

**BOARD OF EDUCATION OF HOWARD COUNTY
MEETING AGENDA ITEM**

TITLE: 2016 Advanced Placement Exam Participation and Performance **DATE:** January 26, 2017

PRESENTER(S): E. Grace Chesney, Eva Yiu, and Mark Stout

VISION 2018 GOAL: Students Staff Families and Community Organization

OVERVIEW:

HCPSS students continue to perform at high levels on AP exams as evidenced by the number of exams taken and the scores received in 2016. Overall, more than 4,600 HCPSS high school students have taken over 10,500 AP exams in 2016. Almost four out of five AP exams taken by HCPSS students scored a 3 or higher, a score which may be awarded course credit by colleges. This level of performance exceeded the overall percentages of AP exams with a score of 3 or higher taken by public school students in the state of Maryland and across the nation.

HCPSS is Maryland’s only school system on the 7th Annual AP District Honor Roll, and one of 433 districts in the U.S. and Canada being honored by the College Board. To be included, HCPSS had to increase the number of students participating in AP exams while increasing or maintaining the percentage of students earning exam scores of 3 or higher since 2014. Reaching these goals shows that a district is successfully identifying motivated, academically-prepared students who are ready for AP courses.

~~RECOMMENDATION~~/FUTURE DIRECTION:

Continue to leverage the AP Potential tool based on PSAT performance to identify students with the knowledge and skills to succeed in specific AP courses by offering the PSAT to all students in Grades 9 through 11. Continue to provide funding to support staff professional development for implementing the AP program and intentionally “talent-spotting” students who have demonstrated potential or high interest in participating in the AP program. Vertically articulate throughout the system to increase the opportunity for students to be prepared to participate in the AP program in high school. Support students in attaining an AP exam score of 3 or higher as it is a strong predictor of a student’s ability to succeed in college and earn a degree. Continue to coordinate the distribution of exam fee waivers to families in financial need.

SUBMITTED BY: _____

E. Grace Chesney
Chief Accountability Officer

APPROVAL/CONCURRENCE: _____

Renee A. Foose, Ed, D.
Superintendent

Linda T. Wise
Deputy Superintendent

Background

Our strategic plan, *Vision 2018: Fulfilling the Promise of Preparation*, emphasizes a rigorous instructional program for all students. The AP program includes a wide variety of courses that offer rigorous college-level courses to our high school students. Research literature indicates that course rigor in high school is the most powerful predictor of postsecondary success¹. HCPSS offers 33 AP courses and 35 exams in the areas of art, computer science, English, mathematics, music, science, social studies, and world language. AP courses offer rigorous curricula that students need to prepare for postsecondary education². The corresponding exams, administered by the College Board, rate a student's mastery of the content on a scale of 1 to 5. Research indicates that students who take and pass AP exams are much more likely than their peers to complete a bachelor's degree in four years or less³. In addition, students who earn AP exam scores of 3 or higher may be awarded course credit upon entry into college⁴.

AP Exam Results for the District, State, and Nation

According to data tables published by the College Board, HCPSS students outperformed public school students in the state of Maryland and the nation on AP exams in 2016. The percentage of AP exams with a score of 3 or higher for HCPSS students (79.6 percent) was 17.5 and 23.6 percentage points higher than that for public school students in the state of Maryland (62.1 percent) and across the nation (56.0 percent), respectively (Table 1).

Table 1
Number of AP Exam Test Takers, AP Exams Taken, AP Exams with a Score of 3 or Higher, and Percentage of AP Exams with a Score of 3 or Higher for the HCPSS, Maryland, and the Nation, 2016

Region	<i>N</i> AP Test Takers	<i>N</i> AP Exams Taken	<i>n</i> AP Exams 3 or Higher	% AP Exams 3 or Higher
HCPSS	4,663	10,506	8,360	79.6
Maryland Public Schools	57,318	108,392	67,277	62.1
U.S. Public Schools	2,248,110	4,018,016	2,250,668	56.0

Note. AP exam results are based on data reported by the College Board as of October 2016.

In 2016 the percentage of AP exams taken by HCPSS students and scored a 3 or higher (79.6 percent) decreased by 1.2 percentage points from 2015 (80.8 percent). The percentage of AP exams with a score of 3 or higher and taken by public school students in the state of Maryland increased by one percentage point from 61.1 percent in 2015 to 62.1 percent in 2016. Nationally, the percentage of AP exams with a score of 3 or higher and taken by public school students stayed similar at 55.9 percent in 2015 to 56.0 percent in 2016 (Table 2).

By student race/ethnicity, the percentage of AP exams with a score of 3 or higher in 2016 for Black/African American students in HCPSS (63.9 percent) was 29.7 and 35.8 percentage points greater than that for Black/African American public school students in the state of Maryland (34.2 percent) and the nation (28.1 percent), respectively. The percentage of AP exams with a score of 3 or higher for Hispanic/Latino students

¹ ACT. (2004). *ACT national data release*. Iowa City, IA: ACT, Inc.

² Adelman, C. (1999). *Answers in the tool box: Academic intensity, attendance patterns, and bachelor's degree attainment*. Washington, DC: US Department of Education.

³ Hargrove, L., Godin, D., & Dodd, B. (2008). *College outcomes comparisons by AP and non-AP high school experiences*. New York: The College Board.

⁴ DiYanni, R. (2008). *The history of the AP program*. New York: The College Board.

in HCPSS (76.7 percent) was 23.1 and 13.8 percentage points greater than that for Hispanic/Latino public school students in Maryland (53.6 percent) and the nation (62.9 percent) respectively (Table 2).

Table 2
Percentage of AP Exams with a Score of 3 or Higher for Public School Students by Race/Ethnicity in the HCPSS, Maryland, and the Nation, 2015 and 2016

Student Group	HCPSS ^a		Maryland ^b		Nation ^b	
	2015	2016	2015	2016	2015	2016
All Students	80.8	79.6	61.1	62.1	55.9	56.0
Asian	82.2	81.1	72.9	74.4	67.3	68.7
Black/African American	65.2	63.9	34.1	34.2	29.2	28.1
Hispanic/Latino	78.4	76.7	51.9	53.6	40.4	62.9
White	82.5	81.0	67.7	68.2	62.4	62.9
Two or More Races	81.0	83.7	n/a	61.1	n/a	56.8

Note. AP exam results are based on data reported by the College Board as of October 2016.

^a“All Students” include American Indian or Alaskan Native, and Native Hawaiian or Other Pacific Islander students.

^b“All Students” include students reported as American Indian, Other, and students who did not report their race/ethnicity; “Hispanic/Latino” include students reported as Mexican American, Puerto Rican and Other Hispanic in 2015; in 2016 College Board reported “Hispanic/Latino” in the aggregate.

Overall HCPSS AP Exam Performance Trends

HCPSS students continue to perform at high levels on AP exams, as evidenced by increases in the number of AP exam takers and total exams taken in 2016 compared to 2015, while maintaining college-ready performance. Specifically, the number of HCPSS students taking an AP exam increased by 171 test takers from 4,492 in 2015 to 4,663 in 2016; and the number of AP exams taken increased from 9,949 in 2015 to 10,506 in 2016. Despite the increased volume in AP exams taken, the percentage of exams with a score of 3 or higher remained fairly stable at just over 80 percent in 2015 to just under 80 percent in 2016 (Table 3).

