



# Advanced Placement (AP) Report, 2012–2013

## Introduction

The College Board’s Advanced Placement (AP) program consists of college-level courses and corresponding end-of-course examinations. AP courses are developed by a committee of college faculty and AP teachers and are approved and authorized annually through the College Board’s AP Course Audit process. Each AP course has a corresponding exam that is administered in May of each year. A majority of colleges and universities grant credit, placement, or both to students receiving a qualifying score on an AP exam, usually 3 or higher on a 5-point scale.

Since the AP program is primarily designed for students in Grades 10 to 12,<sup>1</sup> this report focuses on students in these grade levels at district-managed schools and includes only results of exams taken after completion of the appropriate district AP course. Three district charter schools—Gompers Preparatory Academy, King-Chavez High and Preuss—offered AP programs in 2012–13. Detailed reports including charter data may be viewed at [www.sandi.net/research](http://www.sandi.net/research).

## Student Participation and Performance

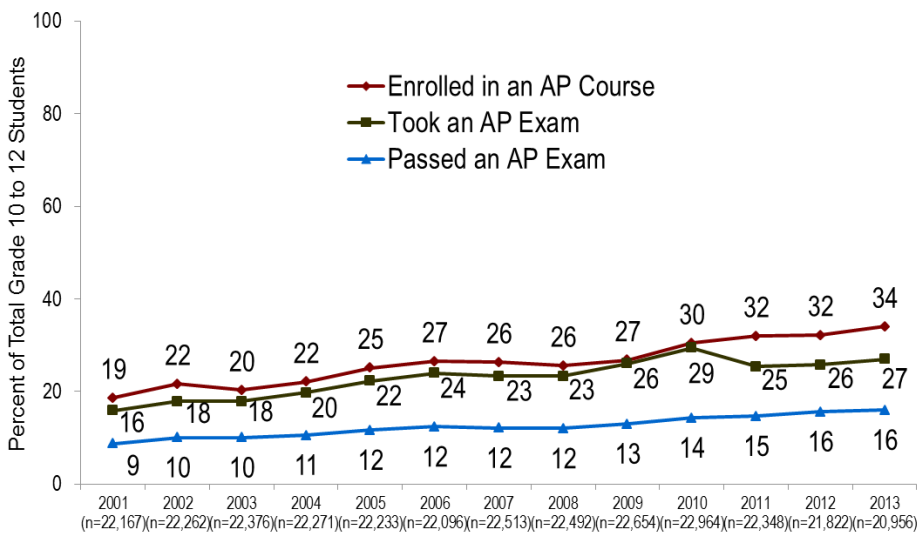


Figure 1. Student participation and performance in the AP program.

Figure 1 shows an increase in district student participation in the AP program for 2013 compared to the previous year. This is based on the proportion of all students in grades 10 to 12 who enrolled in at least one AP course (34 percent) and took at least one AP exam (27 percent). The proportion of all students who passed at least one AP exam remained unchanged at 16 percent.

Sizable gains in exam participation in 2009 and 2010 followed by a sharp decline in 2011 were due largely to the introduction and subsequent discontinuation after two years of the district AP exam fee subsidy program. To compensate for the subsidy loss, the

district no longer requires students to take an AP exam to receive weighted course credit.<sup>2</sup> All students now receive weighted credit for every AP course whether or not the corresponding AP exam is taken. This may explain why course participation was not adversely affected by the subsidy loss. It is notable that exam participation rates after the subsidy ended remain higher than rates before the subsidy years.

## Courses and Examinations

The College Board’s 2013 AP program included 34 exams with corresponding courses in these subject areas: Arts, English, History and Social Sciences, Mathematics and Computer Science, Sciences, and World Language; district students took 31 of these courses/exams.<sup>3</sup> Individual district schools offered up to 23 AP courses, with more than a

<sup>1</sup> Source: <http://apcentral.collegeboard.com/apc/public/repository/Appropriate-Grade-Levels-for-AP-Courses.pdf>.

