

**MEMORANDUM**

November 9, 2010

TO: Board Members

FROM: Terry B. Grier, Ed.D.  
Superintendent of Schools

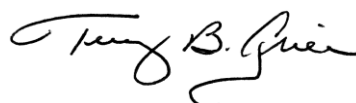
SUBJECT: **ADVANCED PLACEMENT (AP) REPORT: 2009–2010**

CONTACT: Carla Stevens, Research and Accountability, 713-556-6700

The Department of Research and Accountability has completed the 2009–2010 Advanced Placement (AP) Report. The AP program directly supports HISD's Strategic Direction for Core Initiative 3: Rigorous Instructional Standards and Supports. The AP Program provides high school students with the opportunity to take college-level courses and earn college credit. A possible 37 AP exams are offered in 22 subject areas, and exams are administered over a two-week period each year in May. The AP grade scale ranges from 1 to 5, and a score of 3 or higher qualifies a student to earn advanced placement, college credit, or both. Some key findings are as follows:

- The total number of exams taken by HISD students increased to 16,556 in 2010 from 11,594 in 2009, up by 39 percent, or 4,481 exams.
- In the 2008–2009 school year, 32 HISD high schools offered at least one AP course, and in 2009–2010, the number of HISD high schools offering at least one AP course increased to 36.
- Of the 32 HISD campuses who tested students on AP exams in both 2009 and 2010, 25 of 32 (78%) increased the number of students taking exams, and 26 of 32 (81%) campuses increased the number of exams taken. Eighteen of the 23 campuses with two years of reportable data (78%) experienced an increase in the number of exams scoring a 3 or higher.

Attached is the complete report including an analysis of districtwide results as well as for all HISD schools that had participating students. Data presented include AP course enrollment, AP course completion, and AP exam participation and performance. Results were analyzed by grade, race/ethnicity, and gender.



TBG

Attachment

cc: Superintendent's Direct Reports  
Chief School Officers  
School Improvement Officers  
Martha Salazar-Zamora  
Estibaliz Arriaga  
June Giddings



# RESEARCH

Educational Program Report

## Advanced Placement (AP) Report 2009–2010



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# Advanced Placement 2009–2010

## Introduction

The College Board's Advanced Placement (AP) Program provides participating students with the opportunity to take college-level courses while still in high school and earn college credit, advanced placement, or both. A possible 37 examinations, covering 22 subject areas, are administered in May at participating schools. Ninety percent 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 scale of 1 to 5). Studies show that students who take AP courses and exams are more likely to succeed in college. Families may experience financial benefits if their child receives advanced placement, college credit or both.

Other benefits afforded to students include opportunities that lead to scholarships or recognition. The Siemens Awards for Advanced Placement is a scholarship with an award ranging from \$2,000 to \$5,000 given to two students (one male and one female) from each of the 50 states, and the AP program also offers a number of Scholar Awards to AP students who have shown outstanding achievement, which is acknowledged on any grade report that is sent to colleges the following fall. In addition, teachers involved in the AP program benefit from professional development opportunities such as workshops and Summer Institutes (College Board, AP Central, 2008g). For the 2009–2010 school year, HISD schools had all courses labeled as “AP” authorized through the College Board AP Course Audit process. This audit process will ensure that quality courses meeting “AP” requirements are being offered, and that colleges and universities have a venue to review authorized courses offered by secondary schools (College Board, AP Central, 2008f).

## Administration

The Educational Testing Services (ETS) mails out the AP exams along with other exam-related materials to participating schools in April or early May. The AP exams are administered each year in May over a two-week period. Once testing is completed, all AP exams are returned to ETS.

## Scoring

Each examination subject is graded on a scale of 1 (No recommendation) to 5 (Extremely well qualified). Typically, scores of 3 or above qualify a student to receive advanced placement, college credit, or both. Multiple-choice sections are scored by computer. The free-response section is typically scored using a three-step process: development of preliminary scoring standards, establishment of final scoring standards, and the reading. AP examinations may be compared from one year to another through equating (College Board, AP Central, 2004).

## Methods

### Data Limitations

The College Board receives AP data from the Educational Testing Service (ETS). It is important to understand that the extracts are made from a “live” data base that changes from one day to the next as scoring and adjustments to individual student records progresses in the months following the examination administration. **Therefore, discrepancies may exist between the three sources of data that are used for AP exam reporting purposes, namely the College Board Reports (hard copy), the AP Online Score Reports, and the College Board (electronic) data file based on the time of the data extract. AP**

data for prior years were extracted from the most recent, updated files available at the time of the present report, and data for the current school year were extracted from the August 14, 2010 electronic files. Data for the state of Texas is included in the College Board Report, but this information is also available by late November on the College Board website. The Texas data may differ from these two sources.

To provide disaggregated student level demographic information, the College Board AP electronic databases were matched to the Public Education Information Management System (PEIMS) database, and the Chancery End-of-Year (EOY) data files. Since the PEIMS database reflects a snapshot taken on the last Friday in October, those students who were not present would not be included in the database. Students who were identified as enrolled in AP courses were required to be active students as of the EOY database and to have completed the course with a final semester grade or final grade in both the fall and spring semesters of a full year course.

### **Participants**

Longitudinal test performance from 2005–2010, along with demographic information supplied by students, was reported to HISD for each participating campus by the College Board via printed reports and an electronic database (September, 2009 and August 14, 2010). The 2010 global scores for test performance by subject were extracted from the 2010 College Board Report. These data, together with enrollment data from PEIMS and Chancery, were analyzed. State level data, including the number of AP subject tests taken along with the percentage of scores that were 3 or above, were extracted from the 2009–2010 College Board Reports. Participation rates for juniors and seniors were calculated by dividing the number of students tested by the PEIMS snapshot of fall enrollment for the same group. Participation rates for juniors and seniors were calculated across the district and by school.

The number of students eligible to complete AP courses consists of those enrolled in both semesters of a two-semester course as per the Chancery EOY database and/or those enrolled in a one-semester course. Completion percentages are based on the number eligible to complete and the number completing.

Course completion was determined by counting those students who received a semester average grade of 70 or higher for both semesters of a two-semester course or receiving a 70 or higher for a one-semester course. Once this was computed, it was divided by the total number of students who were eligible to complete.

Mean test scores by gender, race/ethnicity, and economic status for AP subjects were analyzed by comparing mean scores. For race/ethnicity, the number of Hispanic students combines the total populations for the Chicano/Mexican, Puerto Rican, and Other Hispanic racial/ethnic categories. To determine the percentage of students who scored 3 or above on AP subject tests by race/ethnicity, the total number of tests scoring a 3 or higher was divided by the total number of tests taken for each ethnic category.