Table 3
HCPSS AP Exam Score Distribution, 2015 and 2016

AP Exam Score	2015 (Test takers = 4,492)		2016 (Test takers = 4,663)	
	<i>n</i> Exams	%	<i>n</i> Exams	%
5	2,453	24.7	2,766	26.3
4	2,759	27.7	2,845	27.1
3	2,826	28.4	2,749	26.2
2	1,327	13.3	1,546	14.7
1	584	5.9	600	5.7
≥3	8,038	80.8	8,360	79.6
Total	9,949		10,506	

Note. AP exam results are based on data reported by the College Board as of October 2016.

Figure 1 displays the total number of AP exams taken and the percentage of exams with a score of 3 or higher from 2012 through 2016. Compared to 2012, the total number of AP exams taken by HCPSS students increased by 27.5 percent at over 2,000 exams. With more exams taken, the proportion of exams receiving a score of 3 has remained near 80 percent over this five-year period.

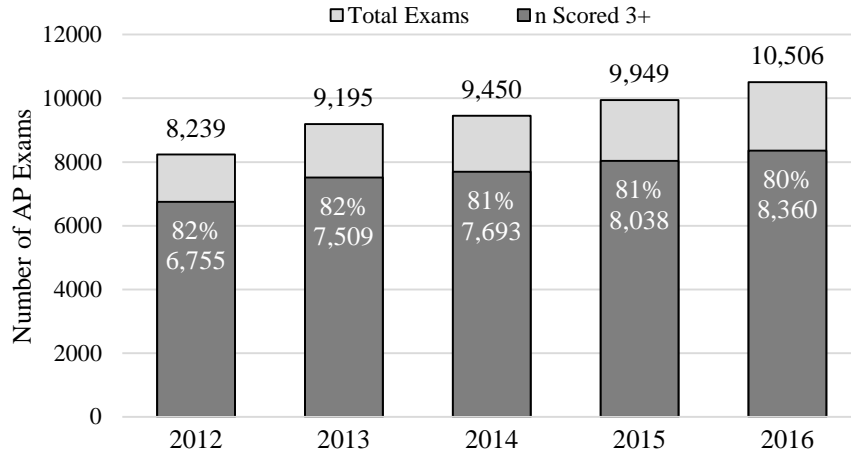


Figure 1. Total AP exams taken and the percent of exams with a score of 3 or higher.

HCPSS AP Exam Participation and Performance Trends by Student Group

In HCPSS the total numbers of AP test takers and AP exams taken increased for all racial/ethnic groups except for the Two or More Races student group from 2015 to 2016. The number of AP exams with a score of 3 or higher increased for all racial/ethnic groups except for the White student group from 2015 to 2016. Even though the volume of exams has increased, performance remained relatively high. The percentage of AP exams with scores of 3 or higher in 2016 remained within two percentage points of 2015 (Table 4).

For students who received special services, only data for those receiving free and reduced meals (FARMS) and special education services are reported here due to insufficient counts for reporting purposes in the English language learner group. The numbers of AP test takers increased from 2015 to 2016 for students who received FARMS and special education services. The percentage of AP exams with scores of 3 or higher taken by FARMS students increased by 1.2 percentage points from 64.3 percent in 2015 to 65.5 percent in 2016; this percentage decreased by 6.6 percentage points from 82.8 to 76.2 percent for students who received special education services (Table 4).

Table 4
Number of AP Exam Test Takers, AP Exams Taken, AP Exams with a Score of 3 or Higher, and Percentage of AP Exams with a Score of 3 or Higher for HCPSS by Student Group, 2015 and 2016

Student Group	N AP Test Takers		N AP Exams Taken		n AP Exams 3+		% AP Exams 3+	
	2015	2016	2015	2016	2015	2016	2015	2016
All Students	4,492	4,663	9,949	10,506	8,038	8,360	80.8	79.6
Male	2,042	2,092	4,737	4,993	3,915	4,018	82.6	80.5
Female	2,450	2,571	5,212	5,513	4,123	4,342	79.1	78.8
Asian	1,239	1,351	3,251	3,600	2,671	2,919	82.2	81.1
Black/African American	419	455	771	854	503	546	65.2	63.9
Hispanic/Latino	239	265	445	503	349	386	78.4	76.7
White	2,321	2,335	4,899	4,982	4,040	4,035	82.5	81.0
Two or More Races	265	252	569	558	461	467	81.0	83.7
Free and Reduced Meals	328	356	630	699	405	458	64.3	65.5
Special Education	15	18	29	21	24	16	82.8	76.2
English Language Learner	-	10	-	14	-	12	-	85.7

Note. Results for HCPSS American Indian/Alaskan Native and Native Hawaiian/Pacific Islander students are included with "All Students," but are not reported separately. AP exam results are based on data reported by the College Board as of October 2016. "-" indicates fewer than 10 AP test takers, thus results are not reported to protect student privacy.

Table 5 presents the two-year trend data for the number of AP exam test takers, AP exams taken, AP exams with a score of 3 or higher, and the percentage of AP exams with a score of 3 or higher for HCPSS students by male and female racial/ethnic groups. Overall, a lower percentage of exams received a score of 3 or higher in 2016 compared to 2015, with the greatest decreases observed for the AP exams taken by Black and White male students at almost 3 percentage points (Table 5).

Table 5
Number of AP Exam Test Takers, AP Exams Taken, AP Exams with a Score of 3 or Higher, and Percentage of AP Exams with a Score of 3 or Higher for HCPSS by Race/Ethnicity and Gender, 2015 and 2016

Racial/Ethnic Group	Gender	AP Test Takers		Number of AP Exams Taken		Number of AP Exams 3 or Higher		Percent of AP Exams 3 or Higher	
		2015	2016	2015	2016	2015	2016	2015	2016
Asian	All	1,239	1,351	3,251	3,600	2,671	2,919	82.2	81.1
	Male	607	626	1,657	1,766	1,376	1,447	83.0	81.9
	Female	632	725	1,594	1,834	1,295	1,472	81.2	80.3
Black/African American	All	419	455	771	854	503	546	65.2	63.9
	Male	147	151	281	314	186	199	66.2	63.4
	Female	272	304	490	540	317	347	64.7	64.3
Hispanic/Latino	All	239	265	445	503	349	386	78.4	76.7
	Male	103	109	194	230	161	185	83.0	80.4
	Female	136	156	251	273	188	201	74.9	73.6
White	All	2,321	2,335	4,899	4,982	4,040	4,035	82.5	81.0
	Male	1,066	1,086	2,358	2,404	1,983	1,951	84.1	81.2
	Female	1,255	1,249	2,541	2,578	2,057	2,084	81.0	80.8
Two or more races	All	265	252	569	558	461	467	81.0	83.7
	Male	114	116	239	271	201	230	84.1	84.9
	Female	151	136	330	287	260	237	78.8	82.6

Appendix A provides the number of AP test takers, the number of AP exams taken, and the percent of AP exams earning a 3 or higher and 4 or higher by racial/ethnic group within each HCPSS high school for 2016. Appendix B provides the number of AP test takers, the number of AP exams taken, the number of exams receiving a score of 1 through 5, and the percentage of AP exams receiving a score of 3 or higher by HCPSS high school for 2016. Appendix C provides this information by race/ethnicity for each high school.

In 2016, the 20 AP exams taken most frequently by HCPSS students were English Language & Composition, Calculus AB, U.S. Government & Politics, Psychology, World History, English Literature & Composition, Statistics, Physics 1, Calculus BC, Biology, Macroeconomics, Physics C: Mechanics, Chemistry, Computer Science A, Spanish Language, Microeconomics, Environmental Science, Human Geography, Studio Art: 2-D Design, and Physics C: Electricity and Magnetism (Table 6). Appendix D displays AP course enrollment and AP exam performance by school.