<sup>2</sup> “Weighted course credit” means grade points are awarded on a weighted, or five-point, scale (A=5, B=4, C=3, D=1, F=0) rather than the standard 4-point scale (A=4, B=3, C=2, D=1, F=0).

<sup>3</sup> District students did not take the following AP exams in conjunction with the appropriate district AP course: Chinese Language and Culture, Italian Language and Culture, and Japanese Language and Culture.

third of non-alternative schools offering 11 or more courses (Figure 2). In 2013, there were modest increases in AP course enrollment and exam counts—12,814 course enrollments and 9,874 exams,<sup>4</sup> up from 12,590 course enrollments and 9,642 exams in 2012 (Figure 3). The exam pass rate continues its upward trend—58 percent in 2013 compared with 57 percent for 2012, yet another record-high pass rate (Figure 4).

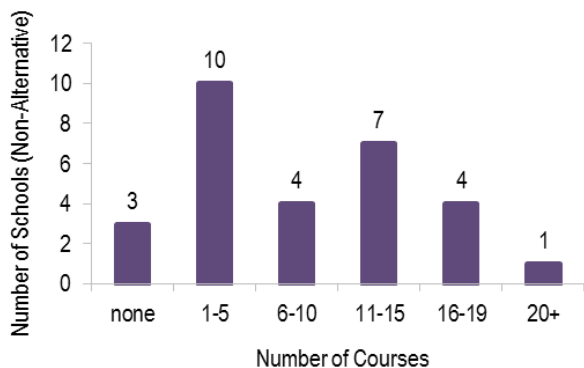


Figure 2. Number of AP courses offered at non-alternative district-managed schools, 2013.

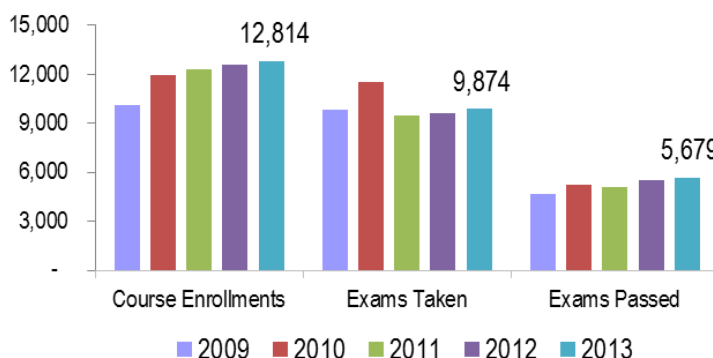


Figure 3. Number of AP course enrollments and exams taken and passed.

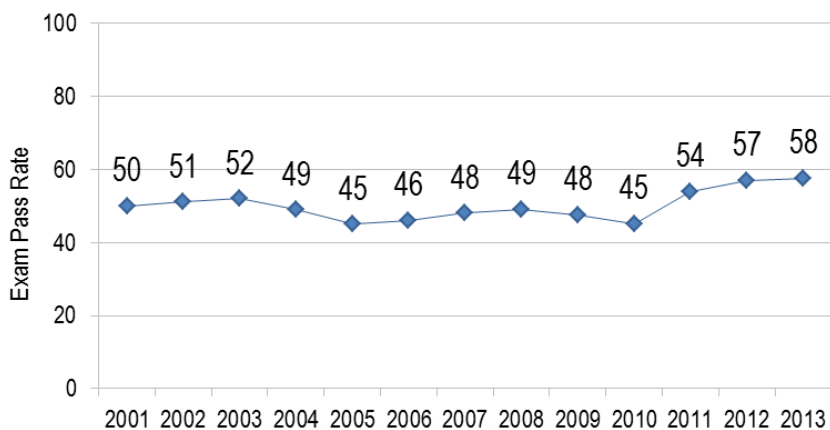


Figure 4. Exam pass rate (passing score is at least 3 on a 5-point scale).