### **Data Collection and Analysis**

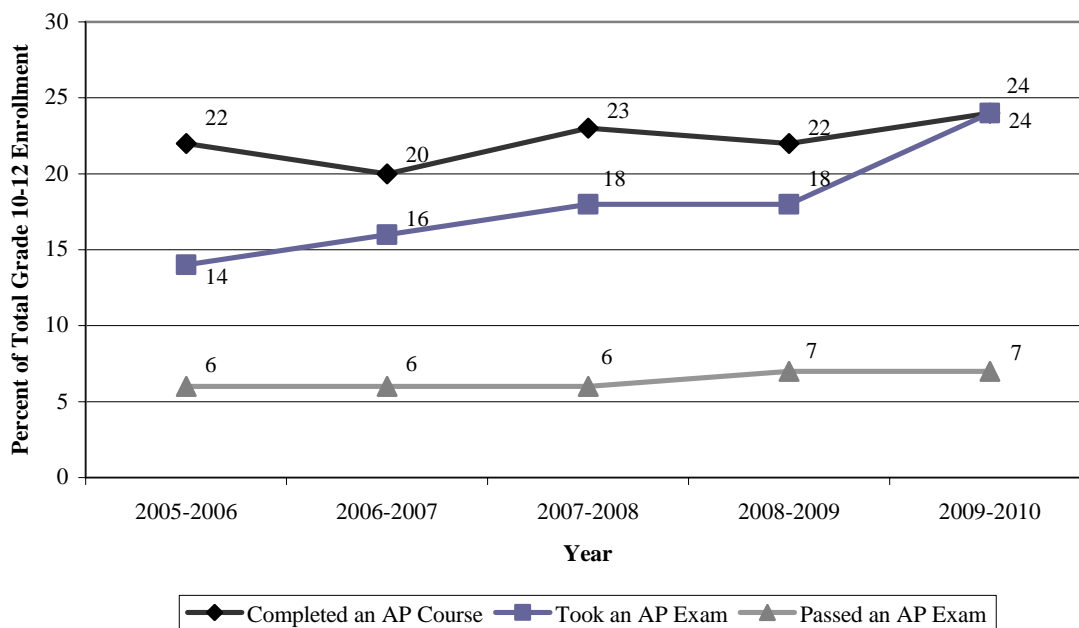
The College Board reported test performance, along with demographic information supplied by the students to HISD. These data included results for all HISD schools that had participating students. These data, together with enrollment data from the Public Education Information Management System (PEIMS) database, were analyzed. Analyses were conducted using the aggregated data by grade, race/ethnicity, and gender. Results were analyzed districtwide and by campus level.

## Results

### Districtwide Participation

The total number of exams taken by HISD students increased to 16,556 in 2010 from 11,594 in 2009, up by 39 percent, or 4,481 exams. The percent of exams scored at a 3 or higher was 38 percent, a decrease of 4 percentage points from 2009. District data for 2008–2009 were drawn from the corrected electronic file provided by the College Board and only included exams taken by HISD high school students. **Figure 1** shows the percent of students in grades 10–12 who completed an AP course, the percent who took an AP exam, and the percent who passed an AP exam from 2006 to 2010. Percentages are based on grades 10–12 enrollment.

**Figure 1: Grade 10-12 AP Participation and Performance**



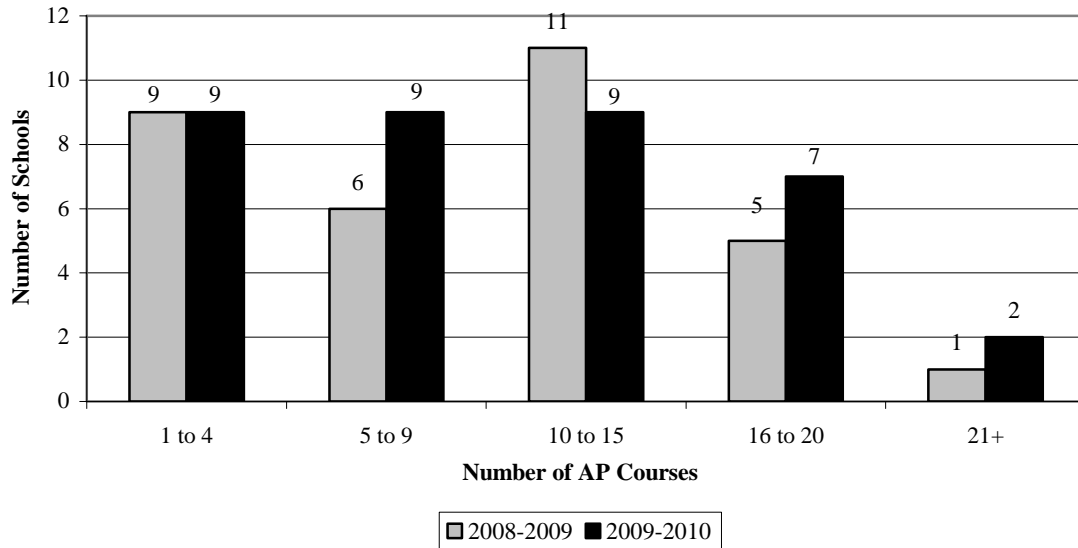
Note: Completion of an AP course is defined as receiving a passing grade at the end of the course.

- Since the 2005–2006 school year, the percentage of students in grades 10 through 12 who took at least one AP exam has increased from a low of 14 percent in 2005–2006 to a high of 24 percent in 2009–2010.
- The percentage of HISD students in grades 10 through 12 who completed at least one AP course has increased slightly from 22 percent in 2005–2006 to 24 percent in 2009–2010.
- Seven percent of HISD students enrolled in grades 10-12 passed at least one AP exam in 2008–2009 and 2009–2010, up slightly from 6 percent from the 2005–2006 through the 2007–2008 school years.

### AP Course Offerings

**Figure 2** shows the distribution of AP courses offered in district high schools for the 2009–2010 school year.

**Figure 2: Distribution of AP Course Offerings, 2008-2009 and 2009-2010**



Note: Includes only campuses offering at least one AP course for the specified years.

- In the 2008–2009 school year, 32 HISD high schools offered at least one AP course, and in 2009–2010, the number of HISD high schools offering at least one AP course increased to 36.
- Nine district campuses offered between one and four, five to nine, and 10 to 15 AP courses in 2009–2010; and there were increases in the number of campuses offering 16 to 20 and 21 or more AP courses from 2008–2009 to 2009–2010.

### Participation by Student Group

The number and percent of HISD total enrollment and AP course enrollment for grades 10–12 by race/ethnicity and economic status are presented in **Table 1**. This reflects an unduplicated count of students.

