

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

December 5, 2002

MEMORANDUM

To: Members of the Board of Education

From: Jerry D. Weast, Superintendent of Schools

Subject: 2002 Advanced Placement Tests Results

Results from the spring 2002 administration of the Advanced Placement<sup>1</sup> (AP) tests in the Montgomery County Public Schools (MCPS) show that participation has about doubled in the last five years. This has been accompanied by a slight decline in performance over the five years but that trend started to be reversed. From 1998 to 2002 the number of AP tests taken in MCPS increased 124 percent (6,124 to 13,689). The number of students taking these tests increased 92 percent<sup>2</sup> (3,525 to 6,785). The average score on the five-point scale was 3.59 in 1998 and 3.48 in 2002. The 2002 average was .03 of a point higher than in 2001. In 1998, 83 percent of the scores were three or higher. In 2002, 79 percent of the scores were three or higher, a one-point gain from 2001. National trends from 1998 to 2002 were in the same direction but about half as strong. The national increases were 56 percent in AP tests taken and 48 percent in number of students. The national decline in average score was .03 (3.02 to 2.99). Given the very large increases in participation, the decline in the performance level, while not desirable, is understandable. Generally, when the number of students taking AP tests increases, the average group performance goes down<sup>3</sup>. While that usual trend applies to the MCPS five-year trend, we have started to reverse it in 2002. The 1998 to 2002 MCPS participation and performance trends are shown in Table 1 below. Detailed results from 1998 to 2002 are shown in Table A-1 in the Appendix.

Table 1  
MCPS and National Advanced Placement Tests Trends

	<b>MCPS 1998</b>	<b>MCPS 2002</b>	<b>MCPS Change 1998-2002</b>	<b>National Change 1998-2002</b>
# AP Tests Taken	6,124	13,689	124%	56%
# Students Taking at Least 1 AP Test	3,525	6,785	92%	48%
Average Score	3.59	3.48	-.11	-.03
% of Scores 3 or Higher	83	79	-4	-1

<sup>1</sup> Advanced Placement tests are a College Board program available to high school students. Scores on these tests can be used by students to earn credit or advanced standing in college. Usually a minimum score of three is needed to achieve this goal.

<sup>2</sup> Students can take more than one test in a year.

<sup>3</sup> This decrease occurs because the AP tests are aimed at the top high school students. As the group becomes larger, it will tend to include a wider range of academic talent.

The increases in participation in MCPS from 1998 were seen across all subject areas tested but were largest in Psychology (713 to 1,557), English Language and Composition (768 to 1,582), English Literature and Composition (683 to 1,474) and Statistics (91 to 514). A new test in 2002, World History, was the fourth most popular in MCPS with 1,360 students taking it.

The highest average scores in MCPS, for tests taken by at least 100 students, were on the Calculus BC (3.81), Computer Science AB (3.76), and Spanish Language (3.71) tests. These tests also had the three highest average scores nationally. The tests on which MCPS students scored the highest relative to the national averages were U.S. History (3.64 to 2.81), French Language (3.43 to 2.74), Chemistry (3.46 to 2.79), and Micro Economics (3.61 to 2.95). Detailed results by subject are presented in Table A-2 in the Appendix.

### Racial/Ethnic Groups

The countywide gains in participation also were seen for each racial/ethnic group. The percent gains by group are shown in Table 2 below, with African American and Hispanic students showing the largest proportional gains. The number of African American and Hispanic students taking an AP test has more than doubled from 1998 to 2002. However, when the percent of students enrolled<sup>4</sup> is considered, the Asian American and White students had larger increases. In 2002, 54 percent of the Asian American students took at least one AP test, an increase of 20 percentage points from 1998, while White students had an increase of 19 percentage points to 47 percent. The participation data for racial/ethnic groups are shown in Table 2 below.

Table 2  
MCPS Participation in Advanced Placement Tests by Racial/Ethnic Group  
1998 to 2002

<b>Group</b>	<b>Percent Increase in AP Tests Taken, 1998-2002</b>	<b>Percent Increase in Students Taking AP Tests, 1998-2002</b>	<b>Percent of Group Taking AP Tests, 1998</b>	<b>Percent of Group Taking AP Tests, 2002</b>
African American	197	166	7	15
Asian American	126	85	34	54
Hispanic	160	132	10	18
White	117	87	28	47
Total	124	92	23	38

<sup>4</sup> The percent of a group participating is based on the enrollment in Grades 11 and 12 since close to 90 percent of the MCPS students taking AP tests are in those grades.

