

The Howard County Public School System

Route 108 Ellicott City, Maryland 21042-6198 (410) 313-6600



September 1, 2005

To: Board of Education Members

From: Sydney Cousin
Superintendent

Subject: SAT Results for the Class of 2005

The College Board released its national report on SAT performance for college-bound seniors in the graduating class of 2005. This report presents data for high school graduates in the year 2005 who participated in the SAT program by summarizing performance based on the latest and most recent SAT score of these graduates.

According to the College Board report, Howard County graduates in 2005 achieved outstanding performance with an average score of 552 for the verbal reasoning test and an average score of 561 for the mathematics reasoning test. This composite score of 1113 is the highest in our school system's history, and an improvement of 16 points over the 2004 composite score of 1097. The performance of our students is also markedly above the national average of 508 for verbal and 520 for mathematics, and the state average of 511 for verbal and 515 for mathematics.

The report generated for the College Board is based on self-report data from students participating in the SAT program. Any errors in the self-report data are difficult for the College Board to recognize or correct. However, when we receive the data file from the College Board, we are able to confirm that the students are actually enrolled in the Howard County Public School System (HCPSS), to eliminate duplicate records, and to correct errors in demographic information or school of attendance. Therefore, we are more confident in presenting data, particularly trend data, on the SAT using our own files. The remainder of this briefing will present information from the HCPSS analysis of SAT data.

Trend Performance

There has been steady growth in SAT performance and participation since 2002 as presented in Table 1. The 2005 results represent the largest number of SAT participants and the highest average scores ever for HCPSS.

Table 1: Average SAT Scale Scores for HCPSS

	Class of 2002	Class of 2003	Class of 2004	Class of 2005	Change from 2004 to 2005
Students Participating	1854	2259	2443	2562	+119
Verbal	532	539	540	553	+13
Mathematics	550	554	554	562	+8
Composite	1082	1093	1094	1115	+21

A similar pattern of improvement in SAT performance over three years occurred in every high school. Table 2 provides a summary of participation rates and performance trends for each high school from 2003 to 2005.

Table 2: Participation Rates and Average SAT Scores by School

	Participation Rate			Verbal Mean Score			Mathematics Mean Score			Composite Mean Score		
	03	04	05	03	04	05	03	04	05	03	04	05
Atholton	64	65	74	533	517	572	551	531	573	1083	1048	1144
Centennial	89	84	82	587	578	582	606	598	595	1193	1176	1178
Glenelg	80	80	79	547	541	563	554	552	567	1102	1094	1131
Hammond	69	72	61	522	529	549	533	529	544	1056	1058	1093
Howard	62	68	62	520	525	529	529	533	540	1050	1058	1068
Long Reach	70	67	69	504	512	525	520	533	536	1024	1045	1062
Mt. Hebron	76	75	71	531	546	564	559	567	573	1090	1112	1138
Oakland Mills	71	71	64	527	535	530	534	532	531	1061	1066	1061
Reservoir	NA	NA	66	NA	NA	531	NA	NA	537	NA	NA	1068
River Hill	86	88	83	557	554	559	580	579	583	1137	1133	1142
Wilde Lake	70	70	68	539	540	549	541	552	548	1079	1091	1097

The performance of our high schools is even more impressive when considered from a national and state perspective. Every one of our high schools in 2005 had a verbal mean score above the national average of 508 and the state average of 511. This was also true for mathematics, where every high school had a mean score above the national average of 520 and the state average of 515.

Performance by Student Groups

The performance of HCPSS for nearly every racial/ethnic group exceeded state and national averages for the graduating class of 2005 as shown in the figures below.