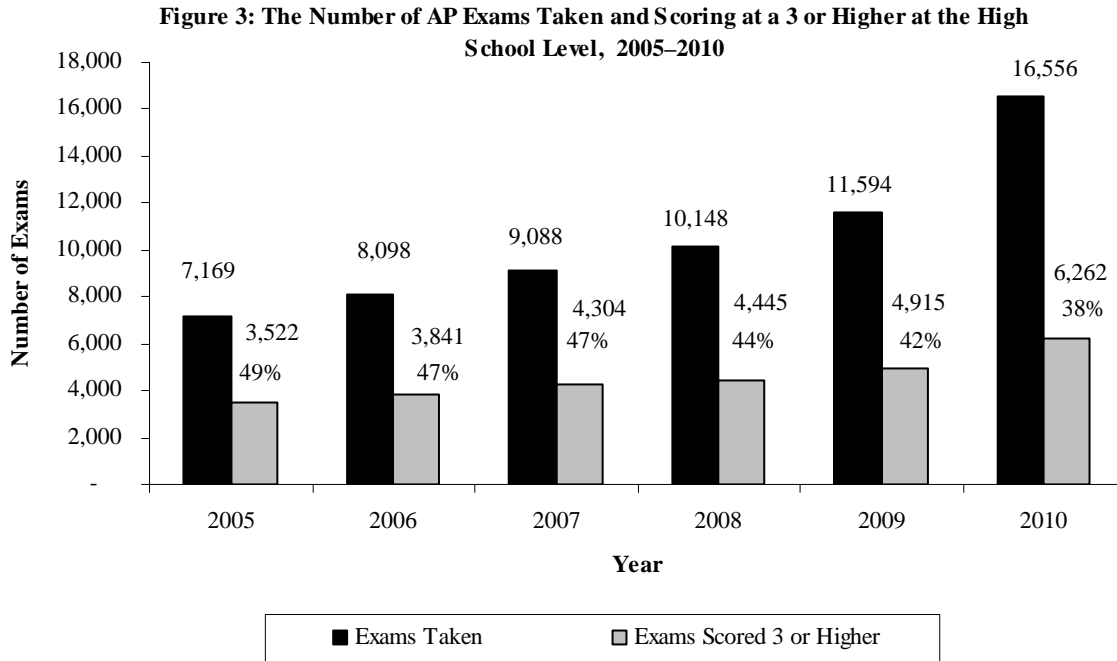
Student Group	N Enrolled	% Total Enrollment	N Enrolled in AP	% of AP Enrollment
African American	9,934	31	2,047	25
Asian American	1,383	4	807	10
Hispanic	17,505	55	4,091	49
White	3,227	10	1,315	16
Economically Dis.	21,843	68	4,956	60
Non-Econ. Dis.	10,248	32	3,319	40
<b>Total</b>	<b>32,091</b>		<b>8,275</b>	

- Hispanic students comprise the largest racial/ethnic group enrolled in grades 10 through 12, accounting for 55 percent of the total enrollment, and they represent 49 percent of all students in grades 10 through 12 enrolled in AP courses. Students in the African American group represent the second largest percentage of both total enrollment, at 31 percent, and AP course enrollees, at 25 percent.

- While Asian American and White students combine for only 14 percent of the total population of grades 10 through 12, they account for 26 percent of all AP course enrollees.
- Sixty-eight percent of HISD students in grades 10–12 are economically disadvantaged, and they constitute 60 percent of those students enrolled in AP courses.

**AP Exams Taken**

The number of AP exams taken at district high schools and the number and percent scored at 3 or higher are shown in **Figure 3**.



- The number of AP exams taken by high-school students increased by 43 percent, from 11,594 in 2009 to 16,556 in 2010.
- Over the past six years, the number of Advanced Placement (AP) exams taken by HISD high-school students has increased from 7,169 in 2005 to 16,556 in 2010. While the number of exams scored at a 3 or higher has increased from 3,522 in 2005 to 6,262 in 2010 at the high-school level, the percentage has decreased to 38 percent in 2010 from 49 percent in 2005.

**District Summary by Student Group**

AP course completion and AP exam participation and performance by student groups including race/ethnicity, gender, economic status, and LEP status were examined for 2010. The number and percent of HISD students in grades 10–12 completing AP courses, taking AP exams, and passing AP exams are presented by student group in **Table 2**. This table reflects a duplicated count of students for courses and exams.



Table 2: 2010 AP District Summary of AP Course Completers by Demographic Group, Grades 10–12

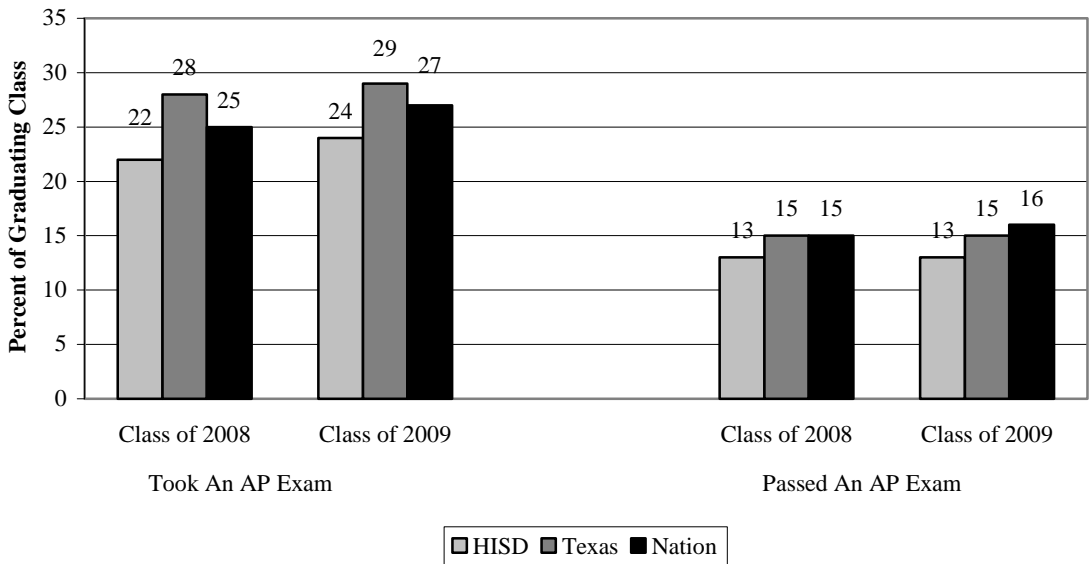
Student Group	Total Gr 10-12 Enroll.	AP Course Completion		AP Exams of AP Comp.		AP Exam 3+	
		Total	Percent	Total	Percent	Total	Percent
Afr. Amer.	9,934	3,302	33.2	2,552	77.3	385	15.1
Asian Amer.	1,383	2,256	163.1	2,111	93.6	1,561	73.9
Hispanic	17,505	6,368	36.4	5,785	90.8	1,421	24.6
White	3,227	2,959	91.7	2,467	91.7	1,557	63.1
Econ. Dis.	21,843	7,900	36.2	6,973	88.3	1,642	23.5
Non-Eco. Dis.	10,248	7,009	68.4	5,964	85.1	3,290	55.2
LEP	2,467	102	4.1	88	86.3	38	43.2
Non-LEP	29,624	14,807	50.0	12,849	86.8	4,894	38.1
Female	16,115	8,393	52.1	7,168	85.4	2,560	35.7
Male	15,976	6,516	40.8	5,769	88.5	2,372	41.1
<b>Total</b>	<b>32,091</b>	<b>14,909</b>	<b>46.5</b>	<b>12,937</b>	<b>86.8</b>	<b>4,932</b>	<b>38.1</b>

- In 2010, Hispanic students represented the largest student group of students in grades 10 through 12; however, only 36.4 percent of Hispanic students completed AP courses. By contrast, Asian American students, who represented the smallest student group by ethnicity, had the highest percentage of AP course completions.
- Of students in grades 10–12 who completed AP courses in 2010, 93.6 percent of Asian American students, 91.7 percent of White students, 90.8 percent of Hispanic students, and 77.3 percent of African American students took at least one AP exam. Additionally, 88.5 percent of males and 85.4 percent of females who completed AP courses also took at least one AP exam. Students are not required to take or complete a course to take an exam.
- In 2010, 73.9 percent of Asian American students and 63.1 percent of White students who took AP exams scored a 3 or higher on an AP exam, compared to only 24.6 percent of Hispanic students and 15.1 percent of African American students.
- Though economically disadvantaged students (21,843) far outnumbered non-economically disadvantaged students (10,248) in the total enrollment in grades 10–12, the total numbers of economically disadvantaged (7,900) and non-economically disadvantaged (7,009) students who completed AP courses were much closer. The percentages of AP course completers who took an AP exam were comparable, 88.3 and 85.1, respectively. However, 23.5 percent of economically disadvantaged students who took AP exams passed an AP exam, compared to 55.2 of non-economically disadvantaged students.

