This e-mail message has been approved for distribution by Dr. Maria V. Navarro, chief academic officer. No hard copy will be provided.

<div align="right">**INFORMATION**</div>

<div align="center">
Office of Shared Accountability
MONTGOMERY COUNTY PUBLIC SCHOOLS
Rockville, Maryland

April 28, 2016
</div>

<u>MEMORANDUM</u>

To: High School Principals

From: Maria V. Navarro, Chief Academic Officer

Subject: INFORMATION: Grade 10 PSAT Participation and Performance—School Year 2015–2016

The 2015–2016 school year marks the first administration of the redesigned PSAT, which is composed of two sections: 1) Evidence-based Reading and Writing (EBRW) and 2) Math. As part of the newly established SAT Suite of Assessments by the College Board, the redesigned PSAT aligns with best practices in classroom instruction that develop knowledge, skills, and understanding that the research indicates are most important for college and career readiness success. In 2015–2016, more than 90 percent of the 10,859 Montgomery County Public Schools (MCPS) first-time Grade 10 students completed the redesigned PSAT (Figure 1). Participation in the PSAT is of benefit to students, not only as a practice test for the redesigned SAT, but also for the feedback of strengths and areas in need of improvement for college and career readiness. Among the MCPS first-time Grade 10 students who took the PSAT in 2015–2016, the average composite score was 979 out of 1520.

2015–2016 Grade 10 PSAT Participation

MCPS first-time Grade 10 students had a participation rate of 91.5 percent on the 2015–2016 PSAT administration, which was 3.2 percentage points higher than the participation rate of first-time Grade 10 students who took the PSAT in 2014–2015 (88.3 percent). Among all the racial/ethnic groups, Asian students had the highest PSAT participation rate (96.9 percent), followed by White students (94.2 percent), and students identified as Two or More Races (94.1 percent) (Figure 1). Black or African American and Hispanic/Latino students had participation rates of 89.6 percent and 85.8 percent, respectively. The PSAT participation rate of first-time Grade 10 students exceeded 80 percent across special service groups of students receiving Free and Reduced-price Meals System (FARMS) (85.3 percent), Limited English Proficient (LEP) (81.1 percent), and special education (83.7 percent) services.

With the redesigned PSAT, scores on the EBRW and Math sections are reported in increments of 10 on a scale of 160 to 760. The composite score, which is the sum of the two sections, ranges from 320 to 1520 with increments of 10 as well. The test is norm-referenced based on nationally representative samples of students by student-reported grade levels. According to the College Board, the mean composite score obtained from the Grade 10 national representative sample was 939,

and the mean scores for the EBRW and Math sections were 468 and 470, respectively. Among MCPS first-time Grade 10 students in 2015–2016, the mean composite score was 979 as previously indicated—40 points higher than the national sample (Table 1). The mean composite score varied across the racial/ethnic groups, with Asian students scoring 1094, White students scoring 1060, students identified as Two or More Races scoring 1042, Black or African American students scoring 875, and Hispanic/Latino students scoring 863, on average. For special service groups, the mean composite score was 843 for students receiving FARMS services, 817 for students receiving special education services, and 792 for students receiving LEP services.
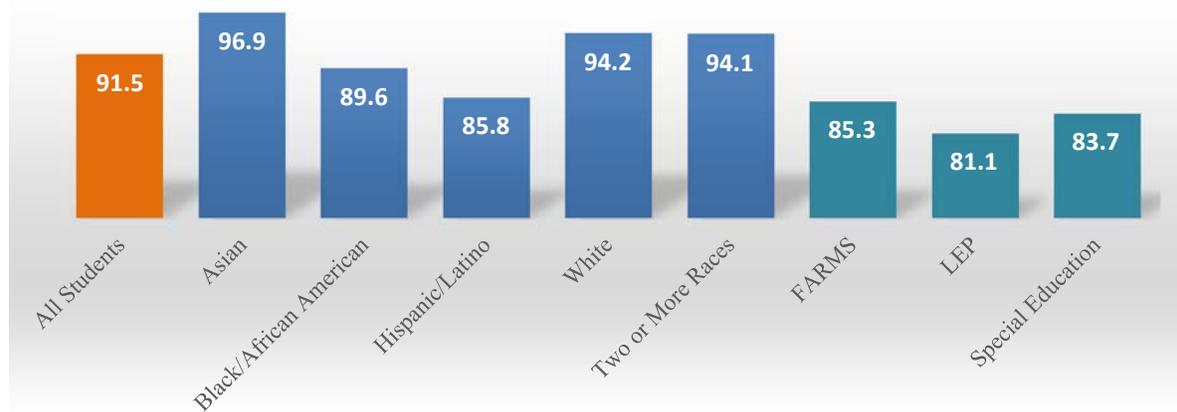

Figure 1. 2015–2016 PSAT participation rates of first-time Grade 10 students by student groups

2015–2016 Grade 10 PSAT Performance

Table 1
Participation Rates and Performance of MCPS First-time Grade 10 Students
Who Completed the PSAT in 2015–2016 by Student Subgroup

	N Students	% Took PSAT	N Composite Scores	Mean Composite Score	SD
All Students	10,859	91.5	9,531	979	200.23
Asian	1,659	96.9	1,568	1094	210.50
Black or African American	2,359	89.6	1,992	875	147.50
Hispanic/Latino	2,785	85.8	2,258	863	156.86
White	3,524	94.2	3,225	1060	175.14
Two or More Races	508	94.1	466	1042	197.25
Special Education	975	83.7	737	817	152.73
LEP	1,135	81.1	858	792	126.25
FARMS	2,686	85.3	2,156	843	138.51

Notes. Participation is calculated for students first-time enrolled as Grade 10 in October 2015, excluding students who were enrolled in special schools or in English for Speakers of Other Languages (ESOL) Levels 1 or 2 and students noted as Certificate curriculum. Performance is reported based on scores of students who indicated themselves as Grade 10 when they took the PSAT in 2015–2016. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. LEP = Limited English Proficient; FARMS = Free and Reduced-price Meals System. SD indicates standard deviation.