Figure 1: SAT Verbal Mean Score 2005 Results by Student Group

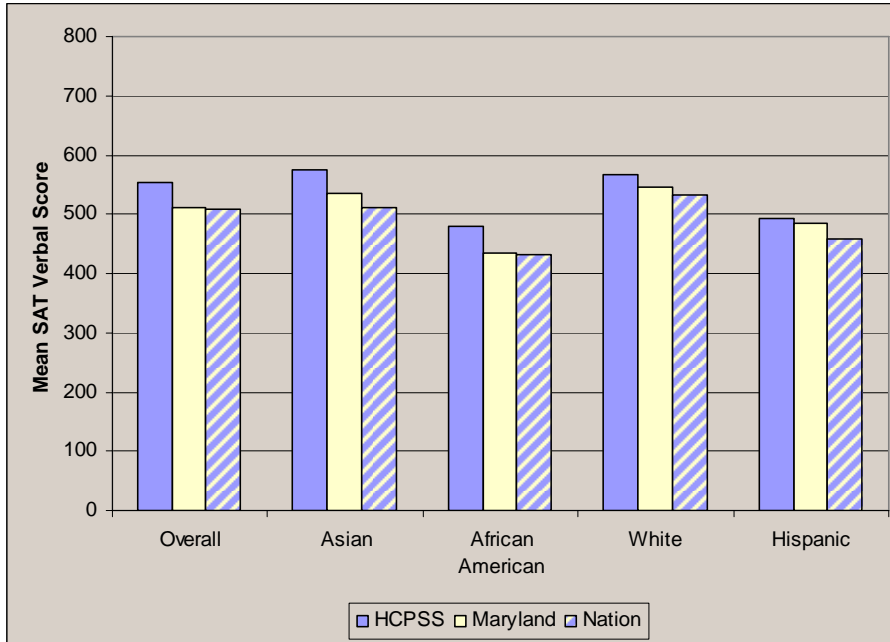
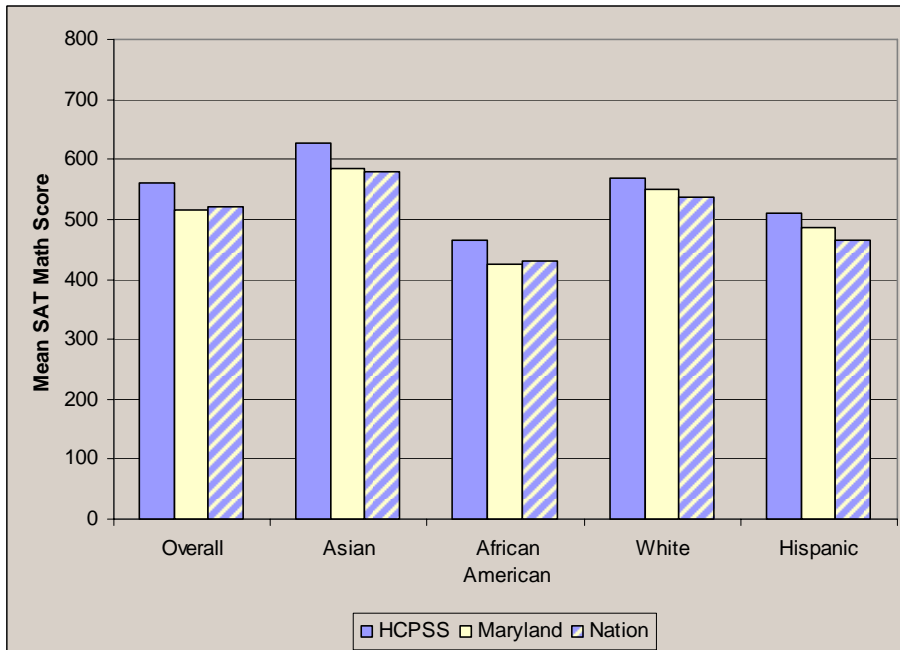


Figure 2: SAT Mathematics Mean Score 2005 Results by Student Group



Examining trend data for all racial/ethnic student groups reveals that growth has occurred since 2003 for every racial/ethnic student group in both verbal and mathematics average scores. There has also been an increase in the number of students participating since

2003 for each racial/ethnic group. Table 3 includes the trend data for these groups on the verbal SAT and Table 4 presents the trend data for mathematics.

Table 3: Trend Performance on the Verbal SAT

	2003	2004	2005	Change from 2003 to 2005
Overall	539	540	553	+14
Male	539	541	557	+18
Female	539	540	550	+11
Asian	548	541	575	+27
African American	474	463	479	+5
White	551	556	566	+15
Hispanic	469	520	493	+24
American Indian	*	*	*	*

*Fewer than 5 students.

