of 1650 or Higher by Race/Ethnicity

Race/Ethnicity	% ACT Composite Score 24 or Higher			% SAT Combined Score 1650 or Higher			% ACT Composite Score 24 or Higher and/or SAT Combined Score 1650 or Higher		
	2006	2007	2008	2006	2007	2008	2006	2007	2008
	All	48.7	48.4	54.4	50.2	48.6	47.4	50.4	49.4
African Am.	13.3	15.8	16.9	15.6	16.4	15.4	16.0	16.6	16.1
Asian Am.	57.1	66.0	71.2	59.1	56.8	58.0	59.1	57.8	59.1
Hispanic	27.2	32.5	31.8	24.2	21.0	20.4	23.8	21.2	21.3
White	59.1	57.9	63.6	62.8	63.3	62.6	63.3	64.5	64.4

*Note.* An ACT composite score of 24 corresponds in percentile rank to an SAT combined score of 1650.

The MCPS Office of Shared Accountability (OSA) is conducting analyses that will be used to inform efforts to improve SAT scores for all students. One early finding confirms the strong correlation of high school mathematics coursework and course marks with SAT math performance. Over the past three years, about three fourths of MCPS SAT takers who completed Algebra 2 or above and maintained a GPA of 2.5 or better in their high school mathematics courses earned SAT mean math scores of 550 or higher. However, there is an increase in the number of students who have not attained these academic benchmarks who take SAT. The increased SAT participation by students who were not as well prepared contributed to a decrease in the MCPS SAT mean score. This is an area of intense strategic focus this year because we

have concluded, as we have discussed with you before, that students must take and succeed in high level courses to do well on the SAT and the ACT. We will continue to monitor and support students in these courses. If we are to successfully address the achievement gap, we must prepare more students for higher level courses so they will be better equipped for these tests and for the educational and career pathways to which they lead.

An additional phenomenon we are seeing and the College Board is beginning to study is the retesting strategy employed by some students. We do not know how this is impacting our scores, but I want to bring it to your attention because it appears to be occurring with greater regularity. This test-taking strategy actually may result in lower cumulative scores attributed to a student's record, which, in turn, could impact a school's performance. For example, once a student examines his/her scores in all three performance areas, the student may decide that he/she needs a higher score in one of the three areas. The student may then decide to retake the test in order to better his/her score in that one distinct area while not concentrating on the performance in the other areas. When considering applicants' scores, it is common practice at many colleges to consider the best score achieved on each subtest, so it benefits the student to use this strategy.

However, this "cherry picking" technique could potentially create a problem for the school results because the score that is reported for the student to the district is the last comprehensive score, not necessarily the best comprehensive score. For example, a student could have had a cumulative 2300 with a 600 in math. The student decides to take the test again in an effort to improve the math score to 650. The student's score on the math portion may increase, but the overall score may decline, for example, to 2100. The 2100 score is reported to the district as the student's score because that was the last test taken.

We do not precisely know how many students are engaging in this strategy, but many principals report that it is increasing. I have asked OSA and the Office of School Performance to explore this test-taking method further and determine what impact, if any, it may be having on test scores.

This is but one area we will be exploring through our research to better inform us how to improve our students' performance on these tests. While we are not pleased with the decline in scores, we are confident that our educational program is continuing to prepare more and more students for success in college and beyond. We are pleased with the upward trend as demonstrated by the ACT scores. We also continue to see greater participation in Advanced Placement courses and strong performance in this critical area. I believe that we remain on the right track in our quest to create a school system that provides exceptional learning opportunities for students of all backgrounds.

I will continue to keep you informed of new findings.

JDW:cev

Attachment

Copy to:

Executive Staff

Table A1  
Number of Test Takers and Mean Most Recent SAT Subtest Scores for the Classes of 2008  
as Reported by MCPS and College Board

Class	Demographic Group	MCPS- Graduates in the June Class of 2008 (MCPS status verified by MCPS)				College Board College-Bound Seniors in the Class of 2008							
		N Took SAT	Critical Reading	Math	Writing	Maryland (Includes public and private schools)				Nation (Includes public and private schools)			
						N Took SAT	Critical Reading	Math	Writing	N Took SAT	Critical Reading	Math	Writing
	All Students	7274	532	549	536	46,928	499	502	497	1,518,859	502	515	494
	Male	3475	534	567	527	21,536	501	521	489	704,226	504	533	488
	Female	3799	529	531	543	25,324	497	487	504	812,764	500	500	501
2008	African American	1433	443	444	449	13,091	423	411	423	174,383	430	426	424
	Asian American	1294	551	610	559	3,387	531	584	538	151,235	513	581	516
	Hispanic	867	464	473	464	2,415	477	479	475	190,203	455	461	448
	White	3656	575	586	579	24,397	540	547	536	858,561	528	537	518
	Other <sup>a</sup>					1,358	499	499	497	52,016	496	512	494
	Unreported <sup>a</sup>					2,071	464	453	459	82,866	471	492	467

*Note.* Results for American Indian students are not reported separately but are included with all students. SAT data are reported for students who graduated in June 2008.