Table 6
Top 20 HCPSS AP Exams Administered, Number of Exams Taken, and
Percent Earning a 3 or Higher by AP Exam, 2016

AP Exam	<i>N</i> took corresponding AP course	<i>n</i> took the course and the exam	<i>N</i> Exams taken	<i>n</i> Exams 3 or higher	% Exams 3 or higher
English Language & Composition	1,153	1,064	1,097	926	84.4
Calculus AB	1,161	1,033	1,036	900	86.9
Government & Politics: US	1,086	996	1,002	799	79.7
Psychology	1,304	944	959	763	79.6
World History	939	761	765	622	81.3
English Literature & Composition	1,055	726	738	569	77.1
Statistics	780	570	572	465	81.3
Physics 1	929	514	517	218	42.2
Calculus BC	547	485	487	466	95.7
Biology	513	417	432	372	86.1
Economics: Macroeconomics	474	351	353	268	75.9
Physics C - Mechanics	405	318	329	258	78.4
Chemistry	345	304	307	220	71.7
Computer Science A	336	270	284	233	82.0
Spanish Language	376	244	255	220	86.3
Economics: Microeconomics	353	248	250	184	73.6
Environmental Science	289	196	203	142	70.0
Human Geography	328	172	175	120	68.6
Art: Studio Art - 2-D Design	503	127	131	125	95.4
Physics C - Electr & Magnetism	136	106	108	83	76.9

AP Course and Exam Taking Trends for HCPSS Graduates

The number of HCPSS graduates increased from 3,866 in 2015 to 3,940 in 2016. The percent of HCPSS graduates enrolled in at least one AP course increased by 3.1 percentage points from 68.2 percent in 2015 to 71.3 percent in 2016. The percent of graduates who took one or more AP exams increased by 2.1 percentage points from 54.1 percent in 2015 to 56.2 percent in 2016. The percent of graduates who scored a 3 or higher on an AP exam also increased by 1.5 percentage points from 45.7 percent in 2015 to 47.2 percent in 2016 (Table 7).

Increasing trends from 2015 to 2016 in the percent of graduates who had ever enrolled in an AP course are observed in all racial/ethnic groups, as well as for graduates who received special services. Notably, Black/African American and Hispanic/Latino graduates' AP course enrollment increased by 6.4 and 4.5 percentage points, respectively, for the Class of 2016 compared to the Class of 2015. The Class of 2016 graduates who received FARMS had a 5.8 percentage-point higher AP course enrollment rate compared to their peers in the Class of 2015.

The percent of graduates who took an AP exam increased for Asian (1.0 percentage-point increase), Black/African American (3.9 percentage-point increase), Hispanic/Latino (3.5 percentage-point increase), and White graduates (3.8 percentage-point increase); but it decreased for Two or More Races graduates by 9.0 percentage points. The percent of graduates who received FARMS who took at least one AP exam increased by 3.1 percentage points from 2015 to 2016.

The percent of graduates who scored a 3 or higher on at least one AP exam increased from 2015 to 2016 for White (3.2 percentage-point increase to 53.6 percent in 2016), Hispanic/Latino (3.0 percentage-point

increase to 38.0 percent in 2016), and Black/African American (2.4 percentage-point increase to 21.0 percent in 2016) graduates. The percent of Two or More Races graduates who scored a 3 or higher on at least one AP exam decreased by 6.0 percentage points from 49.4 percent in 2015 to 43.4 percent in 2016 and remained fairly stable for Asian graduates at about 68 percent. The percent of graduates who received FARMS who scored a 3 or higher on at least one AP exam increased by 1.1 percentage points from 20.6 percent in 2015 to 21.7 percent in 2016 (Table 7).

Table 7
AP Course Participation and AP Exam Performance of HCPSS Graduates, 2015 and 2016

Student Group	Graduates		Graduates Enrolled in an AP Course				Graduates Who Took an AP Exam				Graduates Who Scored 3+ on an AP Exam			
	N		n		%		n		%		n		%	
	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016
All Students	3,866	3,940	2,637	2,808	68.2	71.3	2,090	2,214	54.1	56.2	1,768	1,859	45.7	47.2
Male	1,942	1,931	1,228	1,264	63.2	65.5	967	969	49.8	50.2	821	826	42.3	42.8
Female	1,924	2,009	1,409	1,544	73.2	76.9	1,123	1,245	58.4	62.0	947	1,033	49.2	51.4
Asian	647	653	561	578	86.7	88.5	500	511	77.3	78.3	443	445	68.5	68.1
Black/African Am.	774	834	341	421	44.1	50.5	204	253	26.4	30.3	144	175	18.6	21.0
Hispanic/Latino	303	324	179	206	59.1	63.6	125	145	41.3	44.8	106	123	35.0	38.0
White	1,877	1,894	1,367	1,431	72.8	75.6	1,105	1,187	58.9	62.7	946	1,015	50.4	53.6
Two or More	253	221	184	163	72.7	73.8	152	113	60.1	51.1	125	96	49.4	43.4
FARMS	602	641	267	322	44.4	50.2	168	199	27.9	31.0	124	139	20.6	21.7
Special Ed	207	198	19	28	9.2	14.1	-	16	-	8.1	-	13	-	6.6
ELL	30	18	-	-	-	-	-	-	-	-	-	-	-	-

Note. Results for HCPSS American Indian/Alaskan Native and Native Hawaiian/Pacific Islander students are included with "All Students," but are not reported separately. AP exam results are based on data reported by the College Board as of October 2016. "-" indicates fewer than 10 AP participants, thus results are not reported to protect student privacy.

Copy to:
Executive Team

RAF:egc:ey

Appendix A

Number of AP Exam Test Takers, AP Exams Taken, and Percentage of AP Exams
with a Score of 3 or Higher and 4 or Higher by HCPSS High School and Race/Ethnicity, 2016

High School	Student Group	N Test Takers	N Exams	% Exams 3+	% Exam 4+
Atholton	All Students	383	835	85.6	61.3
	Asian	129	335	84.8	62.4
	Black/African American	27	51	66.7	35.3
	Hispanic/Latino	11	27	100.0	70.4
	White	196	387	87.3	61.8
	Two or More Races	20	35	91.4	77.1
Centennial	All Students	581	1541	83.5	59.5
	Asian	302	882	83.3	59.5
	Black/African American	12	31	74.2	38.7
	Hispanic/Latino	14	33	87.9	57.6
	White	229	532	83.1	60.9
	Two or More Races	23	62	93.5	59.7
Glenelg	All Students	463	948	77.7	49.4
	Asian	57	150	74.0	49.3
	Black/African American	25	45	64.4	17.8
	Hispanic/Latino	12	27	85.2	55.6
	White	352	681	79.3	51.8
	Two or More Races	17	45	75.6	40.0
Hammond	All Students	286	603	70.5	41.5
	Asian	41	98	58.2	30.6
	Black/African American	69	116	57.8	25.0
	Hispanic/Latino	29	56	64.3	35.7
	White	128	287	80.5	53.3
	Two or More Races	19	46	73.9	39.1
Howard	All Students	483	1116	73.3	44.3
	Asian	79	212	74.1	44.3
	Black/African American	54	108	55.6	28.7
	Hispanic/Latino	25	62	80.6	48.4
	White	295	670	74.6	46.3
	Two or More Races	30	64	79.7	45.3
Long Reach	All Students	243	496	68.3	37.9
	Asian	55	144	72.2	51.4
	Black/African American	60	116	59.5	24.1
	Hispanic/Latino	28	50	76.0	44.0
	White	88	165	69.1	33.9
	Two or More Races	11	19	68.4	42.1
Marriotts Ridge	All Students	462	1048	88.3	65.9
	Asian	176	433	89.4	71.1
	Black/African American	16	33	87.9	66.7
	Hispanic/Latino	15	34	88.2	55.9
	White	237	504	86.5	61.7
	Two or More Races	18	44	97.7	70.5

Note: "All Students" includes American Indian/Alaskan Native and Hawaiian/Pacific Islander students. Results for groups with fewer than 10 test takers are suppressed to protect student privacy.