Table 4: Trend Performance on the Mathematics SAT

	2003	2004	2005	Change from 2003 to 2005
Overall	554	555	562	+8
Male	573	572	579	+6
Female	538	538	546	+8
Asian	625	610	626	+1
African American	460	459	465	+5
White	561	564	570	+9
Hispanic	490	536	510	+20
American Indian	*	*	*	*

*Fewer than 5 students.

The results for every student group at each high school in 2005 are included as an attachment to this briefing. Additional reports can be found on the HCPSS data reporting system, Open District Wizard.

Summary and Future Direction

The performance by HCPSS graduates in the Class of 2005 are noteworthy and an accomplishment of which to be proud. Strategic initiatives implemented over the last three years coupled with the hard work of our students, parents, and staff have brought us these impressive scores. However, there is still work to be done to achieve the high standards we have set for ourselves in the *Bridge to Excellence* plan. Staff members will continue to examine the data, to study research, and to design improvement plans at the school and system level to continue to produce high performance for every child.

This report for 2005 marks the end of the SAT reporting of only verbal and mathematics scores with a maximum composite score of 1600. With the implementation of the

College Board's new SAT since March 2005, future reports will include scores for critical reading, mathematics, and writing with a maximum composite score of 2400. It is not yet clear how the College Board will approach trend reports with the implementation of the new SAT.

More information about the HCPSS performance on the SAT relative to the standards and indicators established in the *Bridge to Excellence* plan will be presented at a future Board of Education meeting. If you have any additional questions about the SAT results, please contact either Sandra Erickson at 410-313-1541 or Terry Alban at 410-313-6685.

TD/td

Attachments

cc:	Sandra Erickson	Jackie Conarton	Dan Michaels
	Linda Wise	Marie DeAngelis	Maureen Mirabito
	Bob Glascock	Clarissa Evans	Earl Slacum
	Dave Bruzga	Diane Martin	Jim Walsh
	Cheryl Carnahan	Marion Miller	Patti Caplan

System Indicators and State Standards Report
SAT Mean Score Trends by Subgroup
Atholton High School

		SY2003	SY2004	SY2005
Overall	Tested	178	206	188
	Verbal	533	517	572
	Mathematics	551	531	573
	Composite	1083	1048	1144
Male	Tested	69	96	90
	Verbal	541	533	577
	Mathematics	568	557	583
	Composite	1109	1089	1159
Female	Tested	109	110	98
	Verbal	527	504	567
	Mathematics	539	509	563
	Composite	1066	1013	1130
Asian	Tested	21	15	26
	Verbal	555	503	619
	Mathematics	622	549	633
	Composite	1177	1052	1252
African American	Tested	29	39	20
	Verbal	451	445	474
	Mathematics	447	458	445
	Composite	898	903	919
White	Tested	125	145	135
	Verbal	550	538	579
	Mathematics	564	549	583
	Composite	1114	1088	1162
Hispanic	Tested	2	7	7
	Verbal	435	506	531
	Mathematics	485	533	514
	Composite	920	1039	1046
FARMS	Tested	5	12	3
	Verbal	428	458	440
	Mathematics	438	463	350
	Composite	866	921	790
Special Ed	Tested	6	5	10
	Verbal	468	394	498
	Mathematics	503	358	487
	Composite	972	752	985

System Indicators and State Standards Report
SAT Mean Score Trends by Subgroup
Centennial High School

		SY2003	SY2004	SY2005
Overall	Tested	254	266	342
	Verbal	587	578	582
	Mathematics	606	598	595
	Composite	1193	1176	1178
Male	Tested	132	127	177
	Verbal	586	584	585
	Mathematics	633	625	610
	Composite	1218	1209	1195
Female	Tested	122	139	165
	Verbal	588	572	580
	Mathematics	577	573	580
	Composite	1165	1146	1159
Asian	Tested	58	64	84
	Verbal	623	586	624
	Mathematics	671	654	656
	Composite	1293	1240	1280
African American	Tested	10	9	20
	Verbal	529	500	475
	Mathematics	512	493	472
	Composite	1041	993	946
White	Tested	185	188	236
	Verbal	579	580	578
	Mathematics	591	585	585
	Composite	1170	1165	1163
Hispanic	Tested	1	5	2
	Verbal	520	538	475
	Mathematics	530	562	535
	Composite	1050	1100	1010
FARMS	Tested	1	3	3
	Verbal	530	487	433
	Mathematics	580	523	450
	Composite	1110	1010	883
Special Ed	Tested	3	8	13
	Verbal	493	491	502
	Mathematics	537	488	449
	Composite	1030	979	951