*AP Program for Students in Grades 8 and 9.* Although the AP program is primarily geared toward students in Grades 10 to 12, a few district high schools allow selected Grade 9 students limited participation in their AP programs. In 2013, 251 Grade 9 students at district-managed schools took an AP course/exam—86 percent were from Mira Mesa, Point Loma, and University City high schools. Grade 9 students passed 151 of 247 AP exams (61 percent); 215 of the 247 exams (87 percent) were in Human Geography and Environmental Science.

Consistent with College Board policy on middle school students and AP world language courses/exams, selected Grade 8 students at Language Academy and Longfellow took the AP Spanish Language exam for the second year in a row; 39 of 69 students (57 percent) passed the exam.

### Participation and Performance by Student Group

For course participation, student groups by meal eligibility and race/ethnicity had modest rate changes, no more than a 2-percentage point difference in either direction, with more groups experiencing rate gains than losses (Tables 1 and 2). For exam pass rates, most groups experienced slight to no changes in rates; African American students posted a notable 4-percentage point gain. The Native American and Pacific Islander groups each posted a double-digit rate change in pass rate, however, these results should be interpreted with caution due to their relatively small group and exam count, which often result in large rate fluctuations from year to year. Among the larger racial/ethnic student groups, Asian students had the highest course participation and exam pass rates; African American students had the lowest course participation rates and exam pass rates. Similar to other assessments, gaps in AP participation and performance persist. Among the largest racial/ethnic groups in the district, the widest gaps are between White students and African American students (Figures 5 and 6).

<sup>4</sup> Students in Grades 10 to 12 at district-managed schools took 405 AP exams without the corresponding district AP course.

Table 1. Student course participation by eligibility for free or reduced-price meals and race/ethnicity.

Group	2009			2010			2011			2012			2013		
	Total Student Count	Students with an AP Course	Rate %	Total Student Count	Students with an AP Course	Rate %	Total Student Count	Students with an AP Course	Rate %	Total Student Count	Students with an AP Course	Rate %	Total Student Count	Students with an AP Course	Rate %
Not Meal-Eligible	10,453	3,761	36	9,544	4,096	43	8,923	4,155	47	8,555	3,958	46	8,368	3,936	47 ↑
Meal-Eligible	12,201	2,300	19	13,420	2,892	22	13,425	2,991	22	13,267	3,066	23	12,588	3,149	25 ↑
African American	2,903	428	15	2,810	507	18	2,568	459	18	2,424	430	18	2,162	429	20 ↑
Asian	758	428	56	753	453	60	748	424	57	737	435	59	761	447	59
Filipino	2,007	661	33	1,946	740	38	1,857	770	41	1,755	758	43	1,692	765	45 ↑
Hispanic	9,404	1,660	18	9,710	1,951	20	9,281	1,914	21	9,024	1,852	21	8,581	1,857	22 ↑
Indochinese	1,467	561	38	1,458	661	45	1,447	669	46	1,485	687	46	1,486	704	47 ↑
Native American	99	26	26	104	34	33	94	39	41	73	31	42	62	13	21 ↓
Pacific Islander	199	26	13	190	52	27	174	41	24	169	43	25	152	36	24 ↓
White	5,817	2,271	39	5,632	2,481	44	5,624	2,633	47	5,445	2,522	46	5,229	2,508	48 ↑
Multiracial	--	--	--	361	109	30	555	197	35	710	266	37	831	326	39 ↑
<b>Total</b>	<b>22,654</b>	<b>6,061</b>	<b>27</b>	<b>22,964</b>	<b>6,988</b>	<b>30</b>	<b>22,348</b>	<b>7,146</b>	<b>32</b>	<b>21,822</b>	<b>7,024</b>	<b>32</b>	<b>20,956</b>	<b>7,085</b>	<b>34 ↑</b>

Table 2. Exam pass rate by eligibility for free or reduced-price meals and race/ethnicity.