### Comparison with State and Nation

Participation and performance for the district, state, and nation are presented in **Figure 4**. The College Board provides data for graduating classes for the state and nation in its annual *AP Report to the Nation*, which is released in November of each year.

**Figure 4: Percent of Graduates Who Took and Passed an AP Exam:  
Classes of 2008 and 2009**



Note: Data Source: AP Report to the Nation, 6<sup>th</sup> Edition, the College Board, November 2009.

- In both 2008 to 2009, HISD trailed Texas and the nation in both the percent of graduates who took an AP exam and who passed an AP exam.
- While the percent of HISD graduates who took an AP exam increased by two percentage points from 2008 to 2009, matching the national increase, the percent who passed an AP exam remained constant over the same time period.

**Participation by Schools**

**Table 3** presents the number of students and the number of exams taken for each of these high schools as well as the number and percent scoring a 3 or higher.

Table 3: HISD 2010 AP Participation and Number and Percent of Exams Scored at 3 or Higher: Grades 9-12

School	2009				2010			
	Number Taking Exams	Number Exams Taken	Number Exams Scored 3+	% Scored 3+	Number Taking Exams	Number Exams Taken	Number Exams Scored 3+	% Scored 3+
Austin	215	347	56	16	455	697	139	20
Bellaire**	870	2,559	2,133	83	838	2,558	2,146	84
Carnegie	210	464	286	62	354	715	459	64
Challenge	79	84	49	58	159	192	116	60
Chavez	518	763	172	22	725	1,019	197	19
Davis	116	162	43	26	283	440	108	25
DeBakey	266	530	424	80	399	961	804	84
East Early †					62	74	16	22
Eastwood	28	32	18	56	211	384	123	32
Empowerment	42	43	*	*	27	28	10	36
Energ. STEM †					60	60	*	*
Furr	66	109	29	27	223	354	55	16
Houston	243	511	58	11	291	551	53	10
HSLECJ	130	179	45	25	231	414	58	14
HSPVA	200	367	204	56	297	534	211	40
International †	5	5	*	*	54	59	8	14
Int'l at Sharp †					111	150	9	6
Jones	23	23	*	*	45	45	*	*
Jordan	93	126	6	5	263	334	28	8
Kashmere	48	57	*	*	63	89	*	*
Lamar**	37	37	14	38	60	61	23	38
Lee	280	572	144	25	287	707	201	28
Madison	282	435	22	5	298	441	25	6
Milby	199	442	83	19	277	539	125	23
Mt. Carmel †					40	52	8	15
Reagan	185	230	41	18	278	460	100	22
Scarborough	104	187	44	23	81	152	27	18
Sharpstown	206	401	74	18	260	479	48	10
Sterling	29	45	*	*	27	27	*	*
Waltrip	188	373	108	29	255	503	131	26
Washington	78	111	19	17	159	348	16	5
Westbury	265	539	55	10	308	669	87	13
Westside	865	1,601	768	48	1,076	1,938	924	48
Wheatley	87	135	12	9	66	77	*	*
Worthing	50	60	*	*	102	141	5	4
Yates	62	65	6	9	149	303	*	*
<b>HISD</b>	<b>6,069</b>	<b>11,594</b>	<b>4,915</b>	<b>42</b>	<b>8,875</b>	<b>16,556</b>	<b>6,262</b>	<b>38</b>

†Note: Did not offer AP exams in 2009. \*Fewer than 5 students.

\*\*Bellaire and Lamar high schools offer the International Baccalaureate Program.

Source: 2009 College Board Reports, **hard copies**, 2010 College Board Online Score Report, August 14, 2010.

- Of the 32 HISD campuses who tested students on AP exams in both 2009 and 2010, 25 of 32 (78%) increased the number of students taking exams, and 26 of 32 (81%) campuses increased the number of exams taken. Eighteen of the 23 campuses with two years of reportable data (78%) experienced an increase in the number of exams scoring a 3 or higher.

**Student AP Participation and Performance by Campus**

**Table 4** presents the grade 10–12 enrollment on each campus, the number and percent of students in grades 9–12 completing at least one AP course, the number and percent of students taking at least one AP exam, and the number and percent of students earning a 3 or higher on AP exams. Data for table 4 are unduplicated; though a student may take more than one AP course or exam, he is only counted once. Percentages are based on AP courses and exams taken by students in grades 9–12. Students may take AP exams without taking the AP course.

Table 4: AP Student Data by Campus: 2009–2010 School Year, Grades 9–12							
School	Total Enroll. 10-12	Number Comp.AP Course	% of Enroll Comp.AP Course	Number Taking AP Exam †	% Enr Taking AP Ex	Number Stu. Score 3+ AP Exam	% Enr Score 3+ AP Exam
<b>HISD</b>	<b>32,091</b>	<b>8,183</b>	<b>25.5</b>	<b>8,467</b>	<b>26.4</b>	<b>2,499</b>	<b>7.8</b>
Austin	1,297	280	21.6	440	33.9	84	6.5
Bellaire**	2,350	822	35.0	817	34.8	660	28.1
Carnegie	260	375	144.0	350	134.6	208	80.0
Challenge	303	65	21.5	155	51.2	94	31.0
Chavez	1,743	395	22.7	683	39.2	145	8.3
Davis	1,065	233	21.9	259	24.3	46	4.3
DeBakey	622	405	65.1	381	61.3	306	49.2
East Early	288	103	35.8	59	20.5	10	3.5
Eastwood	217	160	73.7	196	90.3	57	26.3
Empowerment	28	17	60.7	25	89.3	10	35.7
Energ. STEM	64	43	67.2	59	92.2	*	1.6
Furr	503	130	25.8	197	39.2	29	5.8
Houston M/S/T	1,671	276	16.5	280	16.8	37	2.2
HSLECJ	388	228	58.8	212	54.6	28	7.2
HSPVA	478	322	67.4	275	57.5	70	14.6
International	224	64	28.6	52	23.2	7	3.1
Int'l HS Sharp	141	115	81.6	88	62.4	*	2.1
Jones	461	52	11.3	44	9.5	*	*
Jordan	830	277	33.4	253	30.5	15	1.8
Kashmere	380	60	15.8	61	16.1	*	*
Lamar**	2,105	48	2.3	59	2.8	23	1.1
Lee	1,079	257	23.8	253	23.4	44	4.1
Madison	1,470	294	20.0	293	19.9	11	0.7
Milby	1,441	275	19.1	262	18.2	53	3.7
Mt. Carmel	169	31	18.3	40	23.7	*	1.2
Reagan	1,174	295	25.1	276	23.5	56	4.8
Scarborough	437	83	19.0	76	17.4	10	2.3
Sharpstown	833	259	31.1	246	29.5	21	2.5
Sterling	686	21	3.1	26	3.8	*	*
Waltrip	1,192	360	30.2	248	20.8	36	3.0
Washington	575	163	28.3	148	25.7	*	0.7
Westbury	1,340	267	19.9	299	22.3	56	4.2
Westside	2,069	1044	50.5	1054	50.9	372	18
Wheatley	674	105	15.6	59	8.8	*	*
Worthing	701	103	14.7	100	14.3	*	*
Yates	763	156	20.4	142	18.6	*	*

\*Fewer than 5 students.