Appendix A (Continued)

Number of AP Exam Test Takers, AP Exams Taken, and Percentage of AP Exams
with a Score of 3 or Higher and 4 or Higher by HCPSS High School and Race/Ethnicity, 2016

High School	Student Group	<i>N</i> Test Takers	<i>N</i> Exams	% Exams 3+	% Exam 4+
Mt. Hebron	All Students	380	839	86.5	62.2
	Asian	141	343	85.7	63.3
	Black/African American	22	42	83.3	54.8
	Hispanic/Latino	22	40	82.5	52.5
	White	178	373	87.7	63.0
	Two or More Races	16	38	89.5	63.2
Oakland Mills	All Students	197	411	66.9	37.7
	Asian	29	62	40.3	16.1
	Black/African American	39	71	64.8	32.4
	Hispanic/Latino	24	41	43.9	24.4
	White	84	191	78.0	49.2
	Two or More Races	21	46	80.4	39.1
Reservoir	All Students	378	760	74.6	42.9
	Asian	95	224	72.3	45.5
	Black/African American	72	138	58.7	23.9
	Hispanic/Latino	46	68	77.9	50.0
	White	136	274	83.9	50.7
	Two or More Races	28	55	72.7	32.7
River Hill	All Students	566	1444	81.8	57.0
	Asian	216	639	85.1	64.6
	Black/African American	21	45	73.3	37.8
	Hispanic/Latino	16	31	67.7	35.5
	White	286	667	79.0	51.9
	Two or More Races	27	62	90.3	58.1
Wilde Lake	All Students	240	464	78.4	56.9
	Asian	31	78	75.6	53.8
	Black/African American	38	58	69.0	29.3
	Hispanic/Latino	23	34	82.4	55.9
	White	125	250	80.0	62.4
	Two or More Races	22	42	83.3	66.7

Note: "All Students" includes American Indian/Alaskan Native and Hawaiian/Pacific Islander students. Results for groups with fewer than 10 test takers are suppressed to protect student privacy.

Appendix B

Number of AP Exam Test Takers, AP Exams Taken, AP Exams Receiving a Score of 1 through 5, and Percentage of AP Exams with a Score of 3 or Higher by HCPSS High School, 2016

High School	N Test Takers	N Exams Taken	Number of exams receiving a score of:					% Exams 3 or Higher
			1	2	3	4	5	
All HCPSS	4,663	10,506	600	1,546	2,749	2,845	2,766	79.6
Atholton	383	835	30	90	203	258	254	85.6
Centennial	581	1,541	66	188	370	386	531	83.5
Glenelg	463	948	75	136	269	249	219	77.7
Hammond	286	603	46	132	175	132	118	70.5
Howard	483	1,116	93	205	324	284	210	73.3
Long Reach	243	496	48	109	151	118	70	68.3
Marriotts Ridge	462	1,048	29	94	234	299	392	88.3
Mt. Hebron	380	839	20	93	204	264	258	86.5
Oakland Mills	197	411	43	93	120	99	56	66.9
Reservoir	378	760	49	144	241	205	121	74.6
River Hill	566	1,444	74	189	358	427	396	81.8
Wilde Lake	240	464	27	73	100	123	141	78.4

Appendix C
 Number of AP Exam Test Takers, AP Exams Taken, AP Exams Receiving a Score of 1 through 5, and
 Percentage of AP Exams with a Score of 3 or Higher by Race/Ethnicity for Each High School, 2016

High School	Student Group	N Test Takers	N Exams Taken	Number of exams receiving a score of:					% Exams 3 or Higher
				1	2	3	4	5	
All HCPSS	All Students	4,663	10,506	600	1,546	2,749	2,845	2,766	79.6
	Asian	1,351	3,600	211	470	821	964	1134	81.1
	Black/African American	455	854	88	220	285	154	107	63.9
	Hispanic/Latino	265	503	36	81	147	130	109	76.7
	White	2,335	4,982	238	709	1318	1437	1280	81.0
	Two or More Races	252	558	27	64	175	158	134	83.7
Atholton	All Students	383	835	30	90	203	258	254	85.6
	Asian	129	335	16	35	75	98	111	84.8
	Black/African American	27	51	4	13	16	10	8	66.7
	Hispanic/Latino	11	27	0	0	8	8	11	100.0
	White	196	387	9	40	99	123	116	87.3
	Two or More Races	20	35	1	2	5	19	8	91.4
Centennial	All Students	581	1,541	66	188	370	386	531	83.5
	Asian	302	882	44	103	210	213	312	83.3
	Black/African American	12	31	1	7	11	7	5	74.2
	Hispanic/Latino	14	33	0	4	10	7	12	87.9
	White	229	532	20	70	118	140	184	83.1
	Two or More Races	23	62	1	3	21	19	18	93.5
Glenelg	All Students	463	948	75	136	269	249	219	77.7
	Asian	57	150	19	20	37	33	41	74.0
	Black/African American	25	45	5	11	21	5	3	64.4
	Hispanic/Latino	12	27	1	3	8	6	9	85.2
	White	352	681	44	97	187	200	153	79.3
	Two or More Races	17	45	6	5	16	5	13	75.6
Hammond	All Students	286	603	46	132	175	132	118	70.5
	Asian	41	98	17	24	27	16	14	58.2
	Black/African American	69	116	9	40	38	17	12	57.8
	Hispanic/Latino	29	56	8	12	16	10	10	64.3
	White	128	287	9	47	78	76	77	80.5
	Two or More Races	19	46	3	9	16	13	5	73.9
Howard	All Students	483	1,116	93	205	324	284	210	73.3
	Asian	79	212	15	40	63	59	35	74.1
	Black/African American	54	108	23	25	29	20	11	55.6
	Hispanic/Latino	25	62	5	7	20	17	13	80.6
	White	295	670	47	123	190	171	139	74.6
	Two or More Races	30	64	3	10	22	17	12	79.7
Long Reach	All Students	243	496	48	109	151	118	70	68.3
	Asian	55	144	11	29	30	47	27	72.2
	Black/African American	60	116	14	33	41	16	12	59.5
	Hispanic/Latino	28	50	7	5	16	16	6	76.0
	White	88	165	15	36	58	37	19	69.1
	Two or More Races	11	19	1	5	5	2	6	68.4

Note. "All Students" includes American Indian/Alaskan Native and Hawaiian/Pacific Islander students.