<sup>a</sup> The race/ethnicity and gender of all MCPS-verified students is known. Some test takers did not report gender and/or race/ethnicity to the College Board.

Table A2  
SAT Participation of the MCPS Classes of 2006 to 2008 by Demographic Group

Demographic Group	N Graduates			SAT Participation					
	2006	2007	2008	N Took SAT			% Took SAT		
	2006	2007	2008	2006	2007	2008	2006	2007	2008
All Students	9483	9702	9876	7191	7660	7274	75.8	79.0	73.7
Male	4632	4864	4891	3398	3738	3475	73.4	76.9	71.0
Female	4851	4838	4985	3793	3922	3799	78.2	81.1	76.2
African Am.	1882	2030	2097	1240	1453	1433	65.9	71.6	68.3
Male	849	957	976	515	654	623	60.7	68.3	63.8
Female	1033	1073	1121	725	799	810	70.2	74.5	72.3
Asian Am.	1556	1521	1513	1366	1359	1294	87.8	89.3	85.5
Male	805	751	778	694	664	650	86.2	88.4	83.5
Female	751	770	735	672	695	644	89.5	90.3	87.6
Hispanic	1303	1468	1602	691	837	867	53.0	57.0	54.1
Male	615	709	770	297	372	381	48.3	52.5	49.5
Female	688	759	832	394	465	486	57.3	61.3	58.4
White	4728	4661	4632	3884	3995	3656	82.1	85.7	78.9
Male	2353	2438	2354	1885	2041	1810	80.1	83.7	76.9
Female	2375	2223	2278	1999	1954	1846	84.2	87.9	81.0
FARMS	1071	1210	1468	578	737	846	54.0	60.9	57.6
Special Ed.	809	725	792	371	334	319	45.9	46.1	40.3
LEP	277	308	321	99	121	145	35.7	39.3	45.2

Note. SAT data are based on the most recent administration for students who graduated in June 2008.

Table A3  
SAT Mean Scores of the MCPS Classes of 2006 to 2008 by Demographic Group

Demographic Group	SAT Mean Combined Score			SAT Mean Subtest Scores								
				Critical Reading			Math			Writing		
	2006	2007	2008	2006	2007	2008	2006	2007	2008	2006	2007	2008
All Students	1634	1624	1616	539	537	532	558	552	549	537	535	536
Male	1648	1635	1628	542	537	534	575	569	567	531	529	527
Female	1621	1613	1604	537	537	529	542	535	531	542	541	543
African Am.	1360	1357	1336	457	453	443	452	451	444	451	453	449
Male	1347	1348	1317	451	447	434	460	461	452	437	439	431
Female	1368	1365	1350	461	458	450	447	442	438	461	464	463
Asian Am.	1710	1706	1720	549	549	551	607	606	610	553	552	559
Male	1723	1710	1737	554	548	556	620	617	627	550	545	554
Female	1695	1703	1703	545	549	547	594	595	592	556	558	564
Hispanic	1410	1418	1401	468	470	464	479	481	473	463	467	464
Male	1433	1438	1409	473	473	463	499	505	491	461	460	455
Female	1393	1403	1394	464	469	464	464	462	459	464	472	471
White	1735	1736	1740	575	577	575	588	585	586	572	574	579
Male	1737	1738	1743	573	574	575	603	600	602	561	565	566
Female	1733	1733	1737	577	581	576	574	569	571	582	583	591
FARMS	1316	1315	1296	427	428	423	461	460	446	428	428	427
Special Ed.	1383	1353	1309	463	450	439	473	460	444	448	443	425
LEP	1148	1127	1085	351	328	327	456	461	412	342	338	346

*Note.* SAT data are based on the most recent administration for students who graduated in June 2006 to 2008. The combined score may differ by one point from the sum of the subtest scores because of rounding.