Group	2009			2010			2011			2012			2013		
	Exams Taken	Exams Passed	Rate %	Exams Taken	Exams Passed	Rate %	Exams Taken	Exams Passed	Rate %	Exams Taken	Exams Passed	Rate %	Exams Taken	Exams Passed	Rate %
Not Meal-Eligible	6,490	3,647	56	7,232	3,899	54	5,637	3,620	64	5,634	3,787	67	5,750	3,935	68 ↑
Meal-Eligible	3,353	1,040	31	4,316	1,314	30	3,857	1,495	39	4,008	1,706	43	4,124	1,744	42 ↓
African American	573	95	17	723	123	17	520	129	25	450	123	27	446	138	31 ↑
Asian	897	595	66	978	619	63	788	556	71	827	594	72	892	634	71 ↓
Filipino	1,093	435	40	1,291	453	35	1,003	466	46	1,014	486	48	1,102	529	48
Hispanic	2,387	910	38	2,815	1,052	37	2,233	990	44	2,195	1,040	47	2,112	987	47
Indochinese	1,024	390	38	1,241	462	37	1,026	477	46	1,117	559	50	1,159	578	50
Native American	43	21	49	50	21	42	46	21	46	39	13	33	18	16	89 ↑
Pacific Islander	43	16	37	74	36	49	46	22	48	46	25	54	48	18	38 ↓
White	3,783	2,225	59	4,188	2,360	56	3,574	2,303	64	3,621	2,448	68	3,647	2,486	68
Multiracial	--	--	--	188	87	46	258	151	59	333	205	62	450	293	62 ↑
<b>Total</b>	<b>9,843</b>	<b>4,687</b>	<b>48</b>	<b>11,548</b>	<b>5,213</b>	<b>45</b>	<b>9,494</b>	<b>5,115</b>	<b>54</b>	<b>9,642</b>	<b>5,493</b>	<b>57</b>	<b>9,874</b>	<b>5,679</b>	<b>58 ↑</b>

Note: In Tables 1 and 2 above, the 2013 rate is highlighted in green if it represents an increase ↑ from the previous year; red, if it represents a decrease ↓.

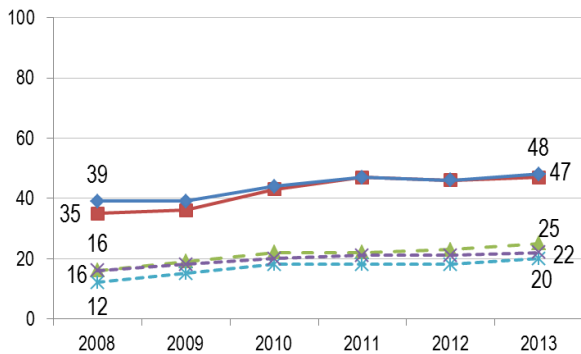


Figure 5. Course participation by selected student group.

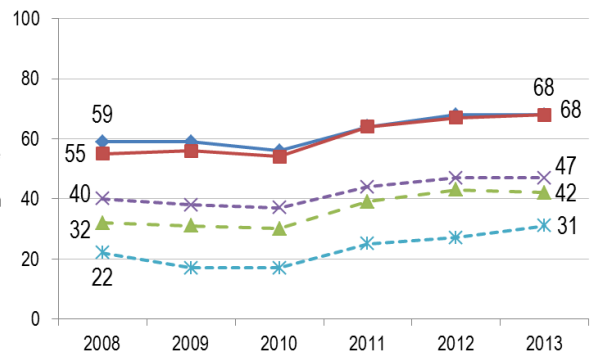


Figure 6. Exam pass rate by selected student group.

Other Student Groups.<sup>5</sup> AP participation and performance data by language fluency, disability status, gifted-identified status, homeless or foster situation, and military affiliation are shown in Table 3.

Table 3. AP participation and performance data by selected student group, 2012 and 2013.