Mean scores for the EBRW and Math sections largely mirrored the results for the composite score across student groups (Table 2). Additionally, among all racial/ethnic groups, except for the Asian subgroup, a higher mean score was observed for EBRW than for Math. In contrast, students receiving special services had a higher mean score for Math than for EBRW.

Table 2
2015–2016 PSAT Performance of MCPS First-time Grade 10 Students
on Evidence-based Reading and Writing (EBRW) and Math and
Percentage of Students Identified to Have AP Potential by Student Subgroup

	N Composite Scores	Mean EBRW Score	SD	Mean Math Score	SD	% AP Potential
All Students	9,531	491	105.30	488	107.44	50.8
Asian	1,568	535	83.69	559	117.76	70.3
Black or Afr. American	1,992	441	88.56	434	78.99	27.8
Hispanic/Latino	2,258	432	94.67	431	83.82	24.4
White	3,225	537	105.21	523	95.15	71.8
Two or More Races	466	527	85.30	515	105.22	66.5
Special Education	737	403	59.93	415	81.67	16.7
LEP	858	385	75.02	407	84.46	9.2
FARMS	2,156	419	105.30	425	79.92	18.9

Notes. Participation is calculated for students first-time enrolled as Grade 10 in October 2015, excluding students who were enrolled in special schools or in ESOL Levels 1 or 2 and students noted as Certificate curriculum. Performance is reported based on scores of students who indicated themselves as Grade 10 when they took the PSAT in 2015–2016. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. LEP = Limited English Proficient; FARMS = Free and Reduced-price Meals System. AP Potential indicates probable success (scoring 3 or higher) on one or more core AP subjects. SD indicates standard deviation.

AP Potential Identified through 2015–2016 Grade 10 PSAT

PSAT scores yield data that help identify students enrolled in regular-level classes who have the potential to perform well in challenging courses, including Advanced Placement (AP) courses. The proportion of first-time Grade 10 students identified through the 2015–2016 PSAT to have potential for success in 1 or more of 19 core AP exams (e.g., exams related to English, mathematics, science, and social studies or history) is presented in Table 2 by student group. Many research studies conducted for the College Board (e.g., Zhang et al., 2014) have indicated that the PSAT score is more accurate than the high school Grade Point Average in predicting student AP exam performance, especially AP exams related to core subjects. Based on the research studies that indicated meaningful correlations between PSAT scores and AP exam scores, AP potential is defined as a 60 percent probability of a student scoring a 3 or higher on a given AP exam. Although AP potential may help identify students likely to succeed on AP exams, it should be used as a criterion along with other important factors, including student motivation and preparation, parental support, and teacher efficacy. MCPS has been making efforts to expand the pool of students exposed to AP classes, reviewing indicators beyond PSAT scores when placing students in AP classes, and also encouraging students who missed the PSAT but are performing well in general to take AP classes.

Among MCPS first-time Grade 10 students in 2015–2016, slightly more than one half demonstrated AP potential on one or more AP exams related to core subjects, with differences being observed between racial/ethnic groups (Table 2). More than 70 percent of Asian and White students and almost two-thirds of students identified as Two or More Races were indicated to have AP potential, while 27.8 percent Black or African American and 24.4 percent Hispanic/Latino students earned scores that indicated AP potential. Specifically, the gaps in identification for AP potential between Black or African American and Hispanic/Latino students and their Asian and White peers were up 47 percentage points. The gaps also were observed between students receiving special services and their peers, with less than 20 percent of students across special service groups identified to have AP potential.

The attached tables provide additional data about the 2015–2016 Grade 10 PSAT participation and performance, and identification of AP potential by school and student group. If you have any questions, please contact Dr. Kecia L. Addison, supervisor, Applied Research Unit, Office of Shared Accountability, at 301-279-3194 or via e-mail.

SFM:hw:mp

Attachments

Executive Staff
  Mrs. Collins
  Dr. Addison
  Dr. Steinberg
  Mr. Koutsos
  Mr. Lloyd
  Dr. Wang
  High School Administrative Secretaries

Table A1

Participation Rate, Performance on Composite Score, Evidence-base Reading and Writing (EBRW) and Math Sections
and AP Potential of MCPS First-Time Grade 10 Students Who Completed the PSAT in 2015−2016 by School

High School	N	% Took PSAT	N^a	Composite Score Mean	SD	EBRW Mean	SD	Math Mean	SD	% AP Potential
All	10,859	91.5	9,531	979	200.23	491	105.80	488	107.44	50.8
Bethesda-Chevy Chase	504	94.4	468	1056	168.23	540	93.50	516	88.43	71.6
Blair	661	93.8	585	1029	253.15	511	126.99	518	135.83	53.7
Blake	344	89.0	296	911	160.86	463	94.22	448	81.64	38.5
Churchill	470	92.8	429	1120	185.23	548	93.71	572	105.23	78.1
Clarksburg	480	91.0	424	924	157.80	466	87.91	458	83.92	40.6
Damascus	301	97.3	286	968	162.53	486	85.83	482	90.73	49.0
Einstein	396	89.6	351	906	170.26	458	100.01	447	86.73	35.9
Gaithersburg	500	85.0	421	863	163.16	437	91.19	426	87.04	29.7
Johnson	537	94.8	465	1054	176.50	532	99.35	522	94.02	69.0
Kennedy	367	81.2	290	846	131.88	426	81.27	420	68.06	22.1
Magruder	342	93.3	309	947	174.21	477	93.98	470	95.72	46.6
Montgomery	559	91.4	495	1056	224.81	528	116.28	527	119.78	62.0
Northwest	586	95.9	537	934	177.48	465	95.15	469	95.84	42.6
Northwood	359	88.3	302	861	149.26	437	92.55	425	74.47	25.2
Paint Branch	432	96.3	398	907	147.24	452	77.76	455	84.47	35.2
Poolesville	318	97.5	309	1156	207.07	571	105.12	585	114.15	80.6
Quince Orchard	459	91.3	403	972	171.37	484	94.71	488	91.43	52.9
Rockville	325	90.2	278	938	177.17	477	97.22	461	95.16	41.7
Seneca Valley	303	86.8	256	899	143.44	454	83.52	445	76.35	35.5
Sherwood	422	93.6	382	998	173.86	506	97.06	493	90.58	62.6
Springbrook	435	91.7	357	902	172.15	450	93.21	452	92.13	33.3
Watkins Mill	371	80.1	271	845	154.46	427	86.96	418	86.16	22.5
Wheaton	351	90.9	295	909	182.43	446	95.78	463	98.85	31.9
Whitman	464	95.0	421	1116	171.65	562	94.35	553	95.20	81.5
Wootton	537	92.7	487	1106	181.37	551	88.68	555	105.73	75.8