The countywide decline in level of performance from 1998 to 2002 was shown by all racial/ethnic groups. The five-year declines were steepest for African American and Hispanic students. The average scores for these groups went down over .3 of a point. Their declines in the percent of scores three or higher were 15 and 10 percentage points, respectively. The declines in percent of scores three or higher for Asian American and White students were six and two percentage points, respectively. However, all groups except Asian Americans started to reverse this trend in 2002. African Americans had the largest increase in performance from 2001 going from 53 to 57 percent scoring 3 or higher.

MCPS racial/ethnic groups averaged at least .3 of a point higher than their counterparts nationally in 2002. The largest difference in average score, .63 of a point, was for African American students. Nationally, all racial/ethnic groups increased their participation from 1998, but none increased as much as the comparable groups in MCPS. The largest increase nationally in the number of students taking AP tests was 84 percent by Hispanic students. In MCPS, Hispanic student participation increased by 132 percent in that time. The performance data for each group are presented in Table 3 below. More detailed racial/ethnic data are presented in Tables A-3 and A-4 in the Appendix.

Table 3  
MCPS and National Performance on Advanced Placement Tests  
By Racial/Ethnic Group, 1998 and 2002

Group	MCPS				National			
	Mean Score		Percent 3 or Higher		Mean Score		Percent 3 or Higher	
	1998	2002	1998	2002	1998	2002	1998	2002
African American	3.13	2.77	72	57	2.21	2.14	35	33
Asian American	3.54	3.41	82	76	3.10	3.08	66	65
Hispanic	3.63	3.26	81	71	2.99	2.75	60	53
White	3.64	3.59	85	83	3.06	3.07	65	66
Total	3.59	3.48	83	79	3.02	2.99	64	63

### Gender

Both males and females followed the countywide trend in participation and performance from 1998 to 2002. Participation by male students increased 94 percent; for females the increase was 92 percent. Females participated more in 2002 than did males—43 percent of the females enrolled compared to 34 percent of the males. Males had slightly higher performance with an average score of 3.57 and 81 percent of the scores at three or more. Females averaged 3.40 with 77 percent of the scores at three or more.

### Students Receiving Special Services

Students receiving special services participated in the AP tests. Sixty-nine students (1 percent of the students tested) receiving English for Speakers of Other Languages (ESOL) services averaged 3.65, .17 of a point above the county average on a total of 81 tests. Forty-four (54 percent) of these tests were in Spanish (34) or French (10). The other special service groups averaged below the overall county. Students receiving Free and Reduced-price Meals Services (FARMS) averaged 2.85. Two hundred and sixty-four FARMS students (3.9 percent of those tested) took 434 tests. Students with Individualized Education Programs (IEPs) averaged 3.37. There were 121 (1.8 percent of those tested) of these students taking 205 tests. The results for these groups are shown in Table 4 below.

Table 4  
2002 Performance on Advanced Placement Tests by  
MCPS Students Receiving Special Services

<b>Group</b>	<b># of Tests Taken</b>	<b># of Students Taking at Least 1 Test</b>	<b>Average Score</b>	<b>% of Scores 3 or Higher</b>
ESOL	81	69	3.65	79
FARMS	434	264	2.85	56
Students with IEPs	205	121	3.37	77

### Results by School

The five-year countywide increases in participation were seen in all 21 high schools that were open in 1998. The two schools that opened since then—James Hubert Blake High School and Northwest High School—had large participation increases from 2000. Eleven high schools had the number of students taking AP tests at least double from 1998, as did the two schools that opened in 2000. Four of these schools have seen the number of students taking AP tests at least triple. These are Gaithersburg High School (270 percent, 64 to 237), John F. Kennedy High School (251 percent, 69 to 242 students), James Hubert Blake High School (250 percent, 58 to 203 from 2000), and Damascus High School (206 percent, 81 to 248).

Eleven high schools reversed the usual trend of declining average score with increasing participation. They increased both their average score and participation from 1998. The largest average score gain among these seven was .26 of a point at Bethesda-Chevy Chase High School. Damascus High School had the largest increase in participation for any school with an increase in average score.

Nineteen high schools averaged at least 3 points per test. The schools with the highest averages were Montgomery Blair High School (4.12), Walt Whitman High School (3.91), Winston Churchill High School (3.84), and Poolesville High School (3.80).