System Indicators and State Standards Report
SAT Mean Score Trends by Subgroup
Glenelg High School

		SY2003	SY2004	SY2005
Overall	Tested	209	229	228
	Verbal	547	541	563
	Mathematics	554	552	567
	Composite	1102	1094	1131
Male	Tested	102	112	103
	Verbal	538	524	579
	Mathematics	563	556	597
	Composite	1102	1080	1176
Female	Tested	107	117	125
	Verbal	556	558	551
	Mathematics	546	549	543
	Composite	1102	1107	1094
Asian	Tested	6	7	5
	Verbal	598	594	586
	Mathematics	628	639	634
	Composite	1227	1233	1220
African American	Tested	5	5	6
	Verbal	416	530	482
	Mathematics	442	498	470
	Composite	858	1028	952
White	Tested	197	215	214
	Verbal	550	540	566
	Mathematics	556	550	569
	Composite	1105	1091	1135
Hispanic	Tested	1	2	3
	Verbal	430	530	517
	Mathematics	400	590	543
	Composite	830	1120	1060
FARMS	Tested	2	0	3
	Verbal	525	0	560
	Mathematics	445	0	570
	Composite	970	0	1130
Special Ed	Tested	5	13	10
	Verbal	496	408	486
	Mathematics	486	417	470
	Composite	982	825	956

System Indicators and State Standards Report
SAT Mean Score Trends by Subgroup
Hammond High School

		SY2003	SY2004	SY2005
Overall	Tested	190	228	183
	Verbal	522	529	549
	Mathematics	534	529	544
	Composite	1056	1058	1093
Male	Tested	90	101	75
	Verbal	522	536	563
	Mathematics	559	550	572
	Composite	1081	1086	1135
Female	Tested	100	127	108
	Verbal	522	524	539
	Mathematics	511	512	525
	Composite	1033	1036	1064
Asian	Tested	14	19	14
	Verbal	499	526	549
	Mathematics	632	546	588
	Composite	1131	1072	1136
African American	Tested	30	53	31
	Verbal	476	463	449
	Mathematics	453	450	433
	Composite	929	914	882
White	Tested	142	152	133
	Verbal	535	554	574
	Mathematics	544	555	568
	Composite	1079	1109	1142
Hispanic	Tested	3	4	5
	Verbal	490	475	492
	Mathematics	453	500	486
	Composite	943	975	978
FARMS	Tested	9	11	6
	Verbal	434	426	413
	Mathematics	464	415	442
	Composite	899	842	855
Special Ed	Tested	0	5	2
	Verbal	0	472	495
	Mathematics	0	454	415
	Composite	0	926	910

System Indicators and State Standards Report
SAT Mean Score Trends by Subgroup
Howard High School

		SY2003	SY2004	SY2005
Overall	Tested	190	184	165
	Verbal	520	525	529
	Mathematics	529	533	540
	Composite	1050	1058	1068
Male	Tested	79	81	90
	Verbal	507	516	508
	Mathematics	537	548	538
	Composite	1044	1064	1046
Female	Tested	111	103	75
	Verbal	530	533	553
	Mathematics	524	521	542
	Composite	1053	1054	1096
Asian	Tested	14	25	11
	Verbal	620	550	525
	Mathematics	641	630	566
	Composite	1261	1180	1092
African American	Tested	33	28	33
	Verbal	452	441	479
	Mathematics	452	427	469
	Composite	905	868	948
White	Tested	143	127	118
	Verbal	526	538	543
	Mathematics	536	537	557
	Composite	1062	1075	1100
Hispanic	Tested	0	3	3
	Verbal	0	587	530
	Mathematics	0	590	540
	Composite	0	1177	1070
FARMS	Tested	4	12	6
	Verbal	473	454	435
	Mathematics	410	461	417
	Composite	883	915	852
Special Ed	Tested	2	3	6
	Verbal	355	300	438
	Mathematics	345	320	462
	Composite	700	620	900