Table A4  
SAT Participation of the MCPS Classes of 2006 to 2008 by High School

High School	N Graduates			N Took SAT			% Took SAT		
	2006	2007	2008	2006	2007	2008	2006	2007	2008
All	9483	9702	9876	7191	7660	7274	75.8	79.0	73.7
B-CC	385	410	402	312	339	327	81.0	82.7	81.3
Blair	667	658	650	522	533	502	78.3	81.0	77.2
Blake	435	401	442	346	340	327	79.5	84.8	74.0
Churchill	524	524	497	478	484	411	91.2	92.4	82.7
Clarksburg	0	0	247	0	0	115	n/r	n/r	46.6
Damascus	453	442	359	294	320	252	64.9	72.4	70.2
Einstein	330	383	318	234	262	223	70.9	68.4	70.1
Gaithersburg	427	428	479	311	326	310	72.8	76.2	64.7
Kennedy	299	334	302	194	227	227	64.9	68.0	75.2
Magruder	491	466	483	367	364	334	74.7	78.1	69.2
Northwest	392	430	440	301	349	323	76.8	81.2	73.4
Northwood	0	0	294	0	0	178	n/r	n/r	60.5
Paint Branch	398	396	363	318	310	271	79.9	78.3	74.7
Poolesville	181	192	217	134	155	165	74.0	80.7	76.0
Quince Orchard	424	433	392	350	341	294	82.5	78.8	75.0
R. Montgomery	426	444	432	337	353	313	79.1	79.5	72.5
Rockville	230	278	266	172	202	166	74.8	72.7	62.4
Seneca Valley	315	334	290	212	227	175	67.3	68.0	60.3
Sherwood	497	515	497	316	416	397	63.6	80.8	79.9
Springbrook	415	438	374	296	340	268	71.3	77.6	71.7
Walter Johnson	452	401	449	360	331	373	79.6	82.5	83.1
Watkins Mill	384	400	351	259	269	232	67.4	67.3	66.1
Wheaton	259	300	242	163	225	187	62.9	75.0	77.3
Whitman	450	438	460	409	402	404	90.9	91.8	87.8
Wootton	545	572	563	499	529	495	91.6	92.5	87.9
Special Schools <sup>a</sup>	104	85	67	7	16	5	6.7	18.8	7.5

Note. SAT data are based on the most recent administration for students who graduated in June 2008. Results are not reported (n/r) for subgroups with fewer than five test takers.

<sup>a</sup> Includes graduates enrolled in special schools and evening school during Grade 12.



Table A5  
SAT Mean Scores of the MCPS Classes of 2006 to 2008 by High School

Demographic Group	SAT Mean Combined Score			SAT Mean Subtest Scores								
				Critical Reading			Math			Writing		
	2006	2007	2008	2006	2007	2008	2006	2007	2008	2006	2007	2008
All	1634	1624	1616	539	537	532	558	552	549	537	535	536
B-CC	1784	1745	1751	595	584	578	598	583	581	592	578	591
Blair	1628	1679	1672	543	558	552	548	568	564	537	553	556
Blake	1556	1559	1490	523	522	494	520	521	503	513	515	493
Churchill	1827	1821	1820	595	596	592	628	620	626	603	604	602
Clarksburg	n/r	n/r	1547	n/r	n/r	513	n/r	n/r	525	n/r	n/r	509
Damascus	1606	1570	1602	528	518	529	557	538	549	521	515	524
Einstein	1459	1454	1475	487	480	489	489	497	492	484	477	494
Gaithersburg	1498	1469	1514	500	488	501	512	497	511	486	484	502
Kennedy	1420	1427	1342	472	470	441	478	492	454	470	465	447
Magruder	1615	1584	1602	537	524	527	555	544	546	523	516	529
Northwest	1547	1522	1527	514	509	504	522	513	514	511	500	509
Northwood	n/r	n/r	1401	n/r	n/r	471	n/r	n/r	462	n/r	n/r	468
Paint Branch	1548	1498	1489	511	489	489	534	516	507	503	493	494
Poolesville	1639	1736	1674	541	575	545	565	590	576	534	571	552
Quince Orchard	1603	1627	1635	523	534	536	553	556	558	527	537	541
R. Montgomery	1760	1781	1797	584	593	591	599	601	611	576	587	594
Rockville	1514	1579	1571	503	521	520	520	538	533	491	521	518
Seneca Valley	1516	1475	1466	496	484	477	508	502	507	512	489	481
Sherwood	1607	1608	1576	525	529	512	553	546	542	529	533	522
Springbrook	1549	1533	1479	512	511	490	528	516	498	509	506	491
Walter Johnson	1754	1733	1765	577	575	583	601	587	603	575	571	579
Watkins Mill	1468	1451	1408	479	484	468	505	482	466	483	485	474
Wheaton	1313	1326	1314	437	438	432	447	461	447	429	426	435
Whitman	1884	1880	1876	622	625	619	639	631	629	623	624	627
Wootton	1796	1785	1784	580	581	578	627	620	619	589	585	587
Special Schools <sup>a</sup>	1533	1367	1892	509	440	650	533	482	606	491	445	636

Note. SAT data are based on the most recent administration for students who graduated in June 2006 to 2008. The combined score may differ by one point from the sum of the subtest scores because of rounding.