School results for 2002 are presented in Table 5 below. School results for the last five years are in Table A-5 in the Appendix. Also in the Appendix is Table A-6 that presents results by subject within school.

Table 5  
Advanced Placement Tests Results by School, 2002

School	# Tests	# Students	Mean	Percent 3 or Higher
Bethesda-Chevy Chase	468	326	3.51	82
Montgomery Blair	1,145	488	4.12	92
James Hubert Blake	373	203	3.14	71
Winston Churchill	1,057	489	3.84	88
Damascus	425	248	3.39	80
Albert Einstein	333	164	3.02	65
Gaithersburg	435	237	2.81	58
Walter Johnson	982	429	3.56	82
John F. Kennedy	434	242	2.63	52
Col. Zadok Magruder	536	283	3.52	82
Richard Montgomery	1,128	493	3.69	84
Northwest	409	224	2.97	65
Paint Branch	572	276	3.30	76
Poolesville	249	132	3.80	90
Quince Orchard	576	274	3.39	78
Rockville	289	152	3.03	64
Seneca Valley	248	127	3.17	72
Sherwood	612	308	3.36	76
Springbrook	609	326	3.01	64
Watkins Mill	437	250	3.45	79
Wheaton	136	75	2.70	55
Walt Whitman	1,027	472	3.91	92
Thomas S. Wootton	1,209	567	3.54	82
County	13,689	6,785	3.48	79

Members of the Board of Education

-6-

December 5, 2002

JDW:njm

Attachments

Copy to:

Executive Staff

Dr. Boykin

Directors of School Performance

High School Principals

Dr. Stevenson

**Appendix**

- A-1 Advanced Placement Tests Results for MCPS, Maryland, and National, 1998–2002
- A-2 Advanced Placement Tests Results by Subject for MCPS from 1998 to 2002 and National for 2002
- A-3 Advanced Placement Tests Results for MCPS Racial/Ethnic Groups, 1998–2002
- A-4 National Advanced Placement Tests Results by Race, 1998–2002
- A-5 MCPS School Advanced Placement Tests Results, 1998–2002
- A-6 Advanced Placement Tests Results by Subject Within School 2002

Table A-1  
Advanced Placement Tests Results for  
MCPS, Maryland, and National, 1998–2002

<b>Group</b>	<b>Year</b>	<b>Number of Tests</b>	<b>Number of Students</b>	<b>Mean</b>	<b>Percent 3 or Higher</b>
MCPS	1998	6,088	3,503	3.59	83
	1999	7,167	3,935	3.63	83
	2000	8,542	4,626	3.58	83
	2001	10,689	5,591	3.45	78
	2002	13,689	6,785	3.48	79
Maryland	1998	25,542	16,172	3.22	71
	1999	28,962	17,746	3.24	71
	2000	32,606	19,680	3.22	71
	2001	37,368	21,923	3.17	69
	2002	45,013	24,985	3.23	71
National	1998	991,952	618,257	3.02	64
	1999	1,122,414	685,981	3.02	64
	2000	1,242,324	747,922	3.01	64
	2001	1,380,146	820,880	2.95	61
	2002	1,548,999	913,251	2.99	63

Table A-2  
Advanced Placement Tests Results by Subject for MCPS From 1998 to 2002 and National for 2002