Notes: Participation is calculated for students first-time enrolled as Grade 10 in October 2015, excluding students who were enrolled in special schools or in ESOL Levels 1 or 2 and students noted as Certificate curriculum. ᵃPerformance is reported on first-time grade 10 students who identified as Grade 10 on the PSAT test. AP Potential indicates probable success on one or more core AP subjects. First-time Grade 10 students enrolled in alternative schools are included in the all students, but not listed separately due to a small number of students. SD indicates standard deviation.

Table A2

Participation Rate of MCPS First-Time Grade 10 Students Who Completed the PSAT in 2015−2016 by School and Student Subgroup

	All		Asian		Black or African American		Hispanic/Latino		White		Two or More Races	
High School	*N*	*%*	*N*	*%*	*N*	*%*	*N*	*%*	*N*	*%*	*N*	*%*
All	10,859	91.5	1,659	96.9	2,359	89.6	2,785	85.8	3,524	94.2	508	94.1
Bethesda-Chevy Chase	504	94.4	28	96.4	70	91.4	75	90.7	293	96.2	37	91.9
Blair	661	93.8	115	98.3	170	93.5	181	90.1	160	94.4	35	97.1
Blake	344	89.0	30	96.7	122	82.8	81	87.7	90	95.6	21	90.5
Churchill	470	92.8	124	96.8	34	85.3	45	93.3	242	92.1	25	88.0
Clarksburg	480	91.0	102	100.0	135	86.7	116	86.2	109	92.7	18	94.4
Damascus	301	97.3	18	100.0	30	96.7	54	92.6	181	98.3	16	100.0
Einstein	396	89.6	43	100.0	75	84.0	177	86.4	84	95.2	16	93.8
Gaithersburg	500	85.0	40	92.5	122	86.9	218	83.0	97	82.5	21	90.5
Johnson	537	94.8	65	96.9	57	93.0	86	87.2	296	97.0	31	96.8
Kennedy	367	81.2	32	87.5	119	85.7	188	75.0	18	100.0	--	--
Magruder	342	93.3	49	95.9	50	92.0	126	88.9	96	97.9	20	95.0
Montgomery	559	91.4	133	97.0	102	90.2	108	84.3	186	91.4	27	96.3
Northwest	586	95.9	114	98.2	167	93.4	117	95.7	161	96.3	27	100.0
Northwood	359	88.3	23	100.0	81	90.1	192	83.3	54	96.3	--	--
Paint Branch	432	96.3	70	97.1	242	95.5	59	96.6	38	97.4	21	100.0
Poolesville	318	97.5	86	100.0	24	91.7	23	100.0	163	96.3	20	100.0
Quince Orchard	459	91.3	57	100.0	73	90.4	101	84.2	200	93.0	28	89.3
Rockville	325	90.2	38	97.4	44	88.6	119	83.2	111	95.5	12	91.7
Seneca Valley	303	86.8	37	94.6	111	86.5	83	80.7	57	91.2	13	84.6
Sherwood	422	93.6	48	91.7	64	93.8	61	90.2	235	94.5	14	100.0
Springbrook	435	91.7	51	98.0	188	94.1	151	86.1	32	93.8	12	91.7
Watkins Mill	371	80.1	38	86.8	115	75.7	154	79.2	45	86.7	19	84.2
Wheaton	351	90.9	40	97.5	106	94.3	166	86.7	31	93.5	--	--
Whitman	464	95.0	72	94.4	15	100.0	50	98.0	298	94.3	27	96.3
Wootton	537	92.7	204	96.6	34	79.4	42	88.1	235	91.9	21	95.2

Continued

Table A2

Participation Rates of MCPS First-Time Grade 10 Students Who Completed the PSAT in 2015–2016
by Schools and Student Subgroup