Appendix C (continued)
 Number of AP Exam Test Takers, AP Exams Taken, AP Exams Receiving a Score of 1 through 5, and
 Percentage of AP Exams with a Score of 3 or Higher by Race/Ethnicity for Each High School, 2016

High School	Student Group	N Test Takers	N Exams Taken	Number of exams receiving a score of:					% Exams 3 or Higher
				1	2	3	4	5	
Marriotts Ridge	All Students	462	1,048	29	94	234	299	392	88.3
	Asian	176	433	10	36	79	103	205	89.4
	Black/African American	16	33	3	1	7	6	16	87.9
	Hispanic/Latino	15	34	0	4	11	6	13	88.2
	White	237	504	16	52	125	172	139	86.5
	Two or More Races	18	44	0	1	12	12	19	97.7
Mt. Hebron	All Students	380	839	20	93	204	264	258	86.5
	Asian	141	343	10	39	77	107	110	85.7
	Black/African American	22	42	1	6	12	15	8	83.3
	Hispanic/Latino	22	40	2	5	12	9	12	82.5
	White	178	373	7	39	92	116	119	87.7
	Two or More Races	16	38	0	4	10	16	8	89.5
Oakland Mills	All Students	197	411	43	93	120	99	56	66.9
	Asian	29	62	12	25	15	7	3	40.3
	Black/African American	39	71	8	17	23	17	6	64.8
	Hispanic/Latino	24	41	7	16	8	7	3	43.9
	White	84	191	12	30	55	60	34	78.0
	Two or More Races	21	46	4	5	19	8	10	80.4
Reservoir	All Students	378	760	49	144	241	205	121	74.6
	Asian	95	224	18	44	60	64	38	72.3
	Black/African American	72	138	13	44	48	19	14	58.7
	Hispanic/Latino	46	68	4	11	19	24	10	77.9
	White	136	274	10	34	91	86	53	83.9
	Two or More Races	28	55	4	11	22	12	6	72.7
River Hill	All Students	566	1,444	74	189	358	427	396	81.8
	Asian	216	639	30	65	131	196	217	85.1
	Black/African American	21	45	3	9	16	12	5	73.3
	Hispanic/Latino	16	31	2	8	10	8	3	67.7
	White	286	667	38	102	181	190	156	79.0
	Two or More Races	27	62	1	5	20	21	15	90.3
Wilde Lake	All Students	240	464	27	73	100	123	141	78.4
	Asian	31	78	9	10	17	21	21	75.6
	Black/African American	38	58	4	14	23	10	7	69.0
	Hispanic/Latino	23	34	0	6	9	12	7	82.4
	White	125	250	11	39	44	65	91	80.0
	Two or More Races	22	42	3	4	7	14	14	83.3

Note. "All Students" includes American Indian/Alaskan Native and Hawaiian/Pacific Islander students.

Appendix D
SY2016 AP Course Enrollment and Subsequent AP Exam Taking, and AP Exam Performance

School	AP Content	AP Exam	Number of students enrolled in the corresponding AP course	Of those enrolled in corresponding AP course, those who took the exam	% of those enrolled in corresponding AP course, those who took the exam	Total AP Exams Taken (regardless of course enrollment)	Number of AP Exams 3 or Higher	Percent of AP Exams 3 or Higher	
Atholton	English	English Lang. & Comp.	105	96	91%	98	88	90%	
		English Lit. & Comp.	65	35	54%	38	*	≥95%	
	Fine Arts	Art: Studio Art - 2-D Design	18	-	-	-	-	-	-
		Art: Studio Art - 3-D Design	-	-	-	-	-	-	-
		Art: Studio Art - Drawing	-	-	-	-	-	-	-
	Foreign Language	Chinese Language and Culture	-	-	-	10	*	≥95%	
		French Language	15	-	-	10	*	≥95%	
		Latin: Vergil	-	-	-	-	-	-	-
		Spanish Language	37	19	51%	23	*	≥95%	
	Mathematics	Spanish Literature	-	-	-	-	-	-	-
		Calculus AB	99	79	80%	79	71	90%	
		Calculus BC	40	35	88%	35	*	≥95%	
		Statistics	73	51	70%	51	45	88%	
	Science	Biology	50	35	70%	36	*	≥95%	
		Chemistry	51	*	≥95%	49	27	55%	
		Environmental Science	26	-	-	-	-	-	-
		Physics 1	70	36	51%	37	22	59%	
		Physics C - Elec & Magnetism	-	-	-	-	-	-	-
		Physics C - Mechanics	24	17	71%	19	17	89%	
	Social Studies	Economics: Macroeconomics	26	17	65%	17	14	82%	
		Economics: Microeconomics	30	21	70%	21	18	86%	
		European History	25	15	60%	15	*	≥95%	
		Government & Politics: Comp.	18	10	56%	10	6	60%	
		Government & Politics: US	90	85	94%	85	77	91%	
		Human Geography	13	11	85%	12	10	83%	
		Psychology	147	80	54%	84	69	82%	
		US History	-	-	-	-	-	-	-
	Technology	World History	76	69	91%	69	57	83%	
		Computer Science A	24	14	58%	15	12	80%	

Note. Percentages greater than or equal to 95 (≥95%) and less than or equal to 5 (≤5%) are suppressed and numerators reported as * to protect student privacy. – indicates fewer than 10 AP participants so data are not reported to protect student privacy.

Appendix D (Continued)
 SY2016 AP Course Enrollment and Subsequent AP Exam Taking, and AP Exam Performance

School	AP Content	AP Exam	Number of students enrolled in the corresponding AP course	Of those enrolled in corresponding AP course, those who took the exam	% of those enrolled in corresponding AP course, those who took the exam	Total AP Exams Taken (regardless of course enrollment)	Number of AP Exams 3 or Higher	Percent of AP Exams 3 or Higher
Centennial	English	English Lang. & Comp.	173	*	≥95%	168	144	86%
		English Lit. & Comp.	142	105	74%	105	85	81%
	Fine Arts	Art: Studio Art - 2-D Design	37	15	41%	15	*	≥95%
		Art: Studio Art - 3-D Design	19	-	-	-	-	-
		Art: Studio Art - Drawing	-	-	-	-	-	-
		History of Art	-	-	-	-	-	-
	Foreign Language	Chinese Language and Culture	13	-	-	25	*	≥95%
		French Language	18	15	83%	15	13	87%
		German Language	-	-	-	-	-	-
		Spanish Language	52	42	81%	42	37	88%
	Mathematics	Calculus AB	135	*	≥95%	133	*	≥95%
		Calculus BC	65	58	89%	59	*	≥95%
		Statistics	78	73	94%	75	66	88%
	Science	Biology	102	95	93%	96	77	80%
		Chemistry	60	54	90%	55	*	≥95%
		Environmental Science	62	45	73%	47	35	74%
		Physics I	94	69	73%	69	30	43%
		Physics C - Elec & Magnetism	28	26	93%	26	22	85%
		Physics C - Mechanics	48	45	94%	49	40	82%
	Social Studies	Economics: Macroeconomics	51	42	82%	43	35	81%
		Economics: Microeconomics	53	44	83%	44	38	86%
		European History	30	15	50%	15	12	80%
		Government & Politics: US	138	*	≥95%	132	106	80%
		Human Geography	64	24	38%	24	19	79%
		Psychology	120	85	71%	87	76	87%
		US History	39	*	≥95%	39	32	82%
		World History	113	93	82%	95	72	76%
Technology	Computer Science A	74	69	93%	74	64	86%	

Note. Percentages greater than or equal to 95 (≥95%) and less than or equal to 5 (≤5%) are suppressed and numerators reported as * to protect student privacy. – indicates fewer than 10 AP participants so data are not reported to protect student privacy.