Category	Student Group	Total Gr 10 to 12 Student Count		Students With AP Course		Student AP Course Part. Rate (%)		Exams Taken		Exams Passed		Pass Rate (%)	
		2012	2013	2012	2013	2012	2013	2012	2013	2012	2013	2012	2013
Language Fluency	English Fluent	13,575	12,878	5,180	5,119	38	40	7,260	7,269	4,407	4,513	61	62
	English Learner (EL)	2,352	1,926	130	114	6	6	129	95	46	39	36	41
	Reclassified EL	5,851	6,114	1,708	1,845	29	30	2,248	2,510	1,039	1,127	46	45
Disability Status	Students with Disabilities (SWD)	1,913	1,730	123	87	6	5	107	82	51	37	48	45
	Not SWD	19,909	19,226	6,901	6,998	35	36	9,535	9,792	5,442	5,642	57	58
Gifted-Identified Status	Gifted-Identified	6,432	6,351	3,519	3,572	55	56	5,562	5,907	3,697	3,920	66	66
	Not Gifted-Identified	15,390	14,605	3,505	3,513	23	24	4,080	3,967	1,796	1,759	44	44
Homeless, Foster, Military	Homeless	669	776	86	127	13	16	103	168	37	73	36	43
	Foster	89	81	7	7	8	9	11	10	4	6	36	60
	Military Family	1,056	1,054	313	355	30	34	378	420	204	219	54	52

<sup>5</sup> The Students with Disabilities (SWD) group includes students who receive special education services through an Individualized Education Program (IEP). The SWD group does not include students who receive services through Section 504 of the Rehabilitation Act of 1973.

## District Graduates Compared with California and the Nation

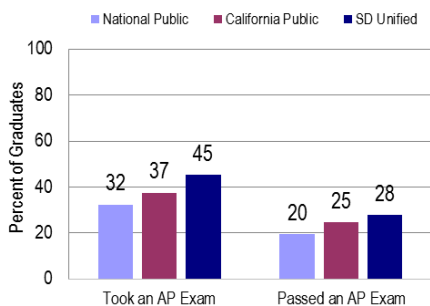


Figure 7. AP data for 2012 graduates.

The College Board reports AP participation and performance in terms of percentages of graduates who have taken and passed an AP exam at any time during their high school years. Historically, the district has performed well on these measures when compared with both the state and the nation; higher proportions of district graduates take and pass one or more AP exams during high school than their counterparts in public schools across California and the nation. Figure 7 shows the most recent data available. Of district graduates in 2011–12, 45 percent took an AP exam during high school compared with 32 percent for the nation and 37 percent for California; 28 percent of district graduates passed at least one AP exam during high school compared with 20 percent for the nation and 25 percent for California.