Subject	1998		1999		2000		2001		2002		2002
	Mean	No.	Mean	No.	Mean	No.	Mean	No.	Mean	No.	National Mean
Biology	3.87	321	3.81	422	3.66	370	3.22	629	3.55	625	3.10
Calculus AB	3.34	245	3.70	261	3.55	294	3.54	406	3.62	474	3.10
Calculus BC	3.68	497	3.65	502	3.73	585	3.90	676	3.81	776	3.73
Chemistry	3.58	376	3.53	334	3.69	385	3.37	423	3.46	518	2.79
Computer Science. AB	4.10	99	3.73	195	3.88	219	3.59	263	3.76	231	3.38
Economics – Macro	3.55	80	3.89	87	3.50	116	3.65	109	3.59	160	2.98
Economics – Micro	3.75	77	3.70	89	3.39	128	3.93	110	3.61	158	2.95
English Lang. & Comp.	3.52	765	3.54	778	3.60	1,019	3.41	1,283	3.41	1,581	2.91
English Lit. & Comp.	3.49	682	3.50	756	3.45	872	3.27	1,193	3.29	1,471	3.00
Environmental Science.			3.75	56	3.71	118	3.06	211	3.25	217	2.68
European History	3.53	371	3.55	406	3.45	453	3.70	479	3.51	419	3.03
French Language	3.52	138	3.37	156	3.24	225	3.34	160	3.43	253	2.74
Govt. & Pol. – Comparative	3.45	110	3.47	144	3.45	25	3.04	305	3.43	455	2.97
Govt. & Pol. – U. S.	3.44	150	3.50	188	3.31	289	3.07	368	3.08	538	2.71
Physics B	3.54	78	3.53	96	3.32	107	3.39	119	3.29	110	2.74
Physics C – Elect. & Mag.	3.44	134	3.69	134	3.42	107	3.71	166	3.65	171	3.29
Physics C – Mechanics	3.70	204	3.93	222	3.83	192	3.84	267	3.54	296	3.21
Psychology	3.70	711	3.75	875	3.61	1,011	3.48	1,420	3.60	1,558	3.32
Spanish Language	3.48	283	3.39	332	3.80	379	3.61	411	3.71	459	3.51
Statistics	3.89	91	3.87	184	3.48	376	3.45	525	3.33	603	2.77
U.S. History	3.56	553	3.49	725	3.61	761	4.48	753	3.64	816	2.81
World History									3.42	1,358	2.77

Table A-3  
Advanced Placement Tests Results  
For MCPS Racial/Ethnic Groups, 1998-2002

<b>Group</b>	<b>Year</b>	<b>Number of Tests</b>	<b>Number of Students</b>	<b>Mean</b>	<b>Percent 3 or Higher</b>
African American	1998	277	188	3.13	72
	1999	322	197	3.16	69
	2000	398	272	3.05	67
	2001	590	375	2.72	53
	2002	822	501	2.77	57
Asian American	1998	1,520	813	3.54	82
	1999	1,806	920	3.53	81
	2000	2,044	999	3.52	80
	2001	2,618	1,225	3.46	78
	2002	3,435	1,504	3.41	76
Hispanic	1998	269	177	3.63	81
	1999	268	169	3.51	84
	2000	389	250	3.60	81
	2001	520	323	3.21	68
	2002	700	410	3.26	71
White	1998	4,015	2,320	3.64	85
	1999	4,723	2,622	3.70	85
	2000	5,646	3,066	3.64	85
	2001	6,896	3,632	3.52	81
	2002	8,713	4,348	3.59	83

Table A-4  
National Advanced Placement Tests Results by Race, 1998-2002

<b>Group</b>	<b>Year</b>	<b>Number of Tests</b>	<b>Number of Students</b>	<b>Mean Score</b>	<b>Percent 3 or Higher</b>
African American	1998	38,859	27,054	2.21	35
	1999	45,725	31,023	2.20	35
	2000	53,136	36,158	2.17	34
	2001	59,898	40,078	2.11	31
	2002	68,323	45,271	2.14	33
Asian American	1998	127,633	68,109	3.10	66
	1999	145,654	75,875	3.07	65
	2000	167,490	85,756	3.06	65
	2001	184,337	92,762	3.03	63
	2002	205,974	102,653	3.08	65
Hispanic	1998	76,960	53,627	2.99	60
	1999	93,079	62,853	2.94	55
	2000	112,559	74,852	2.90	56
	2001	130,959	86,018	2.80	52
	2002	151,396	98,495	2.75	53
White	1998	641,128	403,553	3.06	65
	1999	721,839	445,880	3.05	65
	2000	830,102	504,600	3.06	66
	2001	914,012	549,065	3.02	64
	2002	1,022,481	607,816	3.07	66