Appendix D (Continued)
 SY2016 AP Course Enrollment and Subsequent AP Exam Taking, and AP Exam Performance

School	AP Content	AP Exam	Number of students enrolled in the corresponding AP course	Of those enrolled in corresponding AP course, those who took the exam	% of those enrolled in corresponding AP course, those who took the exam	Total AP Exams Taken (regardless of course enrollment)	Number of AP Exams 3 or Higher	Percent of AP Exams 3 or Higher	
Glenelg	English	English Lang. & Comp.	103	*	≥95%	102	95	93%	
		English Lit. & Comp.	103	74	72%	74	69	93%	
	Fine Arts	Art: Studio Art - 2-D Design	83	-	-	-	-	-	-
		Art: Studio Art - 3-D Design	-	-	-	-	-	-	-
		Art: Studio Art - Drawing	38	-	-	-	-	-	-
		History of Art	-	-	-	-	-	-	-
		Music Theory	-	-	-	-	-	-	-
	Foreign Language	Chinese Language and Culture	-	-	-	-	-	-	-
		French Language	-	-	-	-	-	-	-
		German Language	-	-	-	-	-	-	-
		Latin: Vergil	13	-	-	-	-	-	-
		Spanish Language	29	21	72%	21	18	86%	
	Mathematics	Calculus AB	136	127	93%	127	94	74%	
		Calculus BC	69	61	88%	61	54	89%	
		Statistics	71	46	65%	46	39	85%	
	Science	Biology	53	37	70%	40	35	88%	
		Chemistry	17	14	82%	14	13	93%	
		Environmental Science	18	17	94%	17	13	76%	
		Physics 1	76	37	49%	38	19	50%	
		Physics C - Elec & Magnetism	23	20	87%	20	12	60%	
		Physics C - Mechanics	33	29	88%	30	17	57%	
	Social Studies	Economics: Macroeconomics	13	-	-	-	-	-	-
		Economics: Microeconomics	34	25	74%	25	20	80%	
		European History	10	*	≥95%	10	9	90%	
		Government & Politics: Comp.	33	11	33%	11	3	27%	
		Government & Politics: US	130	118	91%	118	72	61%	
		Human Geography	11	-	-	10	8	80%	
		Psychology	94	73	78%	73	54	74%	
		US History	10	-	-	-	-	-	-
		World History	63	53	84%	53	49	92%	
	Technology	Computer Science A	17	15	88%	17	13	76%	

Note. Percentages greater than or equal to 95 (≥95%) and less than or equal to 5 (≤5%) are suppressed and numerators reported as * to protect student privacy. – indicates fewer than 10 AP participants so data are not reported to protect student privacy.

Appendix D (Continued)
 SY2016 AP Course Enrollment and Subsequent AP Exam Taking, and AP Exam Performance

School	AP Content	AP Exam	Number of students enrolled in the corresponding AP course	Of those enrolled in corresponding AP course, those who took the exam	% of those enrolled in corresponding AP course, those who took the exam	Total AP Exams Taken (regardless of course enrollment)	Number of AP Exams 3 or Higher	Percent of AP Exams 3 or Higher
Hammond	English	English Lang. & Comp.	54	49	91%	51	44	86%
		English Lit. & Comp.	58	44	76%	44	28	64%
	Fine Arts	Art: Studio Art - 2-D Design	29	14	48%	14	13	93%
		Art: Studio Art - 3-D Design	-	-	-	-	-	-
		Art: Studio Art - Drawing	-	-	-	-	-	-
		Music Theory	-	-	-	-	-	-
	Foreign Language	French Language	-	-	-	-	-	-
		Italian Language and Culture	-	-	-	-	-	-
		Spanish Language	33	24	73%	26	22	85%
	Mathematics	Calculus AB	54	51	94%	51	45	88%
		Calculus BC	31	29	94%	29	24	83%
		Statistics	36	25	69%	25	18	72%
	Science	Biology	13	10	77%	10	8	80%
		Chemistry	24	17	71%	17	3	18%
		Physics I	102	53	52%	54	13	24%
		Physics C - Elec & Magnetism	11	-	-	-	-	-
		Physics C - Mechanics	37	33	89%	33	20	61%
	Social Studies	Government & Politics: Comp.	-	-	-	-	-	-
		Government & Politics: US	82	75	91%	75	62	83%
		Human Geography	30	12	40%	12	9	75%
		Psychology	109	68	62%	71	54	76%
		US History	-	-	-	-	-	-
		World History	68	52	76%	52	32	62%
Technology	Computer Science A	39	20	51%	20	14	70%	

Note. Percentages greater than or equal to 95 ($\geq 95\%$) and less than or equal to 5 ($\leq 5\%$) are suppressed and numerators reported as * to protect student privacy. – indicates fewer than 10 AP participants so data are not reported to protect student privacy.

Appendix D (Continued)
 SY2016 AP Course Enrollment and Subsequent AP Exam Taking, and AP Exam Performance

School	AP Content	AP Exam	Number of students enrolled in the corresponding AP course	Of those enrolled in corresponding AP course, those who took the exam	% of those enrolled in corresponding AP course, those who took the exam	Total AP Exams Taken (regardless of course enrollment)	Number of AP Exams 3 or Higher	Percent of AP Exams 3 or Higher	
Howard	English	English Lang. & Comp.	131	*	≥95%	126	102	81%	
		English Lit. & Comp.	147	130	88%	131	87	66%	
	Fine Arts	Art: Studio Art - 2-D Design	31	-	-	-	-	-	-
		Art: Studio Art - 3-D Design	-	-	-	-	-	-	-
		Art: Studio Art - Drawing	12	-	-	-	-	-	-
		Music Theory	12	-	-	-	-	-	-
	Foreign Language	French Language	18	*	≥95%	18	14	78%	
		German Language	11	-	-	-	-	-	-
		Japanese Language	-	-	-	-	-	-	-
		Latin: Vergil	-	-	-	-	-	-	-
		Spanish Language	39	36	92%	36	30	83%	
	Mathematics	Calculus AB	122	113	93%	113	82	73%	
		Calculus BC	57	*	≥95%	57	*	≥95%	
		Statistics	50	41	82%	41	34	83%	
	Science	Biology	43	38	88%	40	33	83%	
		Chemistry	29	*	≥95%	28	16	57%	
		Environmental Science	16	15	94%	15	10	67%	
		Physics 1	64	55	86%	55	10	18%	
		Physics C - Elec & Magnetism	15	14	93%	14	9	64%	
		Physics C - Mechanics	39	*	≥95%	40	29	73%	
	Social Studies	Economics: Macroeconomics	65	46	71%	47	24	51%	
		Economics: Microeconomics	75	56	75%	57	34	60%	
		Government & Politics: US	76	*	≥95%	74	62	84%	
		Psychology	110	95	86%	95	76	80%	
		US History	-	-	-	-	-	-	-
		World History	71	*	≥95%	69	60	87%	
	Technology	Computer Science A	41	36	88%	37	33	89%	

Note. Percentages greater than or equal to 95 (≥95%) and less than or equal to 5 (≤5%) are suppressed and numerators reported as * to protect student privacy. – indicates fewer than 10 AP participants so data are not reported to protect student privacy.

Appendix D (Continued)
 SY2016 AP Course Enrollment and Subsequent AP Exam Taking, and AP Exam Performance

School	AP Content	AP Exam	Number of students enrolled in the corresponding AP course	Of those enrolled in corresponding AP course, those who took the exam	% of those enrolled in corresponding AP course, those who took the exam	Total AP Exams Taken (regardless of course enrollment)	Number of AP Exams 3 or Higher	Percent of AP Exams 3 or Higher
Long Reach	English	English Lang. & Comp.	57	51	89%	67	45	67%
		English Lit. & Comp.	91	55	60%	57	31	54%
	Fine Arts	Art: Studio Art - 2-D Design	28	-	-	10	9	90%
		Art: Studio Art - 3-D Design	-	-	-	-	-	-
		Art: Studio Art - Drawing	20	-	-	-	-	-
	Foreign Language	Chinese Language and Culture	-	-	-	-	-	-
		French Language	12	-	-	-	-	-
		German Language	-	-	-	-	-	-
		Spanish Language	30	18	60%	18	15	83%
	Mathematics	Calculus AB	42	34	81%	34	29	85%
		Calculus BC	23	21	91%	21	*	≥95%
		Statistics	34	18	53%	18	10	56%
	Science	Biology	25	14	56%	14	12	86%
		Chemistry	40	35	88%	36	19	53%
		Environmental Science	33	11	33%	11	2	18%
		Physics 1	46	-	-	-	-	-
		Physics C - Elec & Magnetism	-	-	-	-	-	-
	Social Studies	Physics C - Mechanics	10	-	-	-	-	-
		Economics: Macroeconomics	42	31	74%	31	23	74%
		Economics: Microeconomics	22	11	50%	11	7	64%
		Government & Politics: US	41	30	73%	30	20	67%
		Psychology	60	47	78%	48	37	77%
	Technology	World History	76	52	68%	52	39	75%
Computer Science A		17	-	-	-	-	-	

Note. Percentages greater than or equal to 95 (≥95%) and less than or equal to 5 (≤5%) are suppressed and numerators reported as * to protect student privacy. – indicates fewer than 10 AP participants so data are not reported to protect student privacy.