## Exam Results by Subject Area

Table 4. Exam pass rates by subject area, 2012–2013<sup>6</sup>

Subject Area	AP Course/Exam	National Exam Pass Rate (%) <sup>7</sup>	SD Unified, Grades 10 to 12, With AP Course		
			Exams Taken	Exams Passed	Rate (%)
<b>Art</b>	Art: Studio Art 2-D Design Portfolio	79.1	104	89	<b>85.6</b>
	Art: Studio Art 3-D Design Portfolio	67.8	2	2	--
	Art: Studio Art-Drawing Portfolio	78.5	44	26	<b>59.1</b>
	History of Art	60.6	254	189	<b>74.4</b>
	Music Theory	61.0	41	20	<b>48.8</b>
	<b>Art Total</b>		<b>445</b>	<b>326</b>	<b>73.3</b>
<b>English Language Arts</b>	English Language & Composition	55.0	1,256	717	<b>57.1</b>
	English Literature & Composition	57.9	1,213	573	<b>47.2</b>
	<b>English Language Arts Total</b>		<b>2,469</b>	<b>1290</b>	<b>52.2</b>
<b>History/Social Science</b>	Economics: Macroeconomics	54.3	106	56	<b>52.8</b>
	Economics: Microeconomics	66.7	25	11	<b>44.0</b>
	European History	63.9	538	316	<b>58.7</b>
	Government & Politics: Comparative	59.8	1	1	--
	Government & Politics: United States	51.6	572	301	<b>52.6</b>
	Human Geography	53.0	36	20	<b>55.6</b>
	Psychology	67.3	858	584	<b>68.1</b>
	United States History	53.8	1,011	574	<b>56.8</b>
	World History	48.9	594	273	<b>46.0</b>
	<b>History/Social Science Total</b>		<b>3,741</b>	<b>2,136</b>	<b>57.1</b>
<b>Mathematics/Computer Science</b>	Calculus AB	59.4	570	278	<b>48.8</b>
	Calculus BC	79.9	46	33	<b>71.7</b>
	Computer Science A	67.1	149	129	<b>86.6</b>
	Statistics	57.9	518	248	<b>47.9</b>
	<b>Mathematics/Computer Science Total</b>		<b>1,283</b>	<b>688</b>	<b>53.6</b>
<b>Science</b>	Biology	63.3	532	409	<b>76.9</b>
	Chemistry	59.1	265	136	<b>51.3</b>
	Environmental Science	48.2	403	194	<b>48.1</b>
	Physics B	62.6	129	45	<b>34.9</b>
	Physics C: Electricity & Magnetism	69.4	3	3	--
	Physics C: Mechanics	74.6	120	86	<b>71.7</b>
	<b>Science Total</b>		<b>1,452</b>	<b>873</b>	<b>60.1</b>
<b>World Language</b>	Chinese Language & Culture	77.7	0	0	--
	French Language	74.9	15	12	<b>80.0</b>
	German Language	71.5	1	1	--
	Italian Language	65.5	0	0	--
	Japanese Language & Culture	60.7	0	0	--
	Latin: Vergil	66.6	20	16	<b>80.0</b>
	Spanish Language	56.1	398	291	<b>73.1</b>
	Spanish Literature	76.6	50	46	<b>92.0</b>
	<b>World Language Total</b>		<b>484</b>	<b>366</b>	<b>75.6</b>
	<b>Grand Total</b>		<b>9,874</b>	<b>5,679</b>	<b>57.5</b>

<sup>6</sup> Data only include results for AP exams taken after completion of the appropriate district AP course by students in Grades 10 to 12 at district-managed schools. For detailed reports that include charter schools and exams that were taken without the corresponding district AP course, please go to [www.sandi.net/research](http://www.sandi.net/research).

<sup>7</sup> Source: <http://media.collegeboard.com/digitalServices/pdf/research/2013/STUDENT-SCORE-DISTRIBUTIONS-2013.pdf>