Table A-5  
 MCPS School Advanced Placement Tests Results, 1998-2002

School	Year	Number of Tests	Number of Students	Mean	Percent 3 or Higher
Bethesda-Chevy Chase	1998	248	177	3.25	73
	1999	190	140	3.52	78
	2000	246	180	3.55	81
	2001	379	257	3.40	75
	2002	468	326	3.51	82
Blake	1998				
	1999				
	2000	74	58	3.23	78
	2001	296	163	3.05	65
	2002	373	203	3.14	71
Blair	1998	627	313	4.06	91
	1999	694	327	4.23	93
	2000	677	332	4.14	94
	2001	805	383	4.21	95
	2002	1,145	488	4.12	92
Churchill	1998	430	244	3.81	89
	1999	582	332	3.83	89
	2000	732	364	3.87	90
	2001	840	428	3.77	88
	2002	1,057	489	3.84	88
Damascus	1998	112	81	3.21	72
	1999	197	113	3.22	77
	2000	180	119	3.24	76
	2001	282	162	3.15	73
	2002	425	248	3.39	80
Einstein	1998	137	78	3.31	78
	1999	144	92	3.37	76
	2000	190	131	3.42	75
	2001	285	169	2.83	56
	2002	333	164	3.02	65
Gaithersburg	1998	103	64	2.97	69
	1999	154	88	3.03	65
	2000	157	100	2.95	66
	2001	297	163	2.84	59
	2002	435	237	2.81	58
Walter Johnson	1998	411	242	3.59	86
	1999	541	269	3.58	87
	2000	761	344	3.57	85
	2001	772	340	3.50	84
	2002	982	429	3.56	82

Table A-5 (Continued)  
 MCPS School Advanced Placement Tests Results, 1998-2002

School	Year	Number of Tests	Number of Students	Mean	Percent 3 or Higher
Kennedy	1998	90	69	2.94	66
	1999	173	97	2.73	58
	2000	211	123	2.81	57
	2001	362	204	2.37	41
	2002	434	242	2.63	52
Magruder	1998	246	136	3.31	81
	1999	273	161	3.34	81
	2000	286	167	3.49	85
	2001	428	230	3.49	85
	2002	536	283	3.52	82
Richard Montgomery	1998	838	407	3.77	89
	1999	888	408	3.76	87
	2000	933	424	3.87	88
	2001	978	441	3.81	87
	2002	1,128	493	3.69	84
Northwest	1998				
	1999				
	2000	151	93	2.91	69
	2001	239	154	3.08	70
	2002	409	224	2.97	65
Paint Branch	1998	182	121	3.50	82
	1999	229	149	3.50	78
	2000	288	170	3.29	76
	2001	408	225	3.33	74
	2002	572	276	3.30	76
Poolesville	1998	107	67	3.76	93
	1999	143	79	3.57	84
	2000	127	74	3.60	87
	2001	238	113	3.51	82
	2002	249	132	3.80	90
Quince Orchard	1998	429	241	3.52	82
	1999	483	246	3.60	84
	2000	535	271	3.40	80
	2001	573	284	3.26	77
	2002	576	274	3.39	78
Rockville	1998	142	74	2.99	68
	1999	182	107	3.10	72
	2000	231	135	3.18	71
	2001	234	141	3.18	71
	2002	289	152	3.03	64

Table A-5 (Continued)  
 MCPS School Advanced Placement Tests Results, 1998-2002

School	Year	Number of Tests	Number of Students	Mean	Percent 3 or Higher
Seneca Valley	1998	161	103	3.02	63
	1999	123	88	3.19	72
	2000	171	116	3.35	77
	2001	228	142	3.18	73
	2002	248	127	3.17	72
Sherwood	1998	295	184	3.40	76
	1999	227	172	3.58	84
	2000	266	164	3.85	90
	2001	332	188	3.47	79
	2002	612	308	3.36	76
Springbrook	1998	320	202	3.48	80
	1999	368	219	3.43	77
	2000	496	291	3.15	71
	2001	541	310	2.86	58
	2002	609	326	3.01	64
Watkins Mill	1998	180	102	3.21	76
	1999	138	89	3.21	73
	2000	260	162	3.42	84
	2001	356	202	3.41	78
	2002	437	250	3.45	79
Wheaton	1998	34	27	3.06	74
	1999	48	34	3.19	69
	2000	65	47	2.85	66
	2001	83	46	2.84	67
	2002	136	75	2.70	55
Whitman	1998	547	328	3.80	88
	1999	706	284	3.69	86
	2000	802	409	3.72	87
	2001	926	444	3.76	88
	2002	1,027	472	3.91	92
Wootton	1998	485	265	3.76	88
	1999	604	322	3.80	89
	2000	703	352	3.62	84
	2001	807	402	3.58	83
	2002	1,209	567	3.54	82
County	1998	6,124	3,525	3.59	83
	1999	7,167	3,935	3.63	83
	2000	8,542	4,626	3.58	83
	2001	10,689	5,591	3.45	78
	2002	13,689	6,785	3.48	79