Appendix D (Continued)
 SY2016 AP Course Enrollment and Subsequent AP Exam Taking, and AP Exam Performance

School	AP Content	AP Exam	Number of students enrolled in the corresponding AP course	Of those enrolled in corresponding AP course, those who took the exam	% of those enrolled in corresponding AP course, those who took the exam	Total AP Exams Taken (regardless of course enrollment)	Number of AP Exams 3 or Higher	Percent of AP Exams 3 or Higher
Marriotts Ridge	English	English Lang. & Comp.	122	111	91%	111	101	91%
		English Lit. & Comp.	66	27	41%	27	23	85%
	Fine Arts	Art: Studio Art - 2-D Design	32	-	-	-	-	-
		Art: Studio Art - 3-D Design	-	-	-	-	-	-
		Art: Studio Art - Drawing	22	-	-	-	-	-
	Foreign Language	Chinese Language and Culture	-	-	-	-	-	-
		French Language	12	10	83%	11	9	82%
		German Language	-	-	-	-	-	-
		Italian Language and Culture	-	-	-	-	-	-
		Japanese Language	-	-	-	-	-	-
		Spanish Language	35	10	29%	11	6	55%
	Mathematics	Calculus AB	136	120	88%	122	*	≥95%
		Calculus BC	69	60	87%	60	*	≥95%
		Statistics	88	72	82%	72	52	72%
	Science	Biology	43	39	91%	39	34	87%
		Chemistry	21	*	≥95%	20	*	≥95%
		Environmental Science	31	14	45%	14	11	79%
		Physics 1	72	26	36%	26	13	50%
		Physics C - Elec & Magnetism	12	*	≥95%	12	*	≥95%
		Physics C - Mechanics	76	62	82%	62	*	≥95%
	Social Studies	Economics: Macroeconomics	44	31	70%	31	22	71%
		Economics: Microeconomics	55	42	76%	42	33	79%
		Government & Politics: Comp.	23	-	-	-	-	-
		Government & Politics: US	112	*	≥95%	107	99	93%
		Human Geography	63	25	40%	25	16	64%
		Psychology	177	139	79%	140	127	91%
		US History	-	-	-	-	-	-
World History		71	56	79%	57	*	≥95%	
Technology	Computer Science A	27	24	89%	25	*	≥95%	

Note. Percentages greater than or equal to 95 (≥95%) and less than or equal to 5 (≤5%) are suppressed and numerators reported as * to protect student privacy. – indicates fewer than 10 AP participants so data are not reported to protect student privacy.

Appendix D (Continued)
 SY2016 AP Course Enrollment and Subsequent AP Exam Taking, and AP Exam Performance

School	AP Content	AP Exam	Number of students enrolled in the corresponding AP course	Of those enrolled in corresponding AP course, those who took the exam	% of those enrolled in corresponding AP course, those who took the exam	Total AP Exams Taken (regardless of course enrollment)	Number of AP Exams 3 or Higher	Percent of AP Exams 3 or Higher
Mt. Hebron	English	English Lang. & Comp.	82	*	≥95%	80	74	93%
		English Lit. & Comp.	51	28	55%	29	22	76%
	Fine Arts	Art: Studio Art - 2-D Design	35	10	29%	10	*	≥95%
		Art: Studio Art - 3-D Design	-	-	-	-	-	-
		Art: Studio Art - Drawing	-	-	-	-	-	-
		Music Theory	13	-	-	-	-	-
	Foreign Language	Chinese Language and Culture	-	-	-	-	-	-
		French Language	-	-	-	-	-	-
		German Language	-	-	-	-	-	-
		Japanese Language	-	-	-	-	-	-
	Mathematics	Spanish Language	14	*	≥95%	15	13	87%
		Calculus AB	132	115	87%	116	106	91%
		Calculus BC	53	38	72%	38	*	≥95%
		Statistics	103	77	75%	77	63	82%
	Science	Biology	23	20	87%	23	19	83%
		Chemistry	28	16	57%	17	13	76%
		Environmental Science	47	37	79%	39	32	82%
		Physics 1	56	44	79%	44	32	73%
		Physics C - Elec & Magnetism	13	-	-	-	-	-
	Social Studies	Physics C - Mechanics	32	27	84%	27	25	93%
		Economics: Macroeconomics	115	97	84%	97	84	87%
		Economics: Microeconomics	-	-	-	-	-	-
		European History	11	-	-	-	-	-
		Government & Politics: Comp.	10	-	-	-	-	-
		Government & Politics: US	47	*	≥95%	49	46	94%
		Psychology	121	83	69%	84	70	83%
	Technology	World History	25	*	≥95%	26	20	77%
Computer Science A		34	32	94%	33	28	85%	

Note. Percentages greater than or equal to 95 (≥95%) and less than or equal to 5 (≤5%) are suppressed and numerators reported as * to protect student privacy. – indicates fewer than 10 AP participants so data are not reported to protect student privacy.

Appendix D (Continued)
 SY2016 AP Course Enrollment and Subsequent AP Exam Taking, and AP Exam Performance

School	AP Content	AP Exam	Number of students enrolled in the corresponding AP course	Of those enrolled in corresponding AP course, those who took the exam	% of those enrolled in corresponding AP course, those who took the exam	Total AP Exams Taken (regardless of course enrollment)	Number of AP Exams 3 or Higher	Percent of AP Exams 3 or Higher
Oakland Mills	English	English Lang. & Comp.	64	56	88%	56	31	55%
		English Lit. & Comp.	39	28	72%	28	21	75%
	Fine Arts	Art: Studio Art - 2-D Design	23	19	83%	20	*	≥95%
		History of Art	13	-	-	-	-	-
		Music Theory	-	-	-	-	-	-
	Foreign Language	Chinese Language and Culture	-	-	-	-	-	-
		French Language	-	-	-	-	-	-
		German Language	-	-	-	-	-	-
		Japanese Language	-	-	-	-	-	-
		Spanish Language	-	-	-	-	-	-
		Spanish Literature	-	-	-	-	-	-
	Mathematics	Calculus AB	53	40	75%	40	34	85%
		Calculus BC	12	-	-	-	-	-
		Statistics	37	22	59%	22	*	≥95%
	Science	Biology	11	-	-	-	-	-
		Chemistry	19	17	89%	17	8	47%
		Environmental Science	-	-	-	-	-	-
		Physics 1	53	35	66%	35	8	23%
	Social Studies	Physics C - Mechanics	10	-	-	-	-	-
		Government & Politics: US	55	40	73%	40	25	63%
		Human Geography	12	-	-	-	-	-
Psychology		46	34	74%	34	24	71%	
Technology	World History	80	50	63%	50	35	70%	
	Computer Science A	14	-	-	-	-	-	

Note. Percentages greater than or equal to 95 (≥95%) and less than or equal to 5 (≤5%) are suppressed and numerators reported as * to protect student privacy. – indicates fewer than 10 AP participants so data are not reported to protect student privacy.