## Participation and Performance by School

Table 5. AP student data by school, 2012–2013

School		Total Gr 10 to 12 Enrollment	Took an AP Course		Took an Examination		Passed an AP Examination	
			N	%	N	%	N	%
332	Clairemont High	800	224	<b>28.0</b>	187	<b>23.4</b>	124	<b>15.5</b>
334	Crawford High	731	214	<b>29.3</b>	178	<b>24.4</b>	91	<b>12.4</b>
336	Henry High	1,690	632	<b>37.4</b>	512	<b>30.3</b>	347	<b>20.5</b>
338	Hoover High	1,233	228	<b>18.5</b>	217	<b>17.6</b>	92	<b>7.5</b>
504	iHigh Virtual Academy	48	11	<b>22.9</b>	6	<b>12.5</b>	3	<b>6.3</b>
736	Kearny Construction Tech	209	1	<b>0.5</b>	0	<b>0.0</b>	--	--
733	Kearny Digital Media & Design	275	104	<b>37.8</b>	67	<b>24.4</b>	30	<b>10.9</b>
735	Kearny International Business	249	45	<b>18.1</b>	13	<b>5.2</b>	11	<b>4.4</b>
734	Kearny SCT	255	94	<b>36.9</b>	88	<b>34.5</b>	39	<b>15.3</b>
342	La Jolla High	1,056	620	<b>58.7</b>	504	<b>47.7</b>	414	<b>39.2</b>
637	Lincoln High	1,019	219	<b>21.5</b>	150	<b>14.7</b>	40	<b>3.9</b>
346	Madison High	778	245	<b>31.5</b>	189	<b>24.3</b>	66	<b>8.5</b>
349	Mira Mesa High	1,791	732	<b>40.9</b>	561	<b>31.3</b>	342	<b>19.1</b>
350	Mission Bay High	855	64	<b>7.5</b>	38	<b>4.4</b>	19	<b>2.2</b>
352	Morse High	1,191	348	<b>29.2</b>	315	<b>26.4</b>	172	<b>14.4</b>
395	Mt. Everest Academy	119	49	<b>41.2</b>	21	<b>17.6</b>	13	<b>10.9</b>
369	Muir	42	6	<b>14.3</b>	6	<b>14.3</b>	0	<b>0.0</b>
354	Point Loma High	1,353	696	<b>51.4</b>	563	<b>41.6</b>	331	<b>24.5</b>
749	San Diego Business	273	59	<b>21.6</b>	51	<b>18.7</b>	19	<b>7.0</b>
503	San Diego Early/Middle College	113	110	<b>97.3</b>	63	<b>55.8</b>	15	<b>13.3</b>
744	San Diego Int'l Studies	490	89	<b>18.2</b>	54	<b>11.0</b>	38	<b>7.8</b>
745	San Diego LEADS	234	3	<b>1.3</b>	3	<b>1.3</b>	0	<b>0.0</b>
500	San Diego Metro Career & Tech	120	0	<b>0.0</b>	--	--	--	--
750	San Diego MVP Arts	255	1	<b>0.4</b>	1	<b>0.4</b>	0	<b>0.0</b>
753	San Diego Science & Technology	337	80	<b>23.7</b>	76	<b>22.6</b>	20	<b>5.9</b>
368	San Diego SCPA	517	216	<b>41.8</b>	155	<b>30.0</b>	89	<b>17.2</b>
359	Scripps Ranch High	1,618	759	<b>46.9</b>	675	<b>41.7</b>	552	<b>34.1</b>
357	Serra High	1,298	560	<b>43.1</b>	388	<b>29.9</b>	221	<b>17.0</b>
355	University City High	1,304	675	<b>51.8</b>	534	<b>41.0</b>	358	<b>27.5</b>
<b>Regular Schools Total</b>		<b>20,253</b>	<b>7,084</b>	<b>35.0</b>	<b>5,615</b>	<b>27.7</b>	<b>3,446</b>	<b>17.0</b>
331	ALBA	17	0	<b>0.0</b>	--	--	--	--
361	Garfield High	278	0	<b>0.0</b>	--	--	--	--
382	Home & Hosp/Transition	42	0	<b>0.0</b>	--	--	--	--
364	Riley/New Dawn	54	0	<b>0.0</b>	--	--	--	--
362	Twain High	312	1	<b>0.3</b>	0	<b>0.0</b>	--	--
<b>Alternative Schools Total</b>		<b>703</b>	<b>1</b>	<b>0.1</b>	<b>0</b>	<b>0.0</b>	--	--
<b>District-Managed Schools Total</b>		<b>20,956</b>	<b>7,085</b>	<b>33.8</b>	<b>5,615</b>	<b>26.8</b>	<b>3,446</b>	<b>16.4</b>

Note: Results are suppressed when the size of the group under consideration (or denominator) is less than 10.

Data do not include International Baccalaureate courses or exams offered at Mission Bay and San Diego International Studies.