Table A6  
SAT Participation of the MCPS Class of 2008 by High School and Race/Ethnicity

High School	All			African American			Asian American			Hispanic			White		
	N Grads	N Took	% Took	N Grads	N Took	% Took	N Grads	N Took	% Took	N Grads	N Took	% Took	N Grads	N Took	% Took
MCPS	9876	7274	73.7	2097	1433	68.3	1513	1294	85.5	1602	867	54.1	4632	3656	78.9
B-CC	402	327	81.3	55	38	69.1	29	26	89.7	63	45	71.4	255	218	85.5
Blair	650	502	77.2	199	152	76.4	115	105	91.3	162	87	53.7	172	156	90.7
Blake	442	327	74.0	148	101	68.2	45	34	75.6	57	37	64.9	189	152	80.4
Churchill	497	411	82.7	36	26	72.2	88	80	90.9	29	23	79.3	343	282	82.2
Clarksburg	247	115	46.6	69	30	43.5	46	31	67.4	48	13	27.1	84	41	48.8
Damascus	359	252	70.2	23	11	47.8	12	12	100.0	32	17	53.1	292	212	72.6
Einstein	318	223	70.1	79	62	78.5	45	38	84.4	104	52	50.0	88	71	80.7
Gaithersburg	479	310	64.7	118	78	66.1	51	38	74.5	106	41	38.7	203	152	74.9
Kennedy	302	227	75.2	134	105	78.4	28	24	85.7	88	54	61.4	51	44	86.3
Magruder	483	334	69.2	85	54	63.5	75	65	86.7	86	35	40.7	236	179	75.8
Northwest	440	323	73.4	122	80	65.6	86	75	87.2	61	38	62.3	170	129	75.9
Northwood	294	178	60.5	108	71	65.7	18	12	66.7	77	30	39.0	90	64	71.1
Paint Branch	363	271	74.7	161	119	73.9	73	61	83.6	31	19	61.3	97	71	73.2
Poolesville	217	165	76.0	12	8	66.7	8	8	100.0	9	6	66.7	186	142	76.3
Quince Orchard	392	294	75.0	65	45	69.2	69	57	82.6	39	21	53.8	216	170	78.7
Richard Montgomery	432	313	72.5	57	34	59.6	125	99	79.2	52	26	50.0	195	151	77.4
Rockville	266	166	62.4	36	20	55.6	37	25	67.6	61	29	47.5	132	92	69.7
Seneca Valley	290	175	60.3	78	44	56.4	43	32	74.4	51	18	35.3	116	80	69.0
Sherwood	497	397	79.9	64	44	68.8	57	52	91.2	49	24	49.0	326	276	84.7
Springbrook	374	268	71.7	168	124	73.8	67	56	83.6	72	34	47.2	64	51	79.7
Walter Johnson	449	373	83.1	30	20	66.7	60	56	93.3	49	36	73.5	308	259	84.1
Watkins Mill	351	232	66.1	120	80	66.7	38	30	78.9	93	56	60.2	100	66	66.0
Wheaton	242	187	77.3	69	57	82.6	35	30	85.7	112	79	70.5	26	21	80.8
Whitman	460	404	87.8	12	9	75.0	62	55	88.7	29	23	79.3	356	316	88.8
Wootton	563	495	87.9	27	21	77.8	200	193	96.5	31	24	77.4	304	256	84.2
Special Schools <sup>a</sup>	67	5	7.5	22	0	0.0	1	n/r	n/r	11	0	0.0	33	5	15.2

Note. Results for American Indian students are not reported separately but are included with all students. SAT data are based on the most recent administration for students who graduated in June 2008. SAT mean scores are not reported (n/r) for subgroups with fewer than five test takers.

<sup>a</sup> Includes graduates enrolled in special schools and evening school during Grade 12.

Table A7  
SAT Participation of the MCPS Class of 2008 by High School, Gender, and Service Group