\*\*Bellaire and Lamar high schools offer the International Baccalaureate Program.

Note: Enrollment is based on PEIMS Fall Snapshot and AP course enrollment is from Chancery end-of-year file.

† Total excludes exams with no grade level indicated.

- For the 2009–2010 school year, 18 HISD campuses had at least 25 percent of their students enrolled in grades 10 through 12 complete an AP course; 17 HISD campuses had at least 25 percent of their students in grades 10 through 12 take an AP exam, and six campuses had at least 25 percent of their tenth through twelfth graders score a 3 or higher on an AP exam.

### **AP Exam Participation and Performance by Campus**

Advanced Placement Course enrollment and exam data are presented by campus in **Appendix A**. Data analyzed are duplicated by exam and included the grade 10–12 enrollment on each campus, the number of AP courses offered, and the number and percent of students completing an AP course, the number and percent of students taking AP exams and earning a 3 or higher on AP exams.

### **Campus Participation and Performance by Exam**

Analysis of districtwide participation focused on the number of students taking any of the possible 37 AP exams offered by the College Board. Results from 2009–2010 are presented in **Appendix B**. Additionally, the number of students taking each exam and the percent scoring a 3 or higher are presented for each exam. This Appendix contains unmasked small numbers and will be provided only to principals and campus-specific staff. It is not available in the public version of this report.

### **AP Scholar Awards**

The AP Program offers several AP Scholar Awards to recognize high school students who have demonstrated college-level achievement through AP courses and exams. This achievement is acknowledged on any score report that is sent to colleges the following fall. Notifications about AP Scholar Awards are sent to students and schools in October of each year. According to the College Board, the following descriptions are provided awards given:

- AP Scholar: Granted to students who receive scores of 3 or higher on three or more AP exams;
- AP Scholar with Honor: Granted to students who receive an average score of at least 3.25 on all AP Exams taken, **and** scores of 3 or higher on four or more of these exams;
- AP Scholar with Distinction: Granted to students who receive an average score of at least 3.5 on all AP Exams taken, **and** scores of 3 or higher on five or more of these exams; and
- National AP Scholar: Granted to students in the United States who receive an average score of at least 4 on all AP Exams taken, **and** scores of 4 or higher on eight or more of these exams.

AP Scholar Awards earned by HISD students for 2009 and 2010 are presented by campus and districtwide in **Appendix C**.

### **“Emerging Scholars” 8<sup>th</sup> and 9<sup>th</sup> Grade Participation and Performance**

Though Advanced Placement courses and exams are usually taken by high school upperclassmen, increasingly, students in middle school and ninth grade are beginning to take advantage of the opportunity to earn college credits early in their academic careers. The most common courses and exams taken by middle school students and high school underclassmen tend to be Human Geography, typically a ninth-grade course, and foreign language courses and exams, especially for students for whom English is a second language. Increasingly, eighth and ninth graders in HISD are participating in Advanced Placement programs. **Table 5** presents AP course and exam participation and performance for students in grades 8–9. Counts presented in Table 5 are unduplicated.

Table 5: 2010 8<sup>th</sup> and 9<sup>th</sup> Grade AP Participation and Performance

Grade	N Enrolled AP Course	N Complete AP Course	% Complete AP Course	N Taking AP Exam	% Comp. Taking AP Exam	N Score 3+ on AP Exam	% Score 3+ on AP Exam
8	180	166	92	234	141	171	73
9	514	420	82	709	169	245	35
<b>Total</b>	<b>694</b>	<b>586</b>	<b>84</b>	<b>943</b>	<b>161</b>	<b>416</b>	<b>44</b>

- In 2010, 694 district eighth and ninth graders enrolled in an AP course, and 586 (84%) of those students completed the course. HISD eighth and ninth graders took 943 AP exams in 2010, and 44 percent of those exams were scored at a 3 or higher.

### Conclusion

The purpose of this report was to provide an examination of the participation and performance of HISD students on Advanced Placement exams and courses. The investigation was also designed to supply a comparison of current year AP results with the results from the previous year. The results from this report indicated that student participation on AP exams in the district increased from the previous year. In addition, enrollment in AP courses also increased in 2009–2010 from the previous school year. Though the number of students scoring a 3 or higher on AP exams increased in 2010, the percentage of students scoring at this level decreased slightly over the same time period.

**Appendix A: 2010 AP Course and Exam Data by Campus, Grades 9–12**

School	Grade 10-12 Enroll.	AP Courses Offered	AP Course Enroll.	N Comp. AP Course	% Comp. AP Course (of AP Enr.)	N Exams Taken	Rate of Exams Taken (by AP Comp.)	N Exams Score 3+	Rate of Exams 3+ of AP Comp.)
Austin	1,297	16	454	429	94.5	697	162.5	139	32.4
Bellaire <sup>†</sup>	2,350	20	2,284	2,253	98.6	2,558	113.5	2,146	95.2
Carnegie	260	23	883	838	94.9	715	85.3	459	54.8
Challenge	303	2	68	65	95.6	192	295.4	116	178.5
Chavez	1,743	16	739	655	88.6	1,019	155.6	197	30.1
Davis	1,065	10	365	347	95.1	440	126.8	108	31.1
DeBakey	622	15	1,075	1,022	95.1	961	94.0	804	78.7
East Early Col.	288	2	111	103	92.8	74	71.8	16	15.5
Eastwood	217	8	224	209	93.3	384	183.7	123	58.9
Empowerment	28	3	19	18	94.7	28	155.6	10	55.6
E-STEM	64	1	64	43	67.2	60	139.5	*	*
Furr	503	7	204	191	93.6	354	185.3	55	28.8
Houston MST	1,671	10	507	467	92.1	551	118.0	53	11.3
HSLECJ	388	10	451	414	91.8	414	100.0	58	14.0
HSPVA	478	10	642	627	97.7	534	85.2	211	33.6
International Ac.	224	3	79	72	91.1	59	81.9	8	11.1
Int'l Sharpstown	141	5	156	148	94.9	150	101.4	9	6.1
Jones	461	2	55	52	94.5	45	86.5	*	*
Jordan	830	7	358	341	95.3	334	97.9	28	8.2
Kashmere	380	6	92	83	90.2	89	107.2	*	*
Lamar <sup>†</sup>	2,105	1	55	48	87.3	61	127.1	23	47.9
Lee	1,079	17	664	537	80.9	707	131.7	201	37.4
Madison	1,470	11	534	502	94.0	441	87.8	25	5.0
Milby	1,441	14	529	493	93.2	539	109.3	125	25.3
Mt. Carmel	169	3	34	33	97.1	52	157.6	8	24.2
Reagan	1,174	18	520	490	94.2	460	93.9	100	20.4
Scarborough	437	9	170	160	94.1	152	95.0	27	16.9
Sharpstown	833	14	491	449	91.4	479	106.7	48	10.7
Sterling	686	1	30	21	70.0	27	128.6	*	*
Waltrip	1,192	14	764	714	93.5	503	70.4	131	18.3
Washington	575	9	389	366	94.1	348	95.1	16	4.4
Westbury	1,340	16	665	599	90.1	669	111.7	87	14.5
Westside	2,069	30	2,050	1,923	93.8	1,938	100.8	924	48.0
Wheatley	674	7	177	167	94.4	77	46.1	*	*
Worthing	701	6	144	141	97.9	141	100.0	5	3.5
Yates	763	8	317	310	97.8	303	97.7	*	*
<b>Total</b>	<b>32,091</b>	<b>*</b>	<b>16,363</b>	<b>15,330</b>	<b>93.7</b>	<b>16,556</b>	<b>108.0</b>	<b>6,262</b>	<b>40.8</b>