Table 6. AP course enrollment and exam data by school, 2012–2013

School	AP Courses Offered	Total Gr 10 to 12 Enrollment	AP Course Enrollments		AP Examinations Taken		AP Examinations Passed		
			N	Per 100 students	N	Per 100 students	N	%	
332	Clairemont High	12	800	404	50.5	337	42.1	202	59.9
334	Crawford High	9	731	382	52.3	278	38.0	107	38.5
336	Henry High	16	1,690	1,126	66.6	918	54.3	584	63.6
338	Hoover High	9	1,233	330	26.8	316	25.6	115	36.4
504	iHigh Virtual Academy	12	48	14	29.2	7	14.6	4	57.1
736	Kearny Construction Tech	0	209	1	0.5	0	0.0	--	--
733	Kearny Digital Media & Design	4	275	138	50.2	92	33.5	32	34.8
735	Kearny International Business	1	249	48	19.3	12	4.8	8	66.7
734	Kearny SCT	4	255	137	53.7	127	49.8	48	37.8
342	La Jolla High	23	1,056	1,501	142.1	1,143	108.2	883	77.3
637	Lincoln High	11	1,019	336	33.0	208	20.4	46	22.1
346	Madison High	9	778	433	55.7	335	43.1	91	27.2
349	Mira Mesa High	17	1,791	1,286	71.8	947	52.9	548	57.9
350	Mission Bay High	1	855	64	7.5	38	4.4	19	50.0
352	Morse High	15	1,191	710	59.6	621	52.1	268	43.2
395	Mt. Everest Academy	9	119	97	81.5	34	28.6	23	67.6
369	Muir	0	42	6	14.3	6	14.3	0	0.0
354	Point Loma High	18	1,353	1,200	88.7	980	72.4	534	54.5
749	San Diego Business	5	273	125	45.8	94	34.4	23	24.5
503	San Diego Early/Middle College	3	113	112	99.1	62	54.9	13	21.0
744	San Diego Int'l Studies	2	490	90	18.4	55	11.2	34	61.8
745	San Diego LEADS	2	234	3	1.3	3	1.3	0	0.0
500	San Diego Metro Career & Tech	0	120	0	0.0	--	--	--	--
750	San Diego MVP Arts	1	255	1	0.4	1	0.4	0	0.0
753	San Diego Science & Technology	4	337	96	28.5	93	27.6	17	18.3
368	San Diego SCPA	11	517	328	63.4	218	42.2	122	56.0
359	Scripps Ranch High	19	1,618	1,394	86.2	1,222	75.5	945	77.3
357	Serra High	15	1,298	1,190	91.7	786	60.6	410	52.2
355	University City High	15	1,304	1,263	96.9	941	72.2	603	64.1
	<b>Regular Schools Total</b>	<b>31</b>	<b>20,253</b>	<b>12,815</b>	<b>63.3</b>	<b>9,874</b>	<b>48.8</b>	<b>5,679</b>	<b>57.5</b>
331	ALBA	0	17	0	0	--	--	--	--
361	Garfield High	0	278	0	0	--	--	--	--
382	Home & Hosp/Transition	0	42	0	0	--	--	--	--
364	Riley/New Dawn	0	54	0	0	--	--	--	--
362	Twain High	0	312	1	0.3	0	--	--	--
	<b>Alternative Schools Total</b>	<b>0</b>	<b>703</b>	<b>1</b>	<b>0.1</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>
	<b>District-Managed Schools Total</b>	<b>31</b>	<b>20,956</b>	<b>12,816</b>	<b>61.2</b>	<b>9,874</b>	<b>47.1</b>	<b>5,679</b>	<b>57.5</b>

Notes (1) Results are suppressed when the size of the group under consideration (or denominator) is less than 10.

(2) Data do not include International Baccalaureate courses or exams offered at Mission Bay and San Diego International Studies.

(3) Counts exclude AP subscores for Calculus BC (Calculus AB subscore) and Music Theory (Aural and Non-Aural subscores).

Please visit the district website for detailed AP reports and information (<http://www.sandi.net/research>).