Appendix D (Continued)
 SY2016 AP Course Enrollment and Subsequent AP Exam Taking, and AP Exam Performance

School	AP Content	AP Exam	Number of students enrolled in the corresponding AP course	Of those enrolled in corresponding AP course, those who took the exam	% of those enrolled in corresponding AP course, those who took the exam	Total AP Exams Taken (regardless of course enrollment)	Number of AP Exams 3 or Higher	Percent of AP Exams 3 or Higher
Reservoir	English	English Lang. & Comp.	131	112	85%	112	88	79%
		English Lit. & Comp.	114	46	40%	46	34	74%
	Fine Arts	Art: Studio Art - 2-D Design	67	-	-	-	-	-
		Art: Studio Art - 3-D Design	13	-	-	-	-	-
		Art: Studio Art - Drawing	21	-	-	-	-	-
		History of Art	30	25	83%	25	18	72%
		Music Theory	-	-	-	-	-	-
	Foreign Language	Chinese Language and Culture	-	-	-	-	-	-
		French Language	33	-	-	-	-	-
		Italian Language and Culture	-	-	-	-	-	-
		Japanese Language	-	-	-	-	-	-
		Spanish Language	70	29	41%	31	*	≥95%
	Mathematics	Calculus AB	74	61	82%	61	42	69%
		Calculus BC	24	21	88%	21	*	≥95%
		Statistics	65	35	54%	35	20	57%
	Science	Biology	34	24	71%	28	25	89%
		Chemistry	13	12	92%	12	9	75%
		Physics 1	102	33	32%	33	15	45%
		Physics 2	-	-	-	-	-	-
		Physics C - Elec & Magnetism	11	-	-	-	-	-
		Physics C - Mechanics	47	20	43%	21	11	52%
	Social Studies	Economics: Macroeconomics	41	22	54%	22	20	91%
		Economics: Microeconomics	26	-	-	-	-	-
		Government & Politics: US	81	72	89%	73	61	84%
		Human Geography	51	19	37%	19	7	37%
		Psychology	83	73	88%	73	55	75%
		US History	-	-	-	-	-	-
		World History	123	93	76%	93	73	78%
	Technology	Computer Science A	18	13	72%	13	10	77%

Note. Percentages greater than or equal to 95 (≥95%) and less than or equal to 5 (≤5%) are suppressed and numerators reported as * to protect student privacy. – indicates fewer than 10 AP participants so data are not reported to protect student privacy.

Appendix D (Continued)
 SY2016 AP Course Enrollment and Subsequent AP Exam Taking, and AP Exam Performance

School	AP Content	AP Exam	Number of students enrolled in the corresponding AP course	Of those enrolled in corresponding AP course, those who took the exam	% of those enrolled in corresponding AP course, those who took the exam	Total AP Exams Taken (regardless of course enrollment)	Number of AP Exams 3 or Higher	Percent of AP Exams 3 or Higher
River Hill	English	English Lang. & Comp.	102	*	≥95%	101	*	≥95%
		English Lit. & Comp.	139	124	89%	127	102	80%
	Fine Arts	Art: Studio Art - 2-D Design	75	31	41%	31	29	94%
		Art: Studio Art - 3-D Design	15	-	-	-	-	-
		Art: Studio Art - Drawing	-	-	-	11	*	≥95%
		History of Art	17	-	-	-	-	-
		Music Theory	-	-	-	-	-	-
	Foreign Language	Chinese Language and Culture	-	-	-	15	*	≥95%
		French Language	19	11	58%	11	10	91%
		German Language	14	13	93%	15	6	40%
		Italian Language and Culture	-	-	-	-	-	-
		Spanish Language	13	*	≥95%	13	*	≥95%
	Mathematics	Calculus AB	137	119	87%	119	112	94%
		Calculus BC	82	*	≥95%	79	*	≥95%
		Statistics	90	81	90%	81	72	89%
	Science	Biology	75	69	92%	69	65	94%
		Chemistry	35	*	≥95%	34	*	≥95%
		Environmental Science	36	*	≥95%	37	26	70%
		Physics 1	117	75	64%	75	39	52%
		Physics C - Elec & Magnetism	17	-	-	-	-	-
	Physics C - Mechanics	34	24	71%	26	24	92%	
	Social Studies	Economics: Macroeconomics	53	45	85%	45	31	69%
		Economics: Microeconomics	46	38	83%	38	27	71%
		European History	10	-	-	-	-	-
		Government & Politics: US	158	145	92%	145	103	71%
		Human Geography	71	56	79%	56	38	68%
		Psychology	179	130	73%	133	92	69%
		US History	-	-	-	-	-	-
	World History	137	121	88%	121	106	88%	
	Technology	Computer Science A	30	28	93%	31	26	84%

Note. Percentages greater than or equal to 95 (≥95%) and less than or equal to 5 (≤5%) are suppressed and numerators reported as * to protect student privacy. – indicates fewer than 10 AP participants so data are not reported to protect student privacy.

Appendix D (Continued)
 SY2016 AP Course Enrollment and Subsequent AP Exam Taking, and AP Exam Performance

School	AP Content	AP Exam	Number of students enrolled in the corresponding AP course	Of those enrolled in corresponding AP course, those who took the exam	% of those enrolled in corresponding AP course, those who took the exam	Total AP Exams Taken (regardless of course enrollment)	Number of AP Exams 3 or Higher	Percent of AP Exams 3 or Higher	
Wilde Lake	English	English Lang. & Comp.	29	20	69%	25	18	72%	
		English Lit. & Comp.	40	30	75%	32	29	91%	
	Fine Arts	Art: Studio Art - 2-D Design	45	-	-	-	-	-	-
		Art: Studio Art - 3-D Design	12	-	-	-	-	-	-
		Art: Studio Art - Drawing	-	-	-	-	-	-	-
	Foreign Language	Chinese Language and Culture	-	-	-	-	-	-	-
		French Language	-	-	-	-	-	-	-
		German Language	-	-	-	-	-	-	-
		Spanish Language	19	15	79%	16	11	69%	
	Mathematics	Spanish Literature	-	-	-	-	-	-	-
		Calculus AB	41	*	≥95%	41	*	≥95%	
		Calculus BC	22	20	91%	20	*	≥95%	
		Statistics	55	29	53%	29	24	83%	
	Science	Biology	41	30	73%	31	24	77%	
		Chemistry	-	-	-	-	-	-	-
		Environmental Science	13	-	-	-	-	-	-
		Physics 1	77	43	56%	43	15	35%	
		Physics C - Mechanics	15	10	67%	10	7	70%	
	Social Studies	Economics: Macroeconomics	24	16	67%	16	12	75%	
		Economics: Microeconomics	12	-	-	-	-	-	
		Government & Politics: US	76	*	≥95%	74	66	89%	
		Human Geography	13	-	-	-	-	-	
		Psychology	58	37	64%	37	29	78%	
US History		18	-	-	-	-	-		
World History		36	28	78%	28	23	82%		
Technology	Computer Science A	-	-	-	-	-	-		

Note. Percentages greater than or equal to 95 (≥95%) and less than or equal to 5 (≤5%) are suppressed and numerators reported as * to protect student privacy. – indicates fewer than 10 AP participants so data are not reported to protect student privacy.