High School	All		Special Education		LEP		FARMS	
	N	%	N	%	N	%	N	%
All	10,859	91.5	975	83.7	1,135	81.1	2,686	85.3
Bethesda-Chevy Chase	504	94.4	44	88.6	28	85.7	45	86.7
Blair	661	93.8	40	92.5	94	89.4	221	90.5
Blake	344	89.0	32	71.9	25	92.0	94	83.0
Churchill	470	92.8	42	78.6	--	--	11	54.5
Clarksburg	480	91.0	38	73.7	37	75.7	119	84.9
Damascus	301	97.3	38	94.7	--	--	43	95.3
Einstein	396	89.6	44	86.4	62	82.3	163	85.9
Gaithersburg	500	85.0	52	75.0	92	87.0	186	79.6
Johnson	537	94.8	52	96.2	50	76.0	38	86.8
Kennedy	367	81.2	36	61.1	67	67.2	169	77.5
Magruder	342	93.3	29	93.1	36	94.4	107	85.0
Montgomery	559	91.4	41	85.4	59	76.3	91	89.0
Northwest	586	95.9	59	91.5	19	94.7	137	92.7
Northwood	359	88.3	32	75.0	81	81.5	172	87.2
Paint Branch	432	96.3	29	96.6	28	100.0	135	91.9
Poolesville	318	97.5	17	82.4	--	--	18	83.3
Quince Orchard	459	91.3	39	79.5	50	90.0	97	84.5
Rockville	325	90.2	37	89.2	39	79.5	93	84.9
Seneca Valley	303	86.8	28	78.6	42	78.6	118	83.9
Sherwood	422	93.6	45	88.9	32	65.6	67	86.6
Springbrook	435	91.7	32	90.6	73	84.9	175	90.9
Watkins Mill	371	80.1	38	76.3	78	73.1	177	76.8
Wheaton	351	90.9	39	87.2	72	79.2	158	86.7
Whitman	464	95.0	34	79.4	37	81.1	--	--
Wootton	537	92.7	32	84.4	21	47.6	30	83.3

Notes: Participation is calculated for students first-time enrolled as Grade 10 in October 2015, excluding students who were enrolled in special schools or in ESOL Levels 1 or 2 and students noted as Certificate curriculum. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. LEP =Limited English Proficiency; FARMS=Free and Reduced-price Meals System. First-time Grade 10 students enrolled in alternative schools are included in the all students, but not listed separately due to a small number of students. SD indicates standard deviation. Results are not reported (--) for groups with fewer than 10 students.

Table A3

Composite Score of MCPS First-Time Grade 10 Students in 2015–2016 by School and Student Subgroup

High School	All			Asian			Black/African American			Hispanic/Latino			White			Two or More Races		
	N	Mean Score	SD	N	Mean Score	SD	N	Mean Score	SD	N	Mean Score	SD	N	Mean Score	SD	N	Mean Score	SD
All	9,531	979	200.23	1,568	1094	210.50	1,992	875	147.50	2,258	863	156.86	3,225	1060	175.14	466	1042	197.25
Bethesda-Chevy Chase	468	1056	168.23	27	1099	169.36	61	910	140.93	66	983	179.86	279	1097	148.22	34	1099	151.04
Blair	585	1029	253.15	110	1209	260.83	149	880	160.10	148	855	145.73	149	1195	197.86	29	1153	218.58
Blake	296	911	160.86	29	875	152.33	97	863	124.84	69	878	141.32	83	980	171.98	18	1037	199.88
Churchill	429	1120	185.23	120	1226	169.35	28	973	145.52	40	1060	181.72	219	1084	171.94	22	1187	152.42
Clarksburg	424	924	157.80	101	1013	156.18	112	864	141.01	97	855	130.34	97	970	148.11	17	919	132.42
Damascus	286	968	162.53	17	1128	144.45	29	872	149.75	49	890	130.91	173	988	156.80	16	970	160.33
Einstein	351	906	170.26	43	941	149.93	62	858	137.66	150	826	113.01	80	1067	160.14	15	947	245.93
Gaithersburg	421	863	163.16	36	989	170.26	106	832	132.08	180	798	139.43	78	982	141.28	19	925	193.46
Johnson	465	1054	176.50	59	1107	177.66	49	923	148.09	65	962	187.63	261	1080	158.73	30	1148	160.09
Kennedy	290	846	131.88	27	912	124.84	100	845	139.73	136	819	108.05	18	952	181.70	--	--	--
Magruder	309	947	174.21	45	1029	189.48	44	865	141.74	108	862	146.92	93	1035	151.58	19	988	136.56
Montgomery	495	1056	224.81	123	1176	234.63	88	909	180.64	89	927	178.88	166	1113	187.80	26	1049	193.19
Northwest	537	934	177.48	108	1036	172.87	146	848	134.24	107	843	151.32	149	994	167.97	27	1016	160.46
Northwood	302	861	149.26	23	893	157.35	67	847	125.52	152	808	118.69	51	1006	150.07	--	--	--
Paint Branch	398	907	147.24	67	955	143.20	219	891	144.09	54	862	129.11	36	947	147.33	20	971	181.30
Poolesville	309	1156	207.07	86	1303	124.80	22	1058	205.29	22	1097	209.86	157	1098	202.30	20	1187	187.29
Quince Orchard	403	972	171.37	55	1017	169.25	61	888	144.95	80	883	156.30	182	1031	157.08	25	939	178.19
Rockville	278	938	177.17	36	970	156.80	36	872	122.91	92	832	137.00	103	1022	161.85	10	1182	204.66
Seneca Valley	256	899	143.44	35	969	143.09	93	850	122.66	65	857	118.77	50	980	150.97	11	982	154.46
Sherwood	382	998	173.86	43	1051	165.91	58	859	113.03	51	920	165.00	216	1044	165.03	14	993	175.04
Springbrook	357	902	172.15	48	1007	175.26	155	879	148.38	113	833	138.06	30	1093	172.19	10	970	216.59
Watkins Mill	271	845	154.46	31	908	190.57	78	808	135.42	110	807	124.92	38	966	166.86	14	877	138.70
Wheaton	295	909	182.43	37	1059	171.43	90	902	160.34	133	836	144.79	29	1051	199.29	--	--	--
Whitman	421	1116	171.65	67	1169	164.74	15	1020	172.21	47	1041	171.32	264	1120	169.06	26	1125	166.19
Wootton	487	1106	181.37	193	1180	173.28	25	926	144.07	33	974	196.78	215	1080	157.62	20	1117	172.82

Continued

Table A3

Composite Score of MCPS First-Time Grade 10 Students in 2015–2016 by School and Student Subgroup