High School	Male			Female			FARMS			Special Education			LEP		
	<i>N</i> Grads	<i>N</i> Took	% Took	<i>N</i> Grads	<i>N</i> Took	% Took	<i>N</i> Grads	<i>N</i> Took	% Took	<i>N</i> Grads	<i>N</i> Took	% Took	<i>N</i> Grads	<i>N</i> Took	% Took
MCPS	4891	3475	71.0	4985	3799	76.2	1468	846	57.6	792	319	40.2	321	145	45.2
B-CC	190	149	78.4	212	178	84.0	29	16	55.2	21	11	52.4	15	7	46.7
Blair	316	236	74.7	334	266	79.6	176	117	66.5	41	16	39.0	38	16	42.1
Blake	188	134	71.3	254	193	76.0	52	31	59.6	23	16	69.6	4	n/r	n/r
Churchill	252	213	84.5	245	198	80.8	13	8	61.5	43	22	51.2	0	n/r	n/r
Clarksburg	131	53	40.5	116	62	53.4	41	14	34.1	24	6	25.0	14	5	35.7
Damascus	183	120	65.6	176	132	75.0	23	9	39.1	42	12	28.6	0	n/r	n/r
Einstein	139	98	70.5	179	125	69.8	98	60	61.2	16	9	56.3	26	9	34.6
Gaithersburg	255	168	65.9	224	142	63.4	93	41	44.1	58	17	29.3	27	11	40.7
Kennedy	131	90	68.7	171	137	80.1	102	73	71.6	22	12	54.5	21	15	71.4
Magruder	253	171	67.6	230	163	70.9	62	26	41.9	39	13	33.3	11	1	9.1
Northwest	218	149	68.3	222	174	78.4	55	32	58.2	38	14	36.8	0	n/r	n/r
Northwood	158	95	60.1	136	83	61.0	73	43	58.9	35	12	34.3	11	4	36.4
Paint Branch	169	122	72.2	194	149	76.8	55	35	63.6	13	5	38.5	2	n/r	n/r
Poolesville	98	70	71.4	119	95	79.8	7	4	57.1	16	6	37.5	0	n/r	n/r
Quince Orchard	192	139	72.4	200	155	77.5	42	23	54.8	32	14	43.8	10	5	50.0
Richard Montgomery	215	146	67.9	217	167	77.0	58	31	53.4	30	8	26.7	22	9	40.9
Rockville	137	79	57.7	129	87	67.4	43	20	46.5	31	6	19.4	5	1	20.0
Seneca Valley	146	89	61.0	144	86	59.7	56	28	50.0	34	12	35.3	17	8	47.1
Sherwood	243	190	78.2	254	207	81.5	44	18	40.9	26	11	42.3	28	10	35.7
Springbrook	186	120	64.5	188	148	78.7	93	54	58.1	26	14	53.8	7	3	42.9
Walter Johnson	235	193	82.1	214	180	84.1	20	12	60.0	39	21	53.8	10	4	40.0
Watkins Mill	169	103	60.9	182	129	70.9	90	55	61.1	37	10	27.0	22	12	54.5
Wheaton	120	85	70.8	122	102	83.6	117	86	73.5	14	9	64.3	15	10	66.7
Whitman	230	202	87.8	230	202	87.8	4	n/r	n/r	35	19	54.3	7	4	57.1
Wootton	293	260	88.7	270	235	87.0	16	10	62.5	38	24	63.2	9	7	77.8
Special Schools <sup>a</sup>	44	n/r	n/r	23	n/r	n/r	6	n/r	n/r	19	n/r	n/r	0	n/r	n/r

Note. SAT data are based on the most recent administration for students who graduated in June 2008. SAT mean scores are not reported (n/r) for subgroups with fewer than five test takers.

<sup>a</sup> Includes graduates enrolled in special schools and evening school during Grade 12.

Table A8  
SAT Mean Combined Scores of the MCPS Class of 2008 by High School and Demographic Group

	All	African American	Asian American	Hispanic	White	Male	Female	FARMS	Special Education	LEP
MCPS	1616	1336	1720	1401	1740	1628	1604	1296	1309	1085
B-CC	1751	1361	1692	1463	1885	1772	1733	1170	1404	1109
Blair	1672	1347	1962	1414	1937	1721	1629	1309	1439	984
Blake	1490	1320	1572	1363	1619	1477	1498	1296	1159	n/r
Churchill	1820	1472	1905	1698	1838	1838	1800	1404	1509	n/r
Clarksburg	1547	1352	1675	1495	1610	1561	1535	1401	1092	1178
Damascus	1602	1294	1654	1480	1625	1615	1590	1268	1509	n/r
Einstein	1475	1239	1462	1345	1782	1464	1482	1281	1207	981
Gaithersburg	1514	1310	1574	1324	1653	1528	1498	1237	1215	990
Kennedy	1342	1262	1385	1277	1589	1313	1361	1170	1049	982
Magruder	1602	1493	1641	1430	1652	1574	1631	1390	1162	n/r
Northwest	1527	1357	1632	1303	1640	1520	1534	1370	1274	n/r
Northwood	1401	1245	1474	1243	1635	1402	1400	1216	1253	n/r
Paint Branch	1489	1361	1589	1508	1618	1534	1453	1303	952	n/r
Poolesville	1674	1555	1598	1612	1688	1685	1665	n/r	1390	n/r
Quince Orchard	1635	1343	1713	1417	1716	1627	1642	1303	1249	1200
Richard Montgomery	1797	1454	1864	1556	1877	1813	1782	1443	1385	1212
Rockville	1571	1306	1633	1372	1674	1590	1553	1440	1623	n/r
Seneca Valley	1466	1288	1512	1448	1551	1468	1463	1314	1148	1166
Sherwood	1576	1358	1568	1387	1629	1566	1585	1254	1336	1081
Springbrook	1479	1336	1605	1407	1737	1478	1480	1340	1184	n/r
Walter Johnson	1765	1551	1800	1550	1804	1765	1766	1536	1394	n/r
Watkins Mill	1408	1253	1533	1350	1587	1440	1381	1286	1089	1071
Wheaton	1314	1285	1384	1237	1582	1333	1297	1234	1103	997
Whitman	1876	1573	1891	1671	1897	1868	1884	n/r	1539	n/r
Wootton	1784	1481	1855	1595	1773	1792	1776	1477	1448	1337
Special Schools <sup>a</sup>	1892	n/r	n/r	n/r	1892	n/r	n/r	n/r	n/r	n/r