Note: Exam and course counts presented are duplicated counts. A student may take more than one AP exam or course.

<sup>†</sup> Bellaire and Lamar high schools offer the International Baccalaureate (IB) Program.

\*Not a sum of column values. Total represents the number of different AP courses offered districtwide.



**Appendix B: Advanced Placement (AP) Report for 2009-10**  
**AP Exam Results of High School Students (9th thru 12th Grades and Grade Level Not Indicated) by Exam and by Campus**  
**Reported as Number of Students Who Scored 3 or Higher Versus Number of Exams Taken (to be continued)**

AP Exam Title	N Scoring 3 or Higher	Austin	Bellare	Carnegie Vanguard	Challenge	Chavez	Davis	DeBakey	East Early College	Eastwood	Empowerment	Energized for STEM Academy	Furr	HAIS	Houston Math/Sci/Tech	HSLECJ	HSPVA	International HS @ Sharpstown	Jones	Jordan	Kashmere	Lamar	Lee	Madison	Milby	Mount Carmel	Reagan	Scarborough	Sharpstown	Sterling	Waltrip	Additional Schools Appended After Campus Totals		
	N Exams Taken																																% Scoring 3 or Higher	
Art History		0	5	16	*																	0				*								
		7	10	18	1																	9				3								
		0.0	50.0	88.9	*																	0.0				*								
Art: Studio Art-2-D Design		*	*																															
		1	4																															
		*	*																															
Art: Studio Art-3-D Design		1																																
		*																																
Art: Studio Art-Drawing		3	*			*																	0					*						
		19	2			1																5					4							
		15.8	*			*																0.0					*							
Biology		*	110	5	*	1	0	65			0		0		*	9						20	1	0		0	*	2		*				
		1	112	10	1	29	20	102			5		9		1	22						41	11	16		18	1	18		4				
		*	98.2	50.0	*	3.4	0.0	63.7			0.0		0.0		*	40.9						48.8	9.1	0.0		0.0	*	11.1		*				
Calculus AB		2	79	22		1	9	124	*	0	*				0	0	3			*	0	9	23	0	4	1	7	1	2		6			
		10	88	24		24	22	160	2	24	1				27	7	13			3	7	44	63	12	21	5	12	9	7		17			
		20.0	89.8	91.7		4.2	40.9	77.5	*	0.0	*				0.0	0.0	23.1			*	0.0	20.5	36.5	0.0	19.0	20.0	58.3	11.1	28.6		35.3			
Calculus BC			91	*				26								*						14	11											
			94	2				26								1						15	17											
			96.8	*				100.0								*						93.3	64.7											
Chemistry			18	11		0	*	46	*	0					*	1						*		0	*	1	*	1	*	*	*			
			20	19		82	1	47	2	5					3	12						4		7	1	6		1						
			90.0	57.9		0.0	*	97.9	*	0.0					*	8.3						*		0.0	*	16.7	*	*	*	*	*	*		

Data from the College Board AP datafile (August 14, 2010)

**Appendix B: Advanced Placement (AP) Report for 2009-10**  
**AP Exam Results of High School Students (9th thru 12th Grades and Grade Level Not Indicated) by Exam and by Campus**  
**Reported as Number of Students Who Scored 3 or Higher Versus Number of Exams Taken (to be continued)**

AP Exam Title	N Scoring 3 or Higher	Austin	Bellare	Carnegie Vanguard	Challenge	Chavez	Davis	DeBakey	East Early College	Eastwood	Empowerment	Energized for STEM Academy	Furr	HAIS	Houston Math/Sci/Tech	HSLECJ	HSPVA	International HS @ Sharpstown	Jones	Jordan	Kashmere	Lamar	Lee	Madison	Milby	Mount Carmel	Reagan	Scarborough	Sharpstown	Sterling	Waltrip	Additional Schools Appended After Campus Totals	
	N Exams Taken																																% Scoring 3 or Higher
Chinese Language & Culture			39 39	* 1				* 4									* 1					* 1											
			100.0	*			*										*					*											
Computer Science A		* 4	43 84	8 9				* 1	* 1	0 8				* 2			* 1										1 18						
		* 51.2	88.9				*	*		0.0				*		*										5.6							
Computer Science AB																																	
Economics: Macroeconomics		0 35 0.0	241 269 89.6	6 11 54.5		0 20 0.0		49 60 81.7							7 42 16.7	13 57 22.8	10 72 13.9			* 2 *			12 29 41.4			0 26 0.0	0 16 0.0	2 33 6.1		8 38 21.1			
Economics: Microeconomics		* 1 *	35 37 94.6	34 47 72.3				* 1 *															* 1 *			0 5 0.0							
English Language & Composition		2 46 4.3	238 291 81.8	58 82 70.7	10 28 35.7	9 77 11.7	0 89 0.0	77 86 89.5	7 14 50.0	7 38 18.4				2 33 6.1	1 138 0.7	6 60 10.0	60 75 80.0	3 39 7.7	0 35 0.0	0 85 0.0	0 21 0.0	* 1 *	21 78 26.9	1 83 1.2	9 96 9.4	2 11 18.2	7 44 15.9	1 27 3.7	1 51 2.0	0 27 0.0	14 124 11.3		
English Literature & Composition		1 41 2.4	181 227 79.7	43 74 58.1	17 32 53.1	10 45 22.2	1 65 1.5	76 82 92.7	* 4 *	1 37 2.7				2 16 12.5	2 73 2.7	6 59 10.2	44 92 47.8		0 10 0.0	5 71 7.0	0 11 0.0		6 57 10.5	0 66 0.0	5 57 8.8	1 8 12.5	6 25 24.0	3 25 12.0	3 41 7.3		11 49 22.4		
Environmental Science		* 2 *	55 72 76.4	9 11 81.8		0 16 0.0					0 8 0.0		0 24 0.0										12 43 27.9	0 10 0.0	5 28 17.9				1 30 3.3		1 12 8.3		