High School	All			Special Education			LEP			FARMS		
	N	Mean Score	SD	*N*	Mean Score	SD	*N*	Mean Score	SD	*N*	Mean Score	SD
All	9,531	979	200.23	737	817	152.73	858	792	126.25	2,156	843	138.51
Bethesda-Chevy Chase	468	1056	168.23	38	881	140.70	24	851	147.92	37	877	154.45
Blair	585	1029	253.15	32	863	213.85	76	782	105.00	185	847	144.47
Blake	296	911	160.86	22	794	133.62	23	784	90.34	75	835	114.75
Churchill	429	1120	185.23	30	846	200.11	--	--	--	--	--	--
Clarksburg	424	924	157.80	27	760	113.49	25	760	118.44	99	850	122.35
Damascus	286	968	162.53	35	816	117.45	--	--	--	41	866	135.74
Einstein	351	906	170.26	36	787	119.73	49	768	80.09	138	830	113.77
Gaithersburg	421	863	163.16	39	738	113.67	78	726	99.59	147	801	134.24
Johnson	465	1054	176.50	40	921	188.63	35	921	130.99	30	920	185.88
Kennedy	290	846	131.88	20	784	117.49	44	748	68.34	123	819	120.70
Magruder	309	947	174.21	25	769	95.15	34	763	112.38	89	847	137.16
Montgomery	495	1056	224.81	31	815	146.33	43	874	142.06	77	861	163.76
Northwest	537	934	177.48	50	803	122.00	17	812	123.16	118	829	136.02
Northwood	302	861	149.26	23	759	165.68	60	749	92.14	141	825	111.25
Paint Branch	398	907	147.24	25	755	139.91	27	778	108.98	119	860	135.69
Poolesville	309	1156	207.07	14	906	206.35	--	--	--	15	1037	209.71
Quince Orchard	403	972	171.37	30	804	134.38	38	821	130.13	79	859	150.32
Rockville	278	938	177.17	28	813	118.94	27	783	104.62	75	823	129.41
Seneca Valley	256	899	143.44	21	778	114.32	32	792	105.30	96	856	134.93
Sherwood	382	998	173.86	38	825	149.17	20	810	132.76	53	876	154.60
Springbrook	357	902	172.15	17	801	120.13	55	744	82.07	139	852	140.82
Watkins Mill	271	845	154.46	22	770	124.21	51	739	93.97	120	808	118.04
Wheaton	295	909	182.43	29	779	133.90	56	786	78.88	121	840	133.94
Whitman	421	1116	171.65	24	965	184.08	28	991	182.10	--	--	--
Wootton	487	1106	181.37	25	868	125.97	--	--	--	23	1007	181.49

Notes: Performance is reported on first-time grade 10 students who identified as Grade 10 on the PSAT test, excluding students who were enrolled in special schools or in ESOL Levels 1 or 2 and students noted as Certificate curriculum. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. LEP =Limited English Proficiency; FARMS=Free and Reduced-price Meals System. First-time Grade 10 students enrolled in alternative schools are included in the all students, but not listed separately due to a small number of students. SD indicates standard deviation. Results are not reported (--) for groups with fewer than 10 students.

Table A4

Evidence-based Reading and Writing (EBRW) Section Score of MCPS First-Time Grade 10 Students Who Completed the PSAT in 2015–2016
by School and Student Subgroup

High School	All			Asian			Black/African American			Hispanic/Latino			White			Two or More Races		
	N	Mean Score	SD	N	Mean Score	SD	N	Mean Score	SD	N	Mean Score	SD	N	Mean Score	SD	N	Mean Score	SD
All	9,531	491	105.80	1,568	535	105.30	1,992	441	83.69	2,258	432	88.56	3,225	537	94.67	466	527	105.21
Bethesda-Chevy Chase	468	540	93.50	27	562	90.73	61	456	82.27	66	500	96.67	279	563	81.44	34	569	88.01
Blair	585	511	126.99	110	585	125.99	149	442	90.03	148	423	85.01	149	601	93.67	29	576	109.11
Blake	296	463	94.22	29	433	86.03	97	434	72.22	69	441	81.91	83	507	100.87	18	549	104.23
Churchill	429	548	93.71	120	587	85.24	28	482	80.46	40	527	107.47	219	536	89.60	22	576	84.71
Clarksburg	424	466	87.91	101	502	79.05	112	439	84.35	97	428	82.27	97	497	84.28	17	467	69.89
Damascus	286	486	85.83	17	542	94.42	29	443	69.28	49	450	78.23	173	497	83.40	16	484	89.21
Einstein	351	458	100.01	43	471	88.38	62	438	83.77	150	411	68.32	80	554	91.45	15	479	141.60
Gaithersburg	421	437	91.19	36	492	95.51	106	424	79.90	180	404	78.46	78	497	86.39	19	478	100.57
Johnson	465	532	99.35	59	538	93.80	49	465	82.79	65	479	109.12	261	550	90.65	30	588	92.91
Kennedy	290	426	81.27	27	450	73.69	100	429	89.87	136	410	65.04	18	499	106.08	--	--	--
Magruder	309	477	93.98	45	505	98.99	44	442	84.98	108	437	82.34	93	522	85.99	19	495	80.79
Montgomery	495	528	116.28	123	572	119.42	88	456	100.60	89	469	104.62	166	564	99.11	26	538	94.48
Northwest	537	465	95.15	108	512	86.46	146	424	77.68	107	419	82.87	149	497	95.10	27	510	85.93
Northwood	302	437	92.55	23	436	76.08	67	433	81.40	152	402	72.72	51	536	95.12	--	--	--
Paint Branch	398	452	77.76	67	460	73.93	219	448	78.32	54	432	61.69	36	483	82.76	20	476	97.95
Poolesville	309	571	105.12	86	628	67.06	22	528	111.34	22	547	107.94	157	547	108.79	20	602	93.56
Quince Orchard	403	484	94.71	55	494	93.84	61	447	82.51	80	442	86.91	182	516	88.95	25	457	103.87
Rockville	278	477	97.22	36	484	87.29	36	452	77.18	92	419	80.94	103	525	85.45	10	591	103.97
Seneca Valley	256	454	83.52	35	484	75.63	93	427	70.61	65	432	78.88	50	503	88.74	11	506	74.60
Sherwood	382	506	97.06	43	527	90.64	58	426	64.48	51	468	96.15	216	531	91.83	14	511	98.72
Springbrook	357	450	93.21	48	493	89.63	155	439	82.24	113	414	74.55	30	560	100.82	10	509	103.44
Watkins Mill	271	427	86.96	31	470	102.29	78	413	72.85	110	401	76.01	38	488	94.14	14	440	75.35
Wheaton	295	446	95.78	37	506	92.03	90	446	88.88	133	411	77.08	29	526	103.07	--	--	--
Whitman	421	562	94.35	67	559	104.79	15	519	92.39	47	528	94.49	264	569	91.18	26	587	86.29
Wootton	487	551	88.68	193	577	86.90	25	482	88.82	33	493	99.58	215	544	79.95	20	553	78.73