*Note.* Results for American Indian students are not reported separately but are included with all students. SAT data are based on the most recent administration for students who graduated in June 2008. SAT mean scores are not reported (n/r) for subgroups with fewer than five test takers.

<sup>a</sup> Includes graduates enrolled in special schools and evening school during Grade 12.

Table A9  
SAT Mean Subtest Scores of the MCPS Class of 2008 by High School and Race/Ethnicity

High School	All			African American			Asian American			Hispanic			White		
	Critical Reading	Math	Writing	Critical Reading	Math	Writing	Critical Reading	Math	Writing	Critical Reading	Math	Writing	Critical Reading	Math	Writing
MCPS	532	549	536	443	444	449	551	610	559	464	473	464	575	586	579
B-CC	578	581	591	446	457	458	540	599	553	492	475	496	624	623	638
Blair	552	564	556	437	458	452	638	686	638	469	475	470	653	635	649
Blake	494	503	493	438	438	444	506	561	505	465	447	450	536	548	535
Churchill	592	626	602	487	498	486	610	676	619	547	578	573	600	627	611
Clarksburg	513	525	509	454	450	448	539	591	545	495	507	493	543	535	532
Damascus	529	549	524	450	421	423	522	580	553	486	514	479	537	557	531
Einstein	489	492	494	407	415	418	472	519	471	452	451	443	597	574	611
Gaithersburg	501	511	502	434	432	444	517	544	513	437	449	438	547	559	547
Kennedy	441	454	447	412	423	426	439	491	455	425	437	416	532	529	528
Magruder	527	546	529	494	498	501	527	577	536	466	498	467	549	558	546
Northwest	504	514	509	453	451	454	527	573	532	422	443	438	549	539	552
Northwood	471	462	468	422	407	416	478	496	501	417	416	410	549	538	548
Paint Branch	489	507	494	451	453	457	507	556	526	489	525	494	536	552	529
Poolesville	545	576	552	515	535	505	493	563	543	512	555	545	551	581	556
Quince Orchard	536	558	541	451	440	452	546	604	563	460	501	456	566	582	568
Richard Montgomery	591	611	594	492	462	500	602	657	605	514	537	505	622	630	625
Rockville	520	533	518	448	419	439	519	603	511	453	468	451	557	560	558
Seneca Valley	477	507	481	432	424	432	453	565	493	485	489	474	511	534	506
Sherwood	512	542	522	436	469	452	489	571	508	467	458	462	533	556	541
Springbrook	490	498	491	444	440	452	519	568	518	473	471	463	581	582	575
Walter Johnson	583	603	579	523	518	511	571	655	574	517	523	509	600	609	595
Watkins Mill	468	466	474	422	403	429	494	532	508	450	446	455	526	531	529
Wheaton	432	447	435	427	433	424	446	484	454	403	421	413	531	530	521
Whitman	619	629	627	546	498	530	615	667	609	555	557	559	627	632	638
Wootton	578	619	587	500	496	486	591	661	602	525	540	530	579	605	589
Special Schools <sup>a</sup>	650	606	636	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	650	606	636

*Note.* Results for American Indian students are not reported separately but are included with all students. SAT data are based on the most recent administration for students who graduated in June 2008. SAT mean scores are not reported (n/r) for subgroups with fewer than five test takers.

<sup>a</sup> Includes graduates enrolled in special schools and evening school during Grade 12.