System Indicators and State Standards Report
SAT Mean Score Trends by Subgroup
Long Reach High School

		SY2003	SY2004	SY2005
Overall	Tested	218	226	235
	Verbal	504	512	525
	Mathematics	520	533	536
	Composite	1024	1045	1062
Male	Tested	87	121	109
	Verbal	514	521	526
	Mathematics	533	558	554
	Composite	1047	1079	1080
Female	Tested	131	105	126
	Verbal	497	502	525
	Mathematics	511	503	521
	Composite	1009	1006	1046
Asian	Tested	30	37	34
	Verbal	489	497	516
	Mathematics	590	575	592
	Composite	1079	1072	1109
African American	Tested	55	63	69
	Verbal	470	457	485
	Mathematics	467	464	483
	Composite	937	922	968
White	Tested	124	121	121
	Verbal	527	545	552
	Mathematics	532	556	554
	Composite	1058	1101	1106
Hispanic	Tested	9	5	9
	Verbal	444	524	508
	Mathematics	453	522	506
	Composite	898	1046	1013
ELL	Tested	4	1	0
	Verbal	358	360	0
	Mathematics	633	660	0
	Composite	990	1020	0
FARMS	Tested	16	14	18
	Verbal	437	447	486
	Mathematics	469	459	497
	Composite	906	906	983
Special Ed	Tested	5	7	2
	Verbal	482	420	555
	Mathematics	482	449	445
	Composite	964	869	1000

System Indicators and State Standards Report
SAT Mean Score Trends by Subgroup
Mt. Hebron High School

		SY2003	SY2004	SY2005
Overall	Tested	292	311	276
	Verbal	531	546	564
	Mathematics	559	567	573
	Composite	1090	1112	1138
Male	Tested	143	146	128
	Verbal	526	546	573
	Mathematics	575	576	589
	Composite	1101	1122	1163
Female	Tested	149	165	148
	Verbal	537	545	557
	Mathematics	543	558	559
	Composite	1079	1103	1116
Asian	Tested	47	58	42
	Verbal	489	515	528
	Mathematics	602	596	613
	Composite	1091	1111	1141
African American	Tested	24	17	19
	Verbal	473	488	527
	Mathematics	454	452	506
	Composite	927	939	1033
White	Tested	217	231	209
	Verbal	548	558	576
	Mathematics	562	569	571
	Composite	1109	1127	1147
Hispanic	Tested	4	3	6
	Verbal	503	467	538
	Mathematics	508	453	573
	Composite	1010	920	1112
ELL	Tested	7	4	6
	Verbal	363	470	313
	Mathematics	497	603	503
	Composite	860	1073	817
FARMS	Tested	12	1	5
	Verbal	419	440	482
	Mathematics	458	410	494
	Composite	877	850	976
Special Ed	Tested	12	10	8
	Verbal	468	507	521
	Mathematics	458	555	455
	Composite	926	1062	976

System Indicators and State Standards Report
SAT Mean Score Trends by Subgroup
Oakland Mills High School

		SY2003	SY2004	SY2005
Overall	Tested	150	167	161
	Verbal	527	535	530
	Mathematics	534	532	531
	Composite	1061	1066	1061
Male	Tested	68	89	79
	Verbal	529	536	550
	Mathematics	559	544	564
	Composite	1088	1080	1114
Female	Tested	82	78	82
	Verbal	526	533	510
	Mathematics	513	517	499
	Composite	1039	1051	1010
Asian	Tested	16	11	15
	Verbal	484	501	550
	Mathematics	542	575	578
	Composite	1026	1075	1128
African American	Tested	31	39	51
	Verbal	480	446	470
	Mathematics	454	442	464
	Composite	935	887	935
White	Tested	101	112	91
	Verbal	552	572	561
	Mathematics	559	565	561
	Composite	1112	1137	1121
Hispanic	Tested	2	3	2
	Verbal	340	470	440
	Mathematics	420	397	530
	Composite	760	867	970
ELL	Tested	1	0	1
	Verbal	310	0	410
	Mathematics	630	0	390
	Composite	940	0	800
FARMS	Tested	12	17	18
	Verbal	400	442	397
	Mathematics	418	456	407
	Composite	818	898	804
Special Ed	Tested	6	4	5
	Verbal	472	385	554
	Mathematics	498	465	474
	Composite	970	850	1028