Table A-6  
Advanced Placement Tests Results by Subject Within School, 2002

School	Art History		Studio Art: Drawing		Studio Art: 2-D Design		Studio Art: 3-D Design		Biology		Calculus AB		Calculus BC		Chemistry		Computer Science A	
	#T	3+	#T	3+	#T	3+	#T	3+	#T	3+	#T	3+	#T	3+	#T	3+	#T	3+
Beth.-Chevy Chase			1	*	1	*			16	13	20	18	21	21	12	4	7	5
Blair			1	*	2	*			44	40			108	93	46	43	1	*
Blake									8	4	17	13	17	12				
Churchill	39	23	2	*	*				37	35	64	61	60	59	27	22	15	14
Damascus									27	18	13	12	20	12	49	44	1	*
Einstein			2	*	8	8			28	11	8	5	6	5	6	0		
Gaithersburg					2	*			27	17	11	6	20	17	20	10	13	9
W. Johnson	7	7	2	*					34	34	3	*	88	63	50	43		
Kennedy							1	*	52	21	22	15	20	13	14	6	11	3
Magruder			1	*					23	20	4	*	41	38	15	9	1	*
R. Montgomery	4	*	6	6					24	21	65	63	56	52	38	33		
Northwest			6	4	5	5			16	15	8	5	18	14	27	22	3	*
Paint Branch			3	*	7	4			34	19	3	*	36	34	16	8	5	4
Poolesville			17	16	8	8			12	11	12	11	17	16				
Q. Orchard	4	*			7	5	1	*	31	24	2	*	40	25	10	9		
Rockville			2	*					21	14	20	17		1	*			
Seneca Valley	12	7							9	7	21	21	1	*	21	6	1	*
Sherwood									12	8	14	10	22	10	27	8	2	*
Springbrook									18	16			48	33	16	8		
Watkins Mill			7	3			1	*	34	29	26	19	20	18	22	20		
Wheaton									23	13	13	11			5	5	4	*
Whitman	7	7	23	22					27	26	82	74	38	36	63	61	3	*
Wootton			2	*	1	*			68	58	46	38	79	73	33	30	3	*

#T - Number Tested

3+ - Number of tests with scores 3 or higher

\* - 3+ not reported because number tested is less than 5

Blank Space - No students took the test

Table A-6 (Continued)  
Advanced Placement Tests Results by Subject Within School, 2002

School	Computer Science AB		Econ/ Micro		Econ/ Macro		Eng. Lang & Comp		Eng. Lit. & Comp		Environment. Science		European History		French Language	
	#T	3+	#T	3+	#T	3+	#T	3+	#T	3+	#T	3+	#T	3+	#T	3+
Beth.-Chevy Chase	2	*					103	74	72	58			15	13	9	9
Blair	81	75	39	31	40	29	113	110	55	55	5	4	19	19	33	31
Blake							88	62	75	55			22	21	10	8
Churchill	27	24					44	44	66	65	20	9	43	42	13	12
Damascus	9	3					49	44	66	56	11	9	20	18		
Einstein							63	40	47	32	12	4			8	8
Gaithersburg							66	36	64	34	14	6			13	6
W. Johnson	13	12					86	81	62	56	31	17	45	43	21	20
Kennedy	1	*					79	39	97	33					3	*
Magruder	4	*					53	44	56	48			41	40	12	5
R. Montgomery	18	16	75	67	75	59	133	119	81	67			62	45	30	28
Northwest	8	3					58	45	63	39			32	22	11	8
Paint Branch	6	2					55	33	41	29					4	*
Poolesville							37	36	22	22	25	23	1	*		
Q. Orchard	8	7	8	6	7	7	58	40	56	47	5	3	13	11	7	3
Rockville							51	32	75	43			14	9	3	*
Seneca Valley	5	5					46	34	33	28					1	*
Sherwood	5	3					56	45	73	57	9	8	15	15	2	*
Springbrook	26	23					59	30	79	51			1	*	9	7
Watkins Mill							58	41	45	35			12	9	3	*
Wheaton							9	5	30	10			12	11		
Whitman	12	9	1	*	1	*	134	131	111	102	24	22	16	16	26	23
Wootton	6	1	35	24	37	28	83	70	102	93	61	49	36	30	35	28

#T - Number Tested  
 3+ - Number of tests with scores 3 or higher  
 \* - 3+ not reported because number tested is less than  
 Blank Space - No students took the test

Table A-6 (Continued)  
Advanced Placement Tests Results by Subject Within School, 2002