Table A10  
SAT Mean Subtest Scores of MCPS Class of 2008 by High School, Gender, and Service Group

High School	Male			Female			FARMS			Special Education			LEP		
	Critical Reading	Math	Writing	Critical Reading	Math	Writing	Critical Reading	Math	Writing	Critical Reading	Math	Writing	Critical Reading	Math	Writing
MCPS	534	567	527	529	531	543	423	446	427	439	444	425	327	412	346
B-CC	587	603	582	572	563	598	376	409	385	469	456	478	341	413	354
Blair	563	598	559	543	534	552	426	452	431	469	500	470	274	393	318
Blake	489	509	479	497	499	502	433	436	427	397	391	371	n/r	n/r	n/r
Churchill	595	648	596	589	602	609	475	470	459	501	522	486	n/r	n/r	n/r
Clarksburg	514	546	501	512	507	516	444	506	451	375	380	337	338	486	354
Damascus	533	569	513	525	531	534	430	431	407	527	512	471	n/r	n/r	n/r
Einstein	484	499	482	493	486	503	420	445	416	371	443	392	317	356	309
Gaithersburg	501	528	499	501	491	507	411	414	412	415	407	393	315	339	336
Kennedy	425	460	428	452	450	459	386	398	385	353	372	325	328	329	325
Magruder	514	552	508	542	539	550	450	490	449	390	383	388	320	370	240
Northwest	502	526	492	507	504	524	453	468	449	440	416	418	n/r	n/r	n/r
Northwood	468	478	455	474	444	481	403	406	407	413	432	408	295	388	345
Paint Branch	502	540	493	478	480	494	426	439	437	292	320	340	280	470	410
Poolesville	559	589	538	534	567	563	n/r	n/r	n/r	473	458	458	n/r	n/r	n/r
Quince Orchard	536	571	521	536	547	559	433	442	428	392	442	415	334	482	384
Richard Montgomery	594	631	588	589	594	599	462	520	460	461	480	444	346	510	357
Rockville	524	556	511	516	513	524	464	504	472	540	537	547	n/r	n/r	n/r
Seneca Valley	476	522	470	478	491	494	409	472	433	400	381	367	314	490	363
Sherwood	505	557	504	519	528	538	400	428	427	446	476	414	315	445	321
Springbrook	485	518	475	494	483	504	441	451	449	421	379	384	n/r	n/r	n/r
Walter Johnson	581	619	564	586	585	595	489	546	501	469	477	448	n/r	n/r	n/r
Watkins Mill	475	494	470	461	444	476	416	437	433	364	363	362	345	357	369
Wheaton	439	463	432	426	434	438	402	421	411	352	399	352	332	337	328
Whitman	620	636	612	619	622	642	n/r	n/r	n/r	527	505	507	n/r	n/r	n/r
Wootton	580	631	581	576	606	593	479	541	457	487	484	476	367	584	386
Special Schools <sup>a</sup>	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r

Note. SAT data are based on the most recent administration for students who graduated in June 2008. SAT mean scores are not reported (n/r) for subgroups with fewer than five test takers.

<sup>a</sup> Includes graduates enrolled in special schools and evening school during Grade 12.

Table A11  
SAT and ACT Participation and Performance of the MCPS Classes of 2006 to 2008 by Demographic Group

Demographic Group	N Graduates			Took SAT and/or ACT						SAT Combined Score 1650 or higher and/or ACT composite score 24 or higher					
				N Graduates			% Graduates			N Graduates			% Graduates		
	2006	2007	2008	2006	2007	2008	2006	2007	2008	2006	2007	2008	2006	2007	2008
All Students	9483	9702	9876	7392	7766	7624	78.0	80.0	77.2	3727	3833	3717	50.4	49.4	48.8
Male	4632	4864	4891	3482	3781	3638	75.2	77.7	74.4	1792	1928	1825	51.5	51.0	50.2
Female	4851	4838	4985	3910	3985	3986	80.6	82.4	80.0	1935	1905	1892	49.5	47.8	47.5
African Am.	1882	2030	2097	1283	1496	1504	68.2	73.7	71.7	205	249	242	16.0	16.6	16.1
Male	849	957	976	527	670	658	62.1	70.0	67.4	75	109	107	14.2	16.3	16.3
Female	1033	1073	1121	756	826	846	73.2	77.0	75.5	130	140	135	17.2	16.9	16.0
Asian Am.	1556	1521	1513	1382	1364	1317	88.8	89.7	87.0	817	788	778	59.1	57.8	59.1
Male	805	751	778	703	666	659	87.3	88.7	84.7	429	391	407	61.0	58.7	61.8
Female	751	770	735	679	698	658	90.4	90.6	89.5	388	397	371	57.1	56.9	56.4
Hispanic	1303	1468	1602	720	843	903	55.3	57.4	56.4	171	179	192	23.8	21.2	21.3
Male	615	709	770	310	372	400	50.4	52.5	51.9	79	91	88	25.5	24.5	22.0
Female	688	759	832	410	471	503	59.6	62.1	60.5	92	88	104	22.4	18.7	20.7
White	4728	4661	4632	3997	4047	3876	84.5	86.8	83.7	2531	2612	2495	63.3	64.5	64.4
Male	2353	2438	2354	1935	2066	1910	82.2	84.7	81.1	1207	1334	1218	62.4	64.6	63.8
Female	2375	2223	2278	2062	1981	1966	86.8	89.1	86.3	1324	1278	1277	64.2	64.5	65.0
FARMS	1071	1210	1468	606	760	883	56.6	62.8	60.1	89	101	107	14.7	13.3	12.1
Special Ed.	809	725	792	395	356	371	48.8	49.1	46.8	96	85	77	24.3	23.9	20.8
LEP	277	308	321	104	124	146	37.5	40.3	45.5	7	5	6	6.7	4.0	4.1