System Indicators and State Standards Report
SAT Mean Score Trends by Subgroup
Reservoir High School

		SY2005
Overall	Tested Verbal Mathematics Composite	194 531 537 1068
Male	Tested Verbal Mathematics Composite	82 541 555 1097
Female	Tested Verbal Mathematics Composite	112 523 523 1046
Asian	Tested Verbal Mathematics Composite	23 559 601 1160
African American	Tested Verbal Mathematics Composite	29 483 475 959
White	Tested Verbal Mathematics Composite	134 546 545 1091
Hispanic	Tested Verbal Mathematics Composite	7 386 463 849
ELL	Tested Verbal Mathematics Composite	1 430 510 940
FARMS	Tested Verbal Mathematics Composite	15 449 463 913
Special Ed	Tested Verbal Mathematics Composite	7 436 414 850

System Indicators and State Standards Report
SAT Mean Score Trends by Subgroup
River Hill High School

		SY2003	SY2004	SY2005
Overall	Tested	343	381	347
	Verbal	557	554	559
	Mathematics	580	579	583
	Composite	1137	1133	1142
Male	Tested	178	193	171
	Verbal	558	552	551
	Mathematics	594	592	594
	Composite	1152	1144	1146
Female	Tested	165	188	176
	Verbal	556	557	566
	Mathematics	565	565	572
	Composite	1120	1121	1139
Asian	Tested	52	63	82
	Verbal	557	564	580
	Mathematics	641	640	642
	Composite	1198	1204	1222
African American	Tested	22	33	17
	Verbal	541	508	530
	Mathematics	531	502	494
	Composite	1072	1010	1024
White	Tested	263	280	244
	Verbal	559	558	554
	Mathematics	571	574	571
	Composite	1130	1132	1125
Hispanic	Tested	5	5	4
	Verbal	498	530	525
	Mathematics	598	560	520
	Composite	1096	1090	1045
ELL	Tested	6	1	1
	Verbal	452	210	360
	Mathematics	605	580	490
	Composite	1057	790	850
FARMS	Tested	2	4	2
	Verbal	440	418	435
	Mathematics	485	553	425
	Composite	925	970	860
Special Ed	Tested	11	14	18
	Verbal	522	482	454
	Mathematics	476	477	452
	Composite	998	959	906

System Indicators and State Standards Report
SAT Mean Score Trends by Subgroup
Wilde Lake High School

		SY2003	SY2004	SY2005
Overall	Tested	236	239	243
	Verbal	539	540	549
	Mathematics	541	552	548
	Composite	1079	1091	1097
Male	Tested	101	127	114
	Verbal	535	538	551
	Mathematics	549	576	562
	Composite	1085	1115	1113
Female	Tested	135	112	129
	Verbal	541	542	547
	Mathematics	534	523	536
	Composite	1075	1065	1083
Asian	Tested	23	25	27
	Verbal	547	521	566
	Mathematics	615	584	626
	Composite	1162	1105	1192
African American	Tested	57	63	57
	Verbal	466	458	467
	Mathematics	440	458	435
	Composite	906	916	902
White	Tested	147	147	148
	Verbal	568	577	583
	Mathematics	572	584	581
	Composite	1140	1160	1164
Hispanic	Tested	8	3	11
	Verbal	494	593	484
	Mathematics	493	667	490
	Composite	986	1260	974
ELL	Tested	1	1	1
	Verbal	250	560	370
	Mathematics	570	510	370
	Composite	820	1070	740
FARMS	Tested	15	17	14
	Verbal	411	407	455
	Mathematics	377	395	436
	Composite	788	802	891
Special Ed	Tested	13	9	9
	Verbal	425	428	408
	Mathematics	442	439	410
	Composite	867	867	818