Continued

Table A4
Evidence-based Reading and Writing (EBRW) Section Score of MCPS First-Time Grade 10 Students Who Completed the PSAT in 2015–2016 by School and Student Subgroup

High School	All			Special Education			LEP			FARMS		
	N	Mean Score	SD	N	Mean Score	SD	N	Mean Score	SD	N	Mean Score	SD
All	9,531	491	105.80	737	403	85.30	858	385	59.93	2,156	419	75.02
Bethesda-Chevy Chase	468	540	93.50	38	444	85.92	24	413	74.56	37	432	88.92
Blair	585	511	126.99	32	428	104.90	76	378	49.78	185	416	74.70
Blake	296	463	94.22	22	386	77.25	23	383	49.47	75	420	72.16
Churchill	429	548	93.71	30	413	106.94	--	--	--	--	--	--
Clarksburg	424	466	87.91	27	376	56.44	25	368	71.82	99	431	71.15
Damascus	286	486	85.83	35	408	83.89	--	--	--	41	434	66.48
Einstein	351	458	100.01	36	395	77.29	49	373	33.69	138	411	67.07
Gaithersburg	421	437	91.19	39	363	73.70	78	361	43.89	147	398	70.65
Johnson	465	532	99.35	40	446	107.87	35	437	77.02	30	453	98.38
Kennedy	290	426	81.27	20	391	71.34	44	367	32.30	123	408	69.42
Magruder	309	477	93.98	25	372	42.65	34	385	51.06	89	423	74.67
Montgomery	495	528	116.28	31	409	81.19	43	412	61.56	77	426	90.80
Northwest	537	465	95.15	50	387	66.50	17	395	61.35	118	409	71.39
Northwood	302	437	92.55	23	368	78.26	60	368	62.93	141	415	67.94
Paint Branch	398	452	77.76	25	371	87.60	27	380	46.58	119	426	66.04
Poolesville	309	571	105.12	14	429	103.99	--	--	--	15	502	93.29
Quince Orchard	403	484	94.71	30	397	73.92	38	381	49.71	79	421	78.67
Rockville	278	477	97.22	28	404	78.23	27	391	57.74	75	409	74.65
Seneca Valley	256	454	83.52	21	374	72.70	32	386	49.64	96	428	78.41
Sherwood	382	506	97.06	38	409	87.39	20	414	74.43	53	436	82.12
Springbrook	357	450	93.21	17	382	58.69	55	371	44.69	139	424	74.17
Watkins Mill	271	427	86.96	22	379	76.28	51	366	57.73	120	404	71.83
Wheaton	295	446	95.78	29	376	64.39	56	376	39.01	121	408	71.68
Whitman	421	562	94.35	24	487	98.80	28	457	80.79	--	--	--
Wootton	487	551	88.68	25	434	70.00	--	--	--	23	484	90.39

Notes: Performance is reported on first–time grade 10 students who identified as Grade 10 on the PSAT test, excluding students who were enrolled in special schools or in ESOL Levels 1 or 2 and students noted as Certificate curriculum. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. LEP =Limited English Proficiency; FARMS=Free and Reduced-price Meals System. First–time Grade 10 students enrolled in alternative schools are included in the all students, but not listed separately due to a small number of students. SD indicates standard deviation. Results are not reported (--) for groups with fewer than 10 students.

Table A5

Math Section Score of MCPS First-Time Grade 10 Students Who Completed the PSAT in 2015–2016 by School and Student Subgroup