Data from the College Board AP datafile (August 14, 2010)

**Appendix B: Advanced Placement (AP) Report for 2009-10**  
**AP Exam Results of High School Students (9th thru 12th Grades and Grade Level Not Indicated) by Exam and by Campus**  
**Reported as Number of Students Who Scored 3 or Higher Versus Number of Exams Taken (to be continued)**

AP Exam Title	N Scoring 3 or Higher																				Additional Schools Appended After Campus Totals										
	N Exams Taken																														
	% Scoring 3 or Higher	Austin	Bellare	Carnegie Vanguard	Challenge	Chavez	Davis	DeBakey	East Early College	Eastwood	Empowerment	Energized for STEM Academy	Furr	HAIS	Houston Math/Sci/Tech	HSLECJ	HSPVA	International HS @ Sharpstown	Jones	Jordan	Kashmere	Lamar	Lee	Madison	Millby	Mount Carmel	Reagan	Scarborough	Sharpstown	Sterling	Waltrip
European History		0	10	6					*						1	*												4			
		18	11	6					4						8	1												10			
		0.0	90.9	100.0					*						12.5	*												40.0			
French Language			11	*			0	1								*							*								
			15	2			7	7								1							1								
			73.3	*			0.0	14.3								*						*									
French Literature																															
German Language			13																											*	
			13																											1	
			100.0																											*	
Government & Politics: Comparative																															
Government & Politics: United States		0	204	10		2	0	50					0		0	18				2	0		10	0	0		2	0	2	19	
		57	232	39		45	7	64				43		58	59	49				36	11		33	80	51		39	13	37	40	
		0.0	87.9	25.6		4.4	0.0	78.1				0.0		0.0	0.0	36.7				5.6	0.0		30.3	0.0	0.0		5.1	0.0	5.4	47.5	
Human Geography		0	34	73									1												4		4				
		19	41	127									38												12		24				
		0.0	82.9	57.5									2.6												33.3		16.7				
Italian Language & Culture																															

Data from the College Board AP datafile (August 14, 2010)

**Appendix B: Advanced Placement (AP) Report for 2009-10**  
**AP Exam Results of High School Students (9th thru 12th Grades and Grade Level Not Indicated) by Exam and by Campus**  
**Reported as Number of Students Who Scored 3 or Higher Versus Number of Exams Taken (to be continued)**

AP Exam Title	N Scoring 3 or Higher	Austin	Bellare	Carnegie Vanguard	Challenge	Chavez	Davis	DeBakey	East Early College	Eastwood	Empowerment	Energized for STEM Academy	Furr	HAIS	Houston Math/Sci/Tech	HSLECJ	HSPVA	International HS @ Sharpstown	Jones	Jordan	Kashmere	Lamar	Lee	Madison	Milby	Mount Carmel	Reagan	Scarborough	Sharpstown	Sterling	Waltrip	Additional Schools Appended After Campus Totals			
	N Exams Taken																																% Scoring 3 or Higher		
Japanese Language & Culture			4 5 80.0																																
Latin: Literature																																			
Latin: Vergil			* 1 *	* 2 *													* 1 *																		
Music Theory			16 23 69.6														15 17 88.2						0 11 0.0								* 1 *				
Physics B		2 14 14.3	57 73 78.1		0 19 0.0		39 51 76.5	* 1 *						0 7 0.0	0 21 0.0								7 34 20.6	1 12 8.3					0 13 0.0						
Physics C - Electricity & Magnetism			22 24 91.7	6 10 60.0			* 1 *																1 22 4.5												
Physics C - Mechanics			22 23 95.7	9 13 69.2			* 1 *																5 27 18.5												
Psychology		0 13 0.0	104 124 83.9				38 43 88.4	* 2 *	0 19 0.0														* 1 *			7 54 13.0	0 7 0.0		* 1 *						

Data from the College Board AP datafile (August 14, 2010)

**Appendix B: Advanced Placement (AP) Report for 2009-10**  
**AP Exam Results of High School Students (9th thru 12th Grades and Grade Level Not Indicated) by Exam and by Campus**  
**Reported as Number of Students Who Scored 3 or Higher Versus Number of Exams Taken (to be continued)**

AP Exam Title	N Scoring 3 or Higher																					Additional Schools Appended After Campus Totals									
	N Exams Taken																														
	% Scoring 3 or Higher	Austin	Bellaire	Carnegie Vanguard	Challenge	Chavez	Davis	DeBakey	East Early College	Eastwood	Empowerment	Energized for STEM Academy	Furr	HAIS	Houston Math/Sci/Tech	HSLECJ	HSPVA	International HS @ Sharpstown	Jones	Jordan	Kashmere	Lamar	Lee	Madison	Milby	Mount Carmel	Reagan	Scarborough	Sharpstown	Sterling	Waltrip
Spanish Language		125	54	13	74	147	82	39	7	103	10		51	7	39	23	13	*		18			58	22	72	4	50	16	27		52
		254	89	18	95	374	96	43	8	115	14		128	12	63	25	19	2		29			71	30	87	5	60	28	38		66
		49.2	60.7	72.2	77.9	39.3	85.4	90.7	87.5	89.6	71.4		39.8	58.3	61.9	92.0	68.4	*		62.1			81.7	73.3	82.8	80.0	83.3	57.1	71.1		78.8
Spanish Literature		4	21	*		24	13		1	8			0			5							1	*	3		2		*		
		15	32	3		28	25		10	15			6			5							9	1	10		16		1		
		26.7	65.6	*		85.7	52.0		10.0	53.3			0.0			100.0							11.1	*	30.0		12.5		*		
Statistics		0	89	31		*	0	37	*	*					0		*						4		2			*	3		9
		27	104	41		4	7	39	2	1					16		1						27		25		2	58		36	
		0.0	85.6	75.6		*	0.0	94.9	*	*					0.0		*						14.8		8.0		*	5.2		25.0	
United States History		0	204	42	*	2	2	58	0	0			0		2	1	18	1		0	0	*	5	1	4	0	3	4	1		7
		39	244	74	1	105	50	59	6	25			50		32	56	65	21		23	12	1	67	94	57	22	49	15	46		87
		0.0	83.6	56.8	*	1.9	4.0	98.3	0.0	0.0			0.0		6.3	1.8	27.7	4.8		0.0	0.0	*	7.5	1.1	7.0	0.0	6.1	26.7	2.2		8.0
World History		0	139	51	13	1	1	71	1	1		1	0		2	3	15	1		1	0		2	0	16		9	1	0		3
		73	155	72	34	150	51	84	22	93		60	45		81	77	100	40		85	27		67	43	60		61	12	87		25
		0.0	89.7	70.8	38.2	0.7	2.0	84.5	4.5	1.1		1.7	0.0		2.5	3.9	15.0	2.5		1.2	0.0		3.0	0.0	26.7		14.8	8.3	0.0		12.0