School	French Literature		German Language		Govt. & Pol/U.S.		Govt. & Pol/Comp		Human Geography		Latin Vergil		Latin Literature		Music Theory	
	#T	3+	#T	3+	#T	3+	#T	3+	#T	3+	#T	3+	#T	3+	#T	3+
Beth.-Chevy Chase	2	*													1	*
Blair					30	30	32	32					2	*	1	*
Blake					12	6										
Churchill					44	36	35	31	35	24						
Damascus					16	13	16	14								
Einstein					9	2			12	11					2	*
Gaithersburg	1	*			14	10	12	8								
W. Johnson					61	47	56	41			7	2				
Kennedy					24	13	22	22								
Magruder					8	5	9	8								
R. Montgomery	4	*			18	12	16	15								
Northwest					19	11	18	12								
Paint Branch					21	14	27	19								
Poolesville					6	5	5	4	1	*						
Q. Orchard			1	*	9	8	6	5	8	8					5	4
Rockville																
Seneca Valley					5	3										
Sherwood					63	43	65	60							6	2
Springbrook	6	3			82	42	82	55								
Watkins Mill					9	9	9	8	6	6						
Wheaton																
Whitman	13	9	1	*	48	35	45	40	4	*						
Wootton					40	24							10	2	10	10

#T - Number Tested  
3+ - Number of tests with scores 3 or higher  
\* - 3+ not reported because number tested is less than 5  
Blank Space - No students took the test

Table A-6 (Continued)  
Advanced Placement Tests Results by Subject Within School, 2002

School	Physics B		Physics C Mechanics		Physics C Elec. & Magnet		Psychology		Spanish Language	
	#T	3+	#T	3+	#T	3+	#T	3+	#T	3+
Beth.-Chevy Chase			7	5	1	*	36	29	27	25
Blair	2	*	27	25	10	9	168	154	36	27
Blake			4	*			40	20	2	*
Churchill			28	27	28	25	151	138	65	47
Damascus	12	10	3	*			54	44	8	6
Einstein			5	2			13	9	11	9
Gaithersburg	20	10	1	*	1	*	1	*	21	18
W. Johnson			24	21	25	22	104	82	60	56
Kennedy							57	34	10	9
Magruder			8	4			99	98	22	11
R. Montgomery	7	5	29	18	23	6	83	55	49	48
Northwest							90	43	10	8
Paint Branch			27	26	19	14	73	59	7	6
Poolesville	12	9					31	30		
Q. Orchard	2	*	3	*			104	94	5	3
Rockville	15	15	1	*	1	*			9	8
Seneca Valley	2	*					18	13	6	6
Sherwood			9	4			79	67	17	9
Springbrook	3	*	17	13			42	23	17	16
Watkins Mill			13	11			102	76	11	7
Wheaton			16	4						
Whitman	28	25	10	9			85	74	49	49
Wootton	7	7	64	61	63	51	128	102	17	16

#T - Number Tested  
3+ - Number of tests with scores 3 or higher  
\* - 3+ not reported because number tested is less than 5  
Blank Space - No students took the test

Table A-6 (Continued)  
Advanced Placement Tests Results by Subject Within School, 2002

School	Spanish Literature		Statistics		US History		World History	
	#T	3+	#T	3+	#T	3+	#T	3+
Beth.-Chevy Chase	4	*	8	7	103	90		
Blair			28	28	48	46	171	160
Blake			11	7	21	17	49	40
Churchill	9	8	81	74	28	27	97	86
Damascus			6	3	47	35		
Einstein			8	5			67	46
Gaithersburg	12	6	46	23	19	7	37	28
W. Johnson	1	*	34	32	70	50	102	75
Kennedy	3	*			16	11		
Magruder			27	20	20	13	96	72
R. Montgomery	2	*	36	35	115	108	80	60
Northwest			18	8				
Paint Branch			78	67	11	7	104	86
Poolesville			12	11	31	20		
Q. Orchard			38	26	29	24	109	78
Rockville			48	17	30	25	1	*
Seneca Valley					15	9	52	34
Sherwood			14	9	41	41	82	65
Springbrook	1	*	42	24	18	12	43	31
Watkins Mill					26	22	32	30
Wheaton					24	13		
Whitman	16	16	18	15	40	37	106	100
Wootton			49	39	64	47	130	100

#T - Number Tested  
 3+ - Number of tests with scores 3 or higher  
 \* - 3+ not reported because number tested is less than 5  
 Blank Space - No students took the test