High School	All			Asian			Black/African American			Hispanic/Latino			White			Two or More Races		
	N	Mean Score	SD	N	Mean Score	SD	N	Mean Score	SD	N	Mean Score	SD	N	Mean Score	SD	N	Mean Score	SD
All	9531	488	107.44	1568	559	117.76	1992	434	78.99	2258	431	83.82	3225	523	95.15	466	515	105.22
Bethesda-Chevy Chase	468	516	88.43	27	537	88.95	61	455	73.45	66	482	97.67	279	534	82.14	34	530	77.54
Blair	585	518	135.83	110	624	140.87	149	438	83.94	148	432	78.41	149	594	115.30	29	578	124.17
Blake	296	448	81.64	29	442	80.27	97	429	66.65	69	438	75.66	83	474	87.77	18	488	111.38
Churchill	429	572	105.23	120	639	95.91	28	491	79.97	40	533	90.14	219	548	97.33	22	610	81.97
Clarksburg	424	458	83.92	101	511	92.31	112	425	70.02	97	427	64.90	97	473	76.69	17	452	75.44
Damascus	286	482	90.73	17	586	69.46	29	429	92.62	49	440	72.28	173	491	86.76	16	486	84.45
Einstein	351	447	86.73	43	471	84.36	62	420	77.88	150	415	64.34	80	513	85.95	15	467	113.54
Gaithersburg	421	426	87.04	36	497	93.92	106	408	69.04	180	395	76.55	78	485	73.85	19	447	108.43
Johnson	465	522	94.02	59	568	104.12	49	458	78.64	65	484	96.36	261	530	85.82	30	560	77.21
Kennedy	290	420	68.06	27	462	62.27	100	416	67.47	136	409	63.50	18	452	88.95	--	--	--
Magruder	309	470	95.72	45	524	102.19	44	423	71.95	108	424	87.62	93	513	80.51	19	493	68.48
Montgomery	495	527	119.78	123	603	126.83	88	452	90.12	89	458	88.53	166	549	100.50	26	510	108.46
Northwest	537	469	95.84	108	525	98.91	146	425	73.75	107	425	83.89	149	497	89.36	27	506	81.15
Northwood	302	425	74.47	23	457	93.38	67	414	62.28	152	406	63.86	51	469	76.21	--	--	--
Paint Branch	398	455	84.47	67	495	85.85	219	444	79.52	54	430	86.10	36	464	76.55	20	495	92.59
Poolesville	309	585	114.15	86	675	69.67	22	530	105.27	22	550	112.02	157	550	108.34	20	585	100.86
Quince Orchard	403	488	91.43	55	522	96.32	61	441	74.54	80	441	81.32	182	515	83.07	25	482	100.25
Rockville	278	461	95.16	36	486	84.87	36	420	69.01	92	414	73.54	103	497	94.12	10	591	105.67
Seneca Valley	256	445	76.35	35	485	93.13	93	424	66.84	65	425	57.99	50	476	77.69	11	475	92.02
Sherwood	382	493	90.58	43	523	90.68	58	433	65.38	51	452	83.24	216	513	88.29	14	482	84.78
Springbrook	357	452	92.13	48	514	98.56	155	441	82.09	113	420	75.86	30	533	86.82	10	461	124.32
Watkins Mill	271	418	86.16	31	438	106.09	78	395	78.02	110	406	75.98	38	478	83.46	14	437	86.15
Wheaton	295	463	98.85	37	554	91.87	90	456	89.43	133	425	79.39	29	525	102.53	--	--	--
Whitman	421	553	95.20	67	609	88.63	15	501	85.40	47	512	87.63	264	551	92.81	26	538	92.39
Wootton	487	555	105.73	193	603	99.14	25	445	78.00	33	480	108.93	215	535	90.99	20	564	110.95

Continued

Table A5

Math Section Score of MCPS First-Time Grade 10 Students Who Completed the PSAT in 2015–2016
by School and Student Subgroup

High School	All			Special Education			LEP			FARMS		
	N	Mean Score	SD	*N*	Mean Score	SD	*N*	Mean Score	SD	*N*	Mean Score	SD
All	9,531	488	107.44	737	415	81.67	858	407	84.46	2,156	425	79.92
Bethesda-Chevy Chase	468	516	88.43	38	436	72.80	24	439	85.12	37	445	76.25
Blair	585	518	135.83	32	435	117.64	76	404	72.43	185	431	84.34
Blake	296	448	81.64	22	408	67.16	23	401	63.34	75	414	58.32
Churchill	429	572	105.23	30	433	107.26	--	--	--	--	--	--
Clarksburg	424	458	83.92	27	384	69.02	25	392	76.12	99	419	70.06
Damascus	286	482	90.73	35	408	55.89	--	--	--	41	431	85.49
Einstein	351	447	86.73	36	393	58.86	49	394	62.35	138	420	69.59
Gaithersburg	421	426	87.04	39	375	55.43	78	365	75.79	147	403	79.46
Johnson	465	522	94.02	40	476	106.79	35	483	85.20	30	467	103.13
Kennedy	290	420	68.06	20	394	54.61	44	380	56.92	123	411	68.17
Magruder	309	470	95.72	25	396	64.22	34	378	75.67	89	424	78.71
Montgomery	495	527	119.78	31	406	73.74	43	462	96.59	77	434	85.40
Northwest	537	469	95.84	50	417	65.20	17	418	76.04	118	420	79.30
Northwood	302	425	74.47	23	390	95.42	60	381	59.09	141	410	66.14
Paint Branch	398	455	84.47	25	384	66.34	27	398	77.31	119	434	84.98
Poolesville	309	585	114.15	14	477	117.63	--	--	--	15	535	124.89
Quince Orchard	403	488	91.43	30	407	76.03	38	440	96.38	79	438	87.26
Rockville	278	461	95.16	28	409	52.98	27	392	60.47	75	415	68.54
Seneca Valley	256	445	76.35	21	404	54.27	32	407	73.91	96	428	71.52
Sherwood	382	493	90.58	38	415	81.03	20	396	72.43	53	441	86.97
Springbrook	357	452	92.13	17	418	72.74	55	373	57.26	139	428	81.23
Watkins Mill	271	418	86.16	22	391	66.25	51	374	62.16	120	404	73.69
Wheaton	295	463	98.85	29	403	79.33	56	409	59.78	121	431	78.42
Whitman	421	553	95.20	24	479	98.70	28	535	127.06	--	--	--
Wootton	487	555	107.44	25	433	72.09	--	--	--	23	523	97.39

Notes: Performance is reported on first–time grade 10 students who identified as Grade 10 on the PSAT test, excluding students who were enrolled in special schools or in ESOL Levels 1 or 2 and students noted as Certificate curriculum. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. LEP =Limited English Proficiency; FARMS=Free and Reduced-price Meals System. First–time Grade 10 students enrolled in alternative schools are included in the all students, but not listed separately due to a small number of students. SD indicates standard deviation. Results are not reported (--) for groups with fewer than 10 students.