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**Appendix B: Advanced Placement (AP) Report for 2009-10**  
**AP Exam Results of High School Students (9th thru 12th Grades and Grade Level Not Indicated) by Exam and by Campus**  
**Reported as Number of Students Who Scored 3 or Higher Versus Number of Exams Taken (continued)**

AP Exam Title	N Scoring 3 or Higher																	End of Participating High Schools		
	N Exams Taken																			
	% Scoring 3 or Higher	Washington	Westbury	Westside	Wheatley	Worthing	Yates													
Art History			17																	
			19																	
			89.5																	
Art: Studio Art-2-D Design			*	*																
			3	4																
			*	*																
Art: Studio Art-3-D Design			*	*																
			1	2																
			*	*																
Art: Studio Art-Drawing			*	5																
			1	5																
			*	100.0																
Biology		0	37																	
		43	54																	
		0.0	68.5																	
Calculus AB		1	2	12		0	*													
		11	8	31		6	3													
		9.1	25.0	38.7		0.0	*													
Calculus BC			34																	
			35																	
			97.1																	
Chemistry			18	0		0														
			29	8		17														
			62.1	0.0		0.0														

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**Appendix B: Advanced Placement (AP) Report for 2009-10**  
**AP Exam Results of High School Students (9th thru 12th Grades and Grade Level Not Indicated) by Exam and by Campus**  
**Reported as Number of Students Who Scored 3 or Higher Versus Number of Exams Taken (continued)**

AP Exam Title	N Scoring 3 or Higher																	End of Participating High Schools
	N Exams Taken																	
	% Scoring 3 or Higher	Washington	Westbury	Westside	Wheatley	Worthing	Yates											
Chinese Language & Culture			15															
			17															
			88.2															
Computer Science A			6															
			13															
			46.2															
Computer Science AB																		
Economics: Macroeconomics		6	20			0												
		74	46			50												
		8.1	43.5			0.0												
Economics: Microeconomics		0	1															
		39	74															
		0.0	1.4															
English Language & Composition		7	7	93		1	1											
		49	74	244		35	48											
		14.3	9.5	38.1		2.9	2.1											
English Literature & Composition		3	8	83	0	0	0											
		60	49	135	25	30	46											
		5.0	16.3	61.5	0.0	0.0	0.0											
Environmental Science			71															
			100															
			71.0															

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**Appendix B: Advanced Placement (AP) Report for 2009-10**  
**AP Exam Results of High School Students (9th thru 12th Grades and Grade Level Not Indicated) by Exam and by Campus**  
**Reported as Number of Students Who Scored 3 or Higher Versus Number of Exams Taken (continued)**

AP Exam Title	N Scoring 3 or Higher																	End of Participating High Schools		
	N Exams Taken																			
	% Scoring 3 or Higher	Washington	Westbury	Westside	Wheatley	Worthing	Yates													
European History				6 8 75.0																
French Language				1 19 5.3																
French Literature																				
German Language				* 4 *																
Government & Politics: Comparative				0 74 0.0	* 1 *															
Government & Politics: United States		0 50 0.0	1 76 1.3	65 111 58.6	0 20 0.0	0 25 0.0	0 44 0.0													
Human Geography			2 11 18.2	24 199 12.1																
Italian Language & Culture																				

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**Appendix B: Advanced Placement (AP) Report for 2009-10**  
**AP Exam Results of High School Students (9th thru 12th Grades and Grade Level Not Indicated) by Exam and by Campus**  
**Reported as Number of Students Who Scored 3 or Higher Versus Number of Exams Taken (continued)**

AP Exam Title	N Scoring 3 or Higher																	End of Participating High Schools	
	N Exams Taken																		
	% Scoring 3 or Higher	Washington	Westbury	Westside	Wheatley	Worthing	Yates												
Japanese Language & Culture				*															
				2															
				*															
Latin: Literature																			
Latin: Vergil				6															
				8															
				75.0															
Music Theory				5		*													
				8		3													
				62.5		*													
Physics B		0		20															
		5		21															
		0.0		95.2															
Physics C - Electricity & Magnetism				6															
				7															
				85.7															
Physics C - Mechanics				9					0										
				9					10										
				100.0					0.0										
Psychology			*	78															
			2	84															
			*	92.9															

Data from the College Board AP datafile (August 14, 2010)

**Appendix B: Advanced Placement (AP) Report for 2009-10**  
**AP Exam Results of High School Students (9th thru 12th Grades and Grade Level Not Indicated) by Exam and by Campus**  
**Reported as Number of Students Who Scored 3 or Higher Versus Number of Exams Taken (continued)**

AP Exam Title	N Scoring 3 or Higher							End of Participating High Schools
	N Exams Taken	Washington	Westbury	Westside	Wheatley	Worthing	Yates	
	% Scoring 3 or Higher							
Spanish Language	*	42	127			3		
	4	68	207			6		
	*	61.8	61.4			50.0		
Spanish Literature			12			0		
			15			7		
			80.0			0.0		
Statistics		*	8					
		4	9					
		*	88.9					
United States History	1	1	51	0	1	0		
	34	69	232	24	36	48		
	2.9	1.4	22.0	0.0	2.8	0.0		
World History	2	13	89			0		
	53	81	260			30		
	3.8	16.0	34.2			0.0		

**Appendix C: AP Scholar Awards 2009 and 2010**

Campus	2009					2010				
	Scholar	Honor	Distinction	National	Total	Scholar	Honor	Distinction	National	Total
Bellaire	60	39	62	4	<b>165</b>	60	45	61	5	<b>171</b>
Carnegie	10	8	3		<b>21</b>	16	10	5		<b>31</b>
Chavez	1				<b>1</b>	4				<b>4</b>
DeBakey	10	2			<b>12</b>	16	3	2	1	<b>22</b>
HSLECJ						2				<b>2</b>
HSPVA	6	2	2		<b>10</b>	9	6	2		<b>17</b>
Lee	1				<b>1</b>	1				<b>1</b>
Madison	1				<b>1</b>					
Milby	2	1			<b>3</b>	1				<b>1</b>
Reagan						1				<b>1</b>
Scarborough	1				<b>1</b>					
Sharpstown	1				<b>1</b>	1				<b>1</b>
Waltrip	1				<b>1</b>	1	1			<b>2</b>
Washington	1				<b>1</b>					
Westbury	2	1			<b>3</b>					
Westside	22	15	12		<b>49</b>	35	13	21	3	<b>72</b>
<b>HISD</b>	<b>117</b>	<b>69</b>	<b>80</b>	<b>4</b>	<b>270</b>	<b>147</b>	<b>78</b>	<b>91</b>	<b>9</b>	<b>325</b>

- AP Scholar: Granted to students who receive scores of 3 or higher on three or more AP exams;
- AP Scholar with Honor: Granted to students who receive an average score of at least 3.25 on all AP Exams taken, **and** scores of 3 or higher on four or more of these exams;
- AP Scholar with Distinction: Granted to students who receive an average score of at least 3.5 on all AP Exams taken, **and** scores of 3 or higher on five or more of these exams; and
- National AP Scholar: Granted to students in the United States who receive an average score of at least 4 on all AP Exams taken, **and** scores of 4 or higher on eight or more of these exams.