

## MEMORANDUM

December 6, 2013

TO: Board Members

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

SUBJECT: **ADVANCED PLACEMENT (AP) REPORT: 2012–2013**

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

The Department of Research and Accountability has completed the 2012–2013 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 34 AP exams are offered in six subject categories, 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:

- Over the past seven years, the number of Advanced Placement (AP) exams taken by HISD high-school students has increased from 9,088 in 2007 to 22,693 in 2013.
- While the number of exams scored at a 3 or higher has increased from 4,304 in 2007 to 7,524 in 2013 at the high-school level, the percentage decreased from 47 percent in 2007 to 33 percent in 2013.
- For the district as a whole in 2013, 11,529 out of 31,896, or 36% of students in grades 10-12 were enrolled in at least one AP course. Of students enrolled in an AP course, 10,516 completed at least one AP course (91%).
- In 2013, Hispanic and African American students represented the largest student groups in grades 10 through 12; however, far fewer than half Hispanic and African American students were enrolled in an AP course. By contrast, more than half of White and Asian American students in grades 10-12 were enrolled in at least one AP course.
- Fifty-nine percent of the students who received an AP course grade of A earned a score of 3 or higher in the corresponding AP exam, 31 percent of the students who received an AP course grade of B earned a score of 3 or higher in the corresponding AP exam, while only 13% of the students who earned a C in an AP course earned a 3 or higher in the corresponding AP exam.
- For the classes of 2011 and 2012, HISD trailed Texas and the nation in the percentage of graduates who passed an AP exam with a score of 3 or higher. However, in 2011 and 2012, HISD outperformed the state and the nation in the percentage of graduates who took an AP exam at some point in their high school career.

### **Administrative Response**

Houston ISD's Advanced Placement program continues to focus on providing professional development based on the data indicated in this report as well as what teachers have indicated they need. By working directly with organizations such as College Board and Laying the Foundation, training offered for Pre-AP and AP teachers provides direct instruction on strategies that assist students. In addition, HISD has begun hosting AP Professional Learning Communities (PLC) for HISD AP teachers to participate in throughout the year. Led by highly effective HISD AP teachers, this program provides participants the opportunity to share best practices and ideas for the AP

classroom in 16 different AP subjects. The district's efforts to provide teachers with specific professional development are also aligned to HISD's AP results. The growth in HISD's AP numbers for both participation and performance are an indication of the dedication of HISD AP teachers, administrators and students who have come to understand the importance of this program.

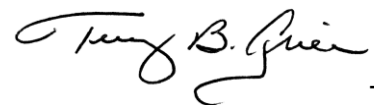
The Curriculum, College Readiness/Emerge, and Advanced Academics departments identified four courses to focus on using the 2012–2013 AP data. A district-wide syllabus and additional support for teachers is now offered in AP World History, AP U.S. History, English Language and Composition, and Calculus AB. (See **Figure 8b**, page 18).

Lead teachers in each of these courses met during summer 2013 to create a College Board authorized syllabus for use throughout the district. In August 2013, master teachers in these courses provided a two-day workshop for their colleagues. This workshop began the roll out of suggested teaching materials and strategies to improve student performance in these courses. Teachers in these courses have also been attending regularly scheduled AP PLC meetings to review materials and learn new strategies. These PLC meetings will continue throughout the spring semester.

In support of the district efforts to ensure an effective teacher in every AP classroom and improved student achievement on AP tests, new English/Language Arts, Mathematics, Science, and Social Studies courses have been identified for work in 2014–2015. In January, the identification of lead/master teachers for the selected courses will begin. In support of this work, Advanced Academics hired three new specialists to work with AP teachers in developing and revising the authorized course syllabi for use throughout the district. These specialists will also help plan/provide workshops and facilitate planning for regular AP PLC meetings.

The High School Office (HSO) will work with schools to increase the number of AP courses offered and the number of students selecting and remaining in those courses. The HSO will work with schools during the preliminary budget process to help find ways to efficiently schedule more sections, especially in those schools that have traditionally had low student participation numbers. Through better scaffolding of new materials, students have greater persistence and better outcomes in these more rigorous courses. The HSO will also continue to work with the Curriculum Department to improve the AP PLC program and to ensure greater participation by schools.

Attached is the complete report including an analysis of district-wide 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 Support Officers  
Richard Cruz  
High School Principals



# RESEARCH

Educational Program Report

## ADVANCED PLACEMENT (AP) REPORT 2012-2013

DEPARTMENT OF RESEARCH AND ACCOUNTABILITY  
HOUSTON INDEPENDENT SCHOOL DISTRICT



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### **Houston Independent School District**

Hattie Mae White Educational Support Center

4400 West 18th Street

Houston, Texas 77092-8501

**[www.houstonisd.org](http://www.houstonisd.org)**

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# ADVANCED PLACEMENT 2012–2013

## Executive Summary

The Advanced Placement (AP) program represents a critical element in HISD's efforts to inject rigor into the high school classrooms. Since 2009, the AP course offerings in HISD have been vastly expanded, with more campuses offering a wider selection of AP courses that exposes a larger percentage of the high school population to academic rigor. Dramatically more HISD students are taking AP courses, completing them, taking more AP exams, earning AP exam scores of at least a 3, and receiving AP awards at a record pace.