Table A6

Percentage of First-Time Grade 10 Students Identified through 2015–2016 PSAT to Have AP Potential
by Schools and Student Subgroup

High School	All		Asian		Black or African American		Hispanic/Latino		White		Two or More Races	
	N	%	N	%	N	%	N	%	N	%	N	%
All	9,531	50.8	1,568	70.3	1,992	27.8	2,258	24.4	3,225	71.8	466	66.5
Bethesda-Chevy Chase	468	71.6	27	81.5	61	39.3	66	56.1	279	80.3	34	82.4
Blair	585	53.7	110	74.5	149	28.9	148	26.4	149	85.9	29	75.9
Blake	296	38.5	29	27.6	97	19.6	69	27.5	83	66.3	18	72.2
Churchill	429	78.1	120	94.2	28	46.4	40	62.5	219	75.3	22	86.4
Clarksburg	424	40.6	101	61.4	112	28.6	97	17.5	97	54.6	17	47.1
Damascus	286	49.0	17	88.2	29	20.7	49	24.5	173	56.1	16	50.0
Einstein	351	35.9	43	41.9	62	25.8	150	16.0	80	75.0	15	53.3
Gaithersburg	421	29.7	36	52.8	106	23.6	180	15.0	78	57.7	19	47.4
Johnson	465	69.0	59	81.4	49	40.8	65	43.1	261	75.9	30	90.0
Kennedy	290	22.1	27	37.0	100	24.0	136	12.5	18	55.6	--	-
Magruder	309	46.6	45	60.0	44	31.8	108	26.9	93	66.7	19	63.2
Montgomery	495	62.0	123	74.8	88	40.9	89	34.8	166	77.1	26	69.2
Northwest	537	42.6	108	66.7	146	21.2	107	21.5	149	59.1	27	55.6
Northwood	302	25.2	23	21.7	67	20.9	152	10.5	51	70.6	--	--
Paint Branch	398	35.2	67	41.8	219	33.3	54	24.1	36	44.4	20	50.0
Poolesville	309	80.6	86	98.8	22	68.2	22	77.3	157	73.2	20	85.0
Quince Orchard	403	52.9	55	67.3	61	26.2	80	30.0	182	68.1	25	48.0
Rockville	278	41.7	36	47.2	36	22.2	92	16.3	103	65.0	10	90.0
Seneca Valley	256	35.5	35	57.1	93	18.3	65	27.7	50	60.0	11	54.5
Sherwood	382	62.6	43	69.8	58	19.0	51	43.1	216	77.3	14	64.3
Springbrook	357	33.3	48	58.3	155	27.7	113	15.0	30	83.3	10	60.0
Watkins Mill	271	22.5	31	41.9	78	11.5	110	12.7	38	55.3	14	28.6
Wheaton	295	31.9	37	67.6	90	28.9	133	15.0	29	65.5	--	--
Whitman	421	81.5	67	88.1	15	60.0	47	74.5	264	81.8	26	84.6
Wootton	487	75.8	193	86.5	25	40.0	33	33.3	215	76.3	20	80.0

Continued

Table A6

Percentage of First-Time Grade 10 Students Identified through 2015–2016 PSAT to Have AP Potential
by School and Student Subgroup

	All		Special Education		LEP		FARMS	
High School	*N*	*%*	*N*	*%*	*N*	*%*	*N*	*%*
All	9,531	50.8	737	16.7	858	9.2	2,156	18.9
Bethesda-Chevy Chase	468	71.6	38	26.3	24	20.8	37	29.7
Blair	585	53.7	32	21.9	76	5.3	185	22.7
Blake	296	38.5	22	18.2	23	≤5.0	75	14.7
Churchill	429	78.1	30	23.3	--	--	--	--
Clarksburg	424	40.6	27	≤5.0	25	8.0	99	25.3
Damascus	286	49.0	35	14.3	--	--	41	19.5
Einstein	351	35.9	36	11.1	49	≤5.0	138	16.7
Gaithersburg	421	29.7	39	7.7	78	≤5.0	147	14.3
Johnson	465	69.0	40	40.0	35	34.3	30	36.7
Kennedy	290	22.1	20	10.0	44	≤5.0	123	15.4
Magruder	309	46.6	25	≤5.0	34	≤5.0	89	20.2
Montgomery	495	62.0	31	16.1	43	20.9	77	20.8
Northwest	537	42.6	50	12.0	17	11.8	118	15.3
Northwood	302	25.2	23	≤5.0	60	≤5.0	141	12.1
Paint Branch	398	35.2	25	≤5.0	27	7.4	119	21.0
Poolesville	309	80.6	14	28.6	--	--	15	60.0
Quince Orchard	403	52.9	30	13.3	38	18.4	79	21.5
Rockville	278	41.7	28	10.7	27	11.1	75	12.0
Seneca Valley	256	35.5	21	≤5.0	32	≤5.0	96	22.9
Sherwood	382	62.6	38	21.1	20	20.0	53	26.4
Springbrook	357	33.3	17	17.6	55	≤5.0	139	18.0
Watkins Mill	271	22.5	22	9.1	51	≤5.0	120	11.7
Wheaton	295	31.9	29	13.8	56	5.4	121	16.5
Whitman	421	81.5	24	58.3	28	46.4	--	--
Wootton	487	75.8	25	20.0	--	--	23	43.5

Notes: AP Potential is reported on first–time grade 10 students who identified as Grade 10 on the PSAT test, excluding students who were enrolled in special schools or in ESOL Levels 1 or 2 and students noted as Certificate curriculum. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. LEP =Limited English Proficiency; FARMS=Free and Reduced-price Meals System. First–time Grade 10 students enrolled in alternative schools are included in the all students, but not listed separately due to small number of students. AP Potential indicates probable success (scoring 3 or higher) on one or more core AP subject exams. Results are not reported (--) for groups with fewer than 10 students. Percentages less than or equal to 5 are not reported.