*Note:* SAT and ACT data are based on the most recent administration for students who graduated in June 2008. American Indian students are included with all students but are not reported separately.

Table A12  
SAT and ACT Participation and Performance of the MCPS Classes of 2006 to 2008 by High School

High School	N			Took						SAT Combined Score 1650 or higher and/or ACT composite score 24 or higher					
	Graduates			N Graduates			% Graduates			N Scores			% Scores		
	2006	2007	2008	2006	2007	2008	2006	2007	2008	2006	2007	2008	2006	2007	2008
All	9483	9702	9876	7392	7766	7624	78.0	80.0	77.2	3727	3833	3717	50.4	49.4	48.8
B-CC	385	410	402	328	350	344	85.2	85.4	85.6	231	233	235	70.4	66.6	68.3
Blair	667	658	650	530	542	509	79.5	82.4	78.3	261	276	264	49.2	50.9	51.9
Blake	435	401	442	352	343	346	80.9	85.5	78.3	136	138	112	38.6	40.2	32.4
Churchill	524	524	497	488	496	449	93.1	94.7	90.3	365	379	347	74.8	76.4	77.3
Clarksburg	0	0	247	0	0	130	n/r	n/r	52.6	0	0	43	n/r	n/r	33.1
Damascus	453	442	359	301	322	257	66.4	72.9	71.6	135	136	110	44.9	42.2	42.8
Einstein	330	383	318	241	265	230	73.0	69.2	72.3	75	74	75	31.1	27.9	32.6
Gaithersburg	427	428	479	323	329	319	75.6	76.9	66.6	109	93	115	33.7	28.3	36.1
Kennedy	299	334	302	203	231	230	67.9	69.2	76.2	48	56	39	23.6	24.2	17.0
Magruder	491	466	483	380	368	351	77.4	79.0	72.7	173	171	162	45.5	46.5	46.2
Northwest	392	430	440	305	352	330	77.8	81.9	75.0	111	126	121	36.4	35.8	36.7
Northwood	0	0	294	0	0	194	n/r	n/r	66.0	0	0	45	n/r	n/r	23.2
Paint Branch	398	396	363	318	313	279	79.9	79.0	76.9	122	102	91	38.4	32.6	32.6
Poolesville	181	192	217	148	155	171	81.8	80.7	78.8	76	106	102	51.4	68.4	59.6
Quince Orchard	424	433	392	359	348	310	84.7	80.4	79.1	165	175	158	46.0	50.3	51.0
R. Montgomery	426	444	432	344	359	330	80.8	80.9	76.4	216	223	208	62.8	62.1	63.0
Rockville	230	278	266	172	203	179	74.8	73.0	67.3	63	87	69	36.6	42.9	38.5
Seneca Valley	315	334	290	217	231	187	68.9	69.2	64.5	73	67	50	33.6	29.0	26.7
Sherwood	497	515	497	343	424	418	69.0	82.3	84.1	163	209	183	47.5	49.3	43.8
Springbrook	415	438	374	308	345	278	74.2	78.8	74.3	116	125	97	37.7	36.2	34.9
Walter Johnson	452	401	449	371	336	394	82.1	83.8	87.8	252	230	282	67.9	68.5	71.6
Watkins Mill	384	400	351	264	274	238	68.8	68.5	67.8	80	78	60	30.3	28.5	25.2
Wheaton	259	300	242	164	227	195	63.3	75.7	80.6	21	36	27	12.8	15.9	13.8
Whitman	450	438	460	416	407	429	92.4	92.9	93.3	351	335	348	84.4	82.3	81.1
Wootton	545	572	563	510	530	521	93.6	92.7	92.5	382	374	370	74.9	70.6	71.0
Special Schools <sup>a</sup>	104	85	67	7	16	6	6.7	18.8	9.0	3	4	4	42.9	25.0	66.7

Note. SAT and ACT data are based on the most recent administration for students who graduated in June 2008. Results are not reported (n/r) for subgroups with fewer than five test takers.

<sup>a</sup> Includes graduates enrolled in special schools and evening school during Grade 12.