### Highlights of AP in 2012-2013

- Student participation in AP courses increased from 35.9% in 2012 to 36.1% in 2013 in the district.
- The number of AP exam takers decreased by 3.2% from 13,403 in 2012 to 12,966 in 2013. However, the number of AP testers in 2013 represents an increase of 128% compared to 2009 when 5,694 HISD students took AP exams.
- The number of AP exams taken decreased by 2.3% from 23,227 in 2012 to 22,693 in 2013. However, the number of exams taken in 2013 represents an increase of 96% compared to 2009 when HISD students took 11,594 AP exams.
- In spite of the decreases in AP testers and the number of AP exams taken in 2013, 418 more students had AP exams scored at 3 or higher, reflecting an increase of 5.9% from 2012 to 2013.
- 33.2% of all AP exams taken in 2013 by HISD students in grades 9-12 had AP scores of 3 or higher compared to 30.6% in 2012, reversing a declining trend experienced during 2009-2012 as the number of AP tests taken ramped up significantly.
- 48% of all AP exams taken by HISD students in 2013 were in History and Social Sciences that represented the dominant subject category among the six AP categories, followed by English at 21%. The performance in these two categories lags the performance in the remaining four categories in HISD; concerted efforts targeting these two AP subject areas could lead to dramatic improvement in the overall AP performance, and closure of the current gap to the nation (26 percentage points).
- The HISD graduates in the class of 2012 set a new record with 38% (a gain of 4 percentage points compared to the class of 2011) having taken at least one AP exam compared to 32% in the nation.
- The number of AP awards presented to HISD students increased by 253 to a new district record of 1,480 reflecting a 20.6% increase in 2013 compared to 2012, building upon the 10.7% gain in AP awards in 2012 compared to 2011.
- Twenty-two campuses earned more AP awards in 2013 than in 2012 including eight campuses that increased the number of AP awards earned in 2013 by double-digits compared to 2012.

## Introduction

The College Board's Advanced Placement (AP) Program provides participating high school students with the opportunity to take college-level courses and earn college credit, advanced placement, or both. A possible 34 examinations in Arts, English, History and Social Science, Math and Computer Science, Sciences, and World Languages and Cultures are administered in May at participating schools (**Appendix A-1**). Ninety percent of colleges and universities grant credit, placement, or both to students receiving a qualifying score (usually 3 or higher on a scale of 1 to 5) on an AP exam.

Studies show that students who take AP courses and exams are more likely to succeed in college. Families may also 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. The AP Program recognizes high school students who have demonstrated outstanding college-level achievement through AP courses and exams with the AP Scholar Awards (**Appendix A-2**). Although there is no monetary award, each award-winning student receives a certificate, and the award is acknowledged on any AP score report that is sent to colleges after the award has been conferred. 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 2012–2013 school year, all courses labeled as “AP” by HISD were 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

The AP score in each exam is a weighted combination of scores on the multiple-choice section and on the free-response section. The final score is reported on a 5-point scale as follows:

- 5 = extremely well qualified
- 4 = well qualified
- 3 = qualified
- 2 = possibly qualified
- 1 = no recommendation

"Qualified" means that the student has demonstrated the capability of doing introductory-level coursework in a particular subject at college. Many colleges and universities grant credit and placement for scores of 3, 4 or 5; however, each college decides which scores it will accept.

The multiple-choice section is scored by computer. Each answer sheet is scanned and the total number of correct responses equals the multiple-choice score. The free-response section (essays and open-ended questions) is scored at the annual AP Reading held during the first two weeks in June. Specially appointed college professors and experienced AP teachers score this section of the exam. The total scores from the free-response section and the multiple-choice section are combined to form a composite score. These composite scores are then translated into the 5-point scale using statistical processes designed to ensure that a 3 this year reflects the same level of achievement as a 3 last year.

## 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” database 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 29, 2013 electronic files.

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

The longitudinal performance in AP exams during 2007–2012 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. The 2012 global scores for test performance by subject were extracted from the 2012 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 2012–2013 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 of students eligible to complete and the number completing an AP course.

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 number was computed, it was divided by the total number of students who were eligible to complete an AP course.

Mean test scores by gender, race/ethnicity, and economic status for AP subjects were analyzed by comparing mean scores. 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 district-wide and by campus level.



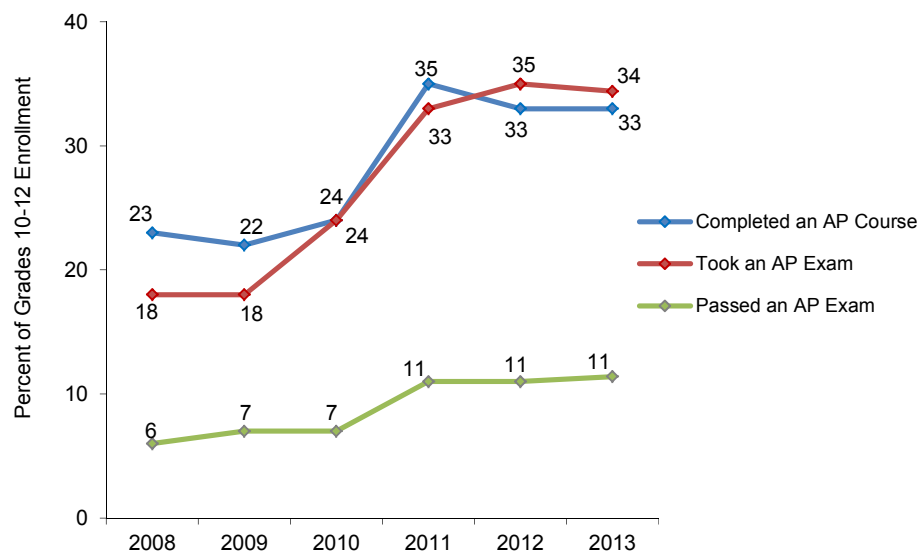
## Results

### District-wide Participation

The total number of exams taken by HISD students decreased from 23,227 in 2012 to 22,693 in 2013, down by 2.3%, or 534 exams. The percent of exams scored at a 3 or higher in 2013 increased to 33.2 percent from 31 percent in 2012.

**Figure 1** shows the percent of students in grades 10–12 who completed at least one AP course, the percent who took at least one AP exam, and the percent who passed at least one AP exam with a score of 3 or higher from 2008 to 2013. Percentages are based on grades 10–12 enrollment and reflect an unduplicated count of students.

**Figure 1. AP Participation and Performance in HISD: 2008-2013**



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

- The percentage of students in grades 10 through 12 who took at least one AP exam increased from 18 percent in 2007–2008 to 34 percent in 2012–2013, an increase of 16 percentage points. However, there is a decline of 1 percentage point in 2013 compared to 2012.
- The percentage of HISD students in grades 10 through 12 who completed at least one AP course has increased from 23 percent in 2007–2008 to 33 percent in 2012–2013, an increase of 10 percentage points.
- Eleven percent of HISD students enrolled in grades 10-12 passed at least one AP exam with a score of 3 or higher in 2012–2013, up from 6 percent in the 2007–2008 school year, and unchanged from 2011-2012.

## AP Course Offerings

**Figure 2** shows the number of AP courses offered in district high schools in 2012 and 2013, and the change in the number of courses from 2012 to 2013.

**Figure 2. The Number of AP Courses Offered by Campus\*: 2012 and 2013**

*ranked by the number of courses in 2013*

Campus	2012	2013	2013-2012
Westside HS	29	26	-3
Carnegie HS	22	25	3
Bellaire HS	22	21	-1
Reagan HS	19	20	1
Eastwood Academy	16	18	2
Austin HS	15	17	2
Westbury HS	18	16	-2
Davis HS	12	15	3
DeBakey HS	14	15	1
Lee HS	17	15	-2
Milby HS	15	15	0
Sharpstown International	16	15	-1
Houston MSTC	13	14	1
HSLECJ	11	14	3
Madison HS	12	14	2
Sharpstown HS	14	14	0
Waltrip HS	14	14	0
Furr HS	16	13	-3
Jordan HS	10	13	3
Scarborough HS	15	13	-2
Washington HS	12	13	1
Chavez HS	14	11	-3
Energized HS SE	9	11	2
HSPVA	11	11	0
Sterling HS	12	11	-1
Yates HS	14	10	-4
Kashmere HS	8	9	1
Houston Acad. for Int'l Studies	10	8	-2
Wheatley HS	13	8	-5
North Houston Early College HS	7	7	0
Challenge HS	3	6	3
East Early College HS	8	6	-2
Mount Carmel Academy	5	6	1
Worthing HS	13	6	-7
Jones HS	9	5	-4
Empowerment College Prep HS	5	4	-1
Lamar HS	4	4	0
Energized HS SW	3	2	-1
Long Academy	-	1	1
Young Women's College Prep	1	0	-1
<b>HISD</b>	<b>33</b>	<b>31</b>	<b>-2</b>

\* Only campuses with at least one AP course offered.

**Figure 2** indicates the following:

- In 2012-2013, 39 HISD high schools offered at least one AP course.
- The total number of AP courses offered in HISD schools declined from 33 in 2011-2012 to 31 in 2012-2013.
- The median number of AP courses offered in HISD schools in 2012-2013 was 13, unchanged from 2011-2012.
- The largest increase of 3 additional AP courses offered in 2012-2013 compared to 2011-2012 was shown at Carnegie HS, Challenge HS, Davis HS, High School for Law Enforcement and Criminal Justice, and Jordan HS.
- The largest decrease of 7 fewer AP courses offered in 2012-2013 compared to 2011-2012 was shown at Worthing HS.
- Eighteen schools offered fewer AP courses while fifteen schools offered more AP courses in 2012-2013 compared to 2011-2012.

### Participation and Performance by AP Exam Category

**Figure 3** shows the number of AP exams taken by the AP exam categories shown in **Appendix A**, and the percent of exams in these subject categories with a score of 3 or higher.

**Figure 3. The Number of AP Exams Taken and Performance in HISD by Exam Category (2013)**

AP Exam Category	AP Exams Taken, N	Exams, % of Total	AP Score, % ≥ 3
History and Social Sciences	10,814	47.7	25.1
English	4,673	20.6	27.1
World Languages and Culture	2,838	12.5	59.9
Sciences	2,200	9.7	38.5
Mathematics and Computer Science	1,964	8.7	46.4
Arts	204	0.9	41.7
<b>Total</b>	<b>22,693</b>	<b>100.0</b>	<b>33.2</b>

**Figure 3** indicates the following:

- The AP exams taken in History and Social Science represented the largest category (48%) followed by English (21%).
- History and Social Sciences and English also had the lowest two success rates among all categories, 25% in History and Social Science, and 27% in English.
- World languages and Culture had the highest performance, showing the percent of AP scores at 3 or higher of 59.9%, followed by Mathematics and Computer Science at 46.4%. The two categories, however, collectively accounted for 21.2% of all AP exams taken.

### Participation by Student Group

The number of HISD students in 2012-2013 who took an AP exam, number of exams taken, and number of exams scored 3 or higher for grades 9–12 by race/ethnicity and economic status are presented in **Table 1**. The number of exam takers reflects an unduplicated count of students who took an exam, and the number of exams taken is a duplicated count of exams. In other words, a given student is counted once, and all the exams that student has taken are counted as well.

**Table 1. AP Participation and Performance by Student Group in Gr. 9-12\*: 2012 and 2013**

Group	Exam Takers, N		Exams Taken, N		AP Score $\geq 3$ , N		AP Score $\geq 3$ , %	
	2012	2013	2012	2013	2012	2013	2012	2013
African American	2,654	2,383	4,317	3,779	581	511	13	14
American Indian	43	43	67	86	20	22	30	26
Asian	917	933	2,323	2,415	1,545	1,665	67	69
Hispanic	7,299	7,187	12,047	11,920	2,750	2,872	23	24
White	1,881	1,803	3,515	3,534	1,904	2,172	54	61
No Response	262	260	376	339	101	48	27	14
Other	347	357	582	620	205	234	35	38
Female	7,432	7,246	12,759	12,528	3,746	3,966	29	32
Male	5,971	5,720	10,468	10,165	3,360	3,558	32	35
Econ Disadv.	8,656	8,465	14,284	13,744	2,902	2,882	20	21
Non-Econ. Disadv.	4,708	4,475	8,893	8,910	4,188	4,631	47	52
Unknown Econ. Status	39	26	50	39	16	11	32	28
<b>Total</b>	<b>13,403</b>	<b>12,966</b>	<b>23,227</b>	<b>22,693</b>	<b>7,106</b>	<b>7,524</b>	<b>31</b>	<b>33</b>

*\*includes students with grade level not indicated*

The data in **Table 1** show the following:

- Hispanic students comprised the largest racial/ethnic group of students who took an AP exam in grades 9-12, accounting for 54.4% in 2011-2012, and 55.4% in 2012-2013 of the exam takers. The Hispanic students took 51.9% of all AP exams administered in 2011-2012, and 52.5% in 2012-2013. Twenty-four percent of the exams taken by Hispanic students were scored at 3 or higher in 2012-2013, an increase of 1 percentage point compared to 2011-2012.
- African American students represented the second largest group of AP exam takers in grades 9-12, accounting for 19.8% of all AP testers in 2011-2012, and 18.1% in 2012-2013. The African American students took 18.6% of all AP exams administered in 2011-2012, and 16.7% in 2012-2013. Fourteen percent of the exams taken by the African American students were scored at 3 or higher in 2012-2013, an increase of 1 percentage point compared to 2011-2012.
- White students accounted for 13.9% of all AP testers in 2012-2013, a decrease of 0.1 percentage points compared to 2011-2012. White students accounted for 15.2% of all AP exams taken in 2012-2013, a decrease of 0.3 percentage points compared to 2011-2012. Sixty-one percent of the exams taken by White students were scored at 3 or higher in 2012-2013, an increase of 7 percentage points compared to 2011-2012.
- Asian students accounted for 7.2% of all AP testers in 2012-2013, an increase of 0.4 percentage points compared to 2011-2012. Asian students accounted for 10.6% of all AP exams taken in 2012-2013, an increase of 0.6 percentage points compared to 2011-

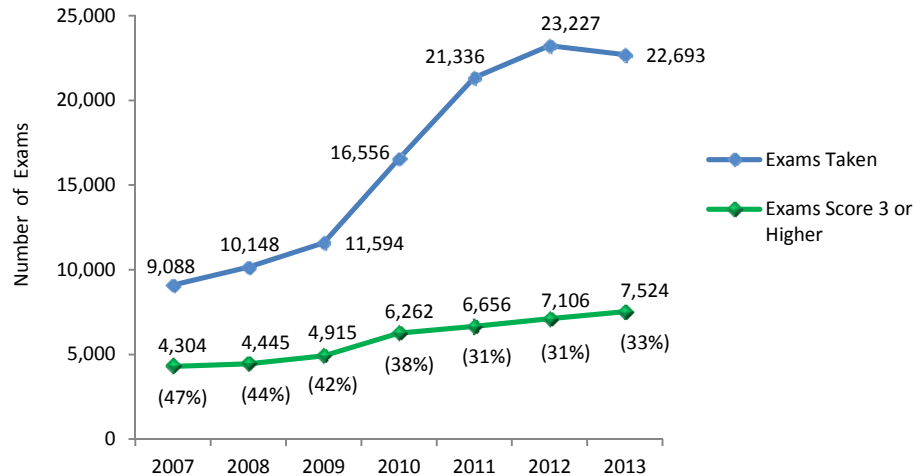
2012. Sixty-nine percent of the exams taken by Asian students were scored at 3 or higher in 2012-2013, an increase of 2 percentage points compared to 2011-2012.

- Female students accounted for 55.9% of all AP testers in 2012-2013, an increase of 0.5 percentage points compared to 2011-2012. Female students accounted for 53.9% of all AP exams taken in 2012-2013, a decrease of 1 percentage point compared to 2011-2012. Thirty-two percent of the exams taken by female students were scored at 3 or higher in 2012-2013, an increase of 3 percentage points compared to 2011-2012. Thirty-five percent of the exams taken by male students were scored at 3 or higher in 2012-2013, an increase of 3 percentage points compared to 2011-2012.
- Economically disadvantaged students accounted for 65.3% of all AP testers in 2012-2013, an increase of 0.7 percentage points compared to 2011-2012. Economically disadvantaged students accounted for 60.6% of all AP exams taken in 2012-2013, a decrease of 0.9 percentage points compared to 2011-2012. Twenty-one percent of the exams taken by economically disadvantaged students were scored at 3 or higher in 2012-2013, an increase of 1 percentage points compared to 2011-2012. Fifty-two percent of the exams taken by non-economically disadvantaged students were scored at 3 or higher in 2012-2013, an increase of 5 percentage points compared to 2011-2012.

### Trends in 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 4**.

**Figure 4. AP Participation and Performance in HISD (Grades 9-12): 2007-2013**



**Figure 4** indicates the following:

- The number of AP exams taken by high-school students increased by 13,605 (150%), from 9,088 in 2007 to 22,693 in 2013, although there is a decline of 534 (2%) exams in 2013 compared to 2012.
- The number of exams scored at a 3 or higher increased by 75% from 4,304 in 2007 to a district high of 7,524 in 2013 at the high-school level. However, the percent of AP exams taken with a score of 3 or higher decreased from 47% in 2007 to 33% in 2013. Note there is an increase of 2 percentage points, from 31% in 2012 to 33% in 2013 for AP exams taken with a score of 3 or higher.

**District Summary by Student Group**

AP course completion by student groups including race/ethnicity, gender, economic status, and LEP status were examined for 2012 and 2013. The number and percent of HISD students in grades 10–12 completing AP courses are presented by student group in **Table 2**. This table reflects an unduplicated count of students for courses.

**Table 2: 2012 and 2013 District Summary of AP Course Enrollment and Completion by Demographic Group, Grades 10–12 (Unduplicated Count)**

<b>2013</b>					
<b>Student Group</b>	<b>Total Gr 10-12 Enroll.</b>	<b>AP Course Enrollment</b>		<b>AP Course Completion</b>	
		<b>Total</b>	<b>Percent</b>	<b>Total</b>	<b>Percent</b>
African American	8,293	2,468	29.8	2,234	90.5
American Indian	88	28	31.8	26	92.9
Asian	1,299	807	62.1	794	98.4
Hispanic	18,383	6,557	35.7	5,862	89.4
Pac. Is./HI	72	36	50.0	35	97.2
White	2,986	1,506	50.4	1,446	96.0
2 or More	231	127	55.0	119	93.7
Other	544				
Econ. Disadv.	23,284	7,756	33.3	6,963	89.8
Non-Econ. Disadv.	8,612	3,773	43.8	3,553	94.2
LEP	2,659	281	10.6	247	87.9
Non-LEP	28,693	11,248	39.2	10,269	91.3
No LEP Info.	544				
Female	16,122	6,404	39.7	5,947	92.9
Male	15,774	5,125	32.5	4,569	89.2
<b>Total</b>	<b>31,896</b>	<b>11,529</b>	<b>36.1</b>	<b>10,516</b>	<b>91.2</b>
<b>2012</b>					
African American	8,972	2,638	29.4	2,421	91.8
American Indian	97	29	29.9	27	93.1
Asian	1,290	792	61.4	776	98.0
Hispanic	18,444	6,282	34.1	5,629	89.6
Pac. Is./HI	71	29	40.8	27	93.1
White	3,062	1,646	53.8	1,574	95.6
2 or More	223	127	57.0	119	93.7
Other	25				
Econ. Disadv.	23,063	7,488	32.5	6,728	89.9
Non-Econ. Disadv.	9,121	4,055	44.5	3,845	94.8
LEP	2,111	179	8.5	155	86.6
Non-LEP	30,048	11,364	37.8	10,418	91.7
No LEP Info.	25				
Female	16,119	6,400	39.7	5,960	93.1
Male	16,065	5,143	32.0	4,613	89.7
<b>Total</b>	<b>32,184</b>	<b>11,543</b>	<b>35.9</b>	<b>10,573</b>	<b>91.6</b>

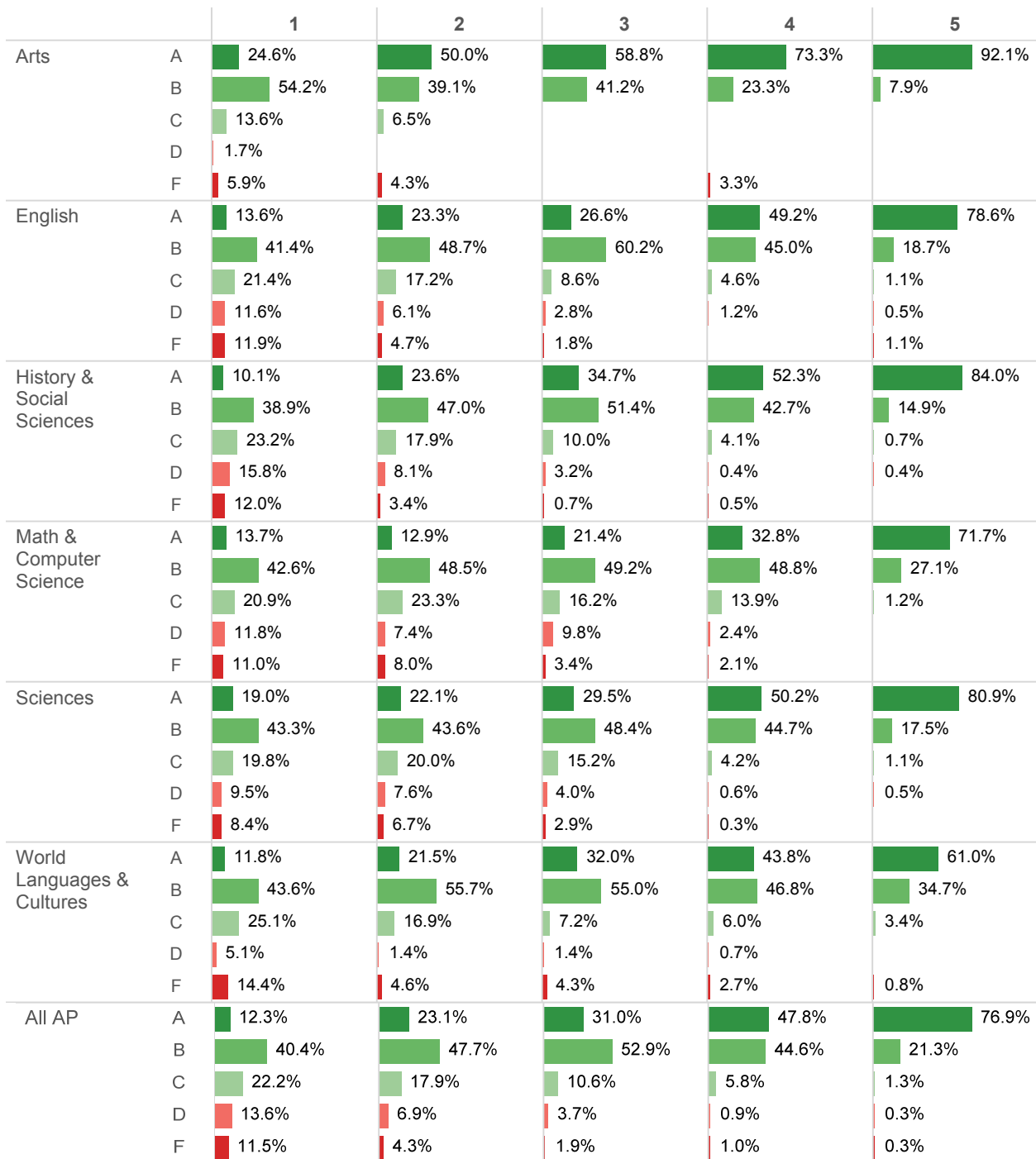
The data in **Table 2** indicates the following:

- In 2013, 36.1% of HISD students in grades 10-12 were enrolled in at least one AP course, reflecting an increase of 0.2 percentage points compared to 2012. Of the students enrolled in an AP course in 2013, 91.2% completed at least one AP course, a decline of 0.4 percentage points compared to 2012.
- In 2012 and 2013, Hispanic and African American students represented the largest student groups in grades 10 through 12; however, far fewer than half of the Hispanic and African American students were enrolled in an AP course. By contrast, more than half of White and Asian American students in grades 10-12 were enrolled in at least one AP course.
- The AP course participation rate of the students enrolled in grades 10-12 increased from 35.9% in 2012 to 36.1% in 2013. The participation rate in the AP courses increased for all race/ethnic groups in 2013 compared to 2012, except for White students and students of two or more race/ethnicities.
- The rate for completing at least one AP course declined from 91.6% in 2012 to 91.2% in 2013 for all students. The completion rates for Asian/Pacific Islander/Native Hawaiian, and White students increased, and the completion rates for the other race/ethnic groups decreased from 2012 to 2013.

**Figure 5a** shows the distribution of the grades in AP courses disaggregated by AP exam scores, and **Figure 5b** shows the distribution of AP exam scores by the grades in AP courses categorized by the six AP subject areas, and for all AP exams. These figures show all AP exams that were taken only by students who received a grade in the AP course. **Appendix A** provides the list of AP courses that comprise the subjects in the figures.



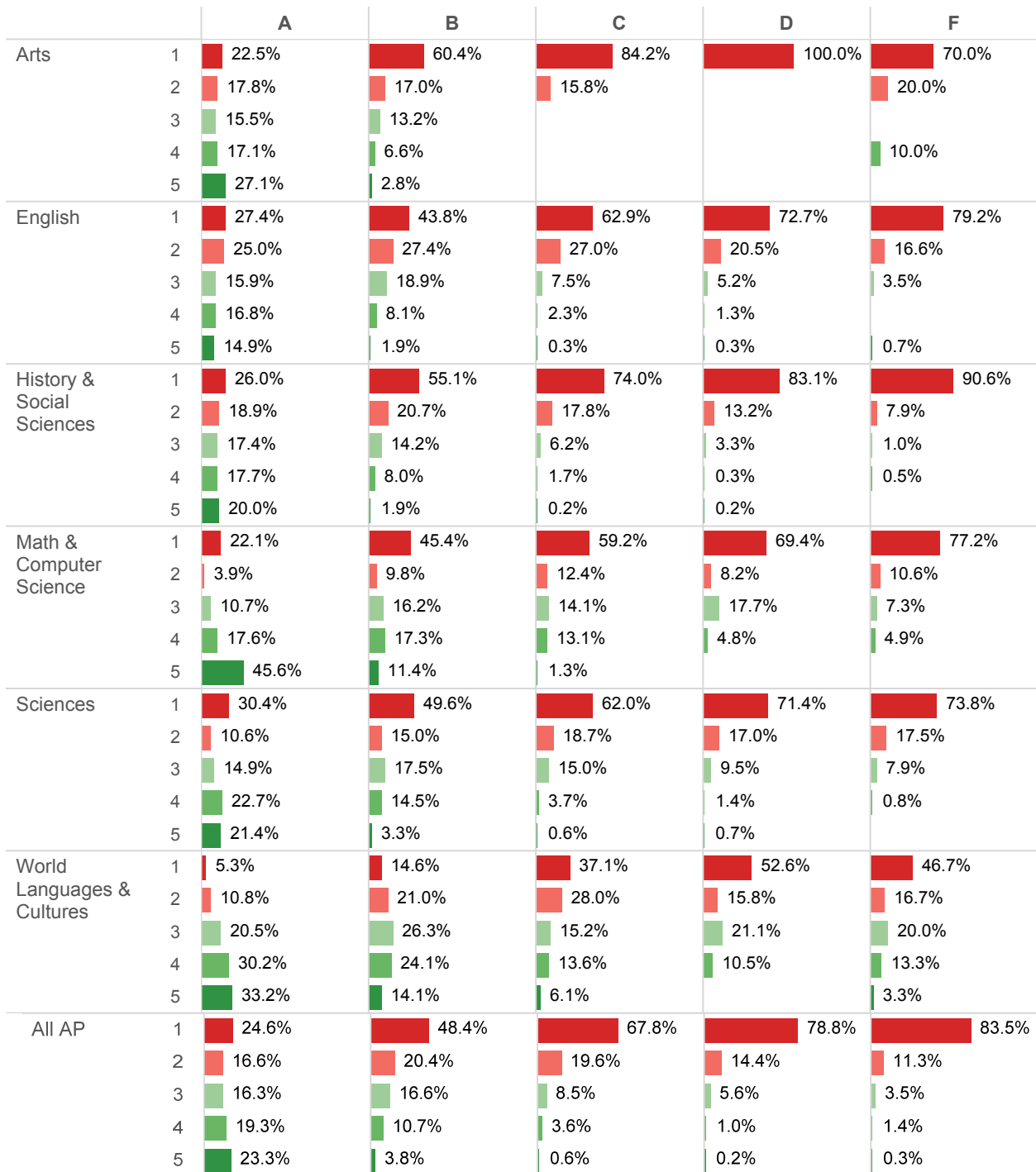
**Figure 5a. Distribution of Course Grades by AP Scores**  
**Percent of Students with stated AP Score**



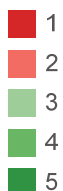
Course Grade



**Figure 5b. Distribution of AP Scores by Course Grades**  
**Percent of Students with stated Course Grade**



AP Exam Score



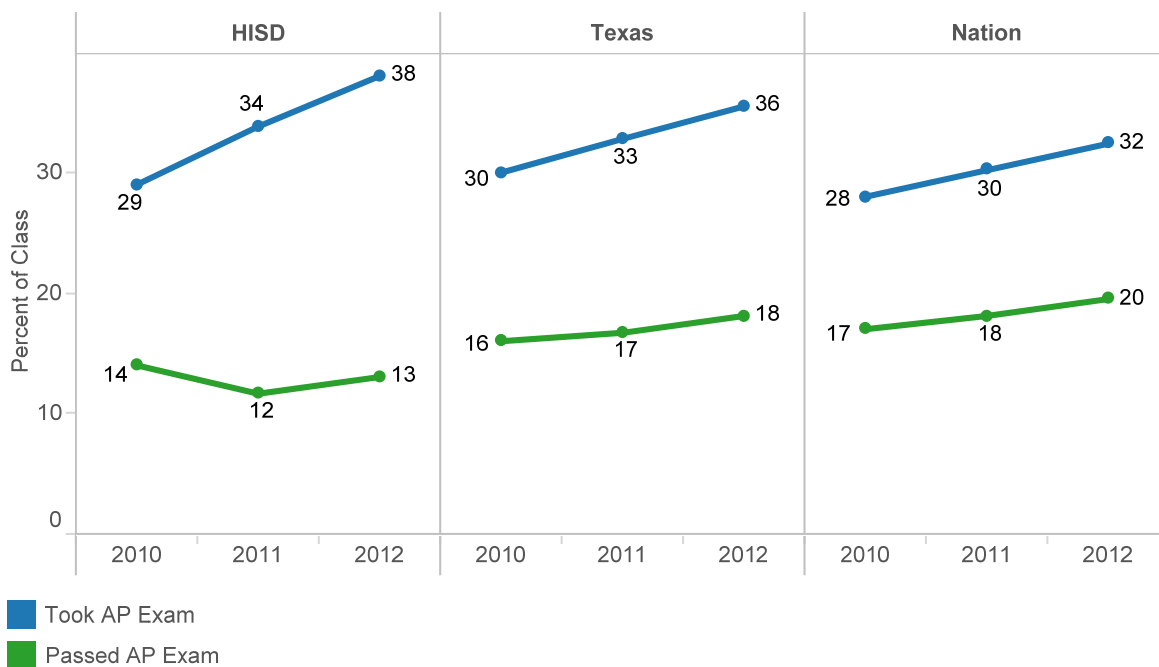
**Figures 5a and 5b** indicate the following:

- Seventy-five percent of all AP exams taken by students with a score of 1 have an associated course grade of C or higher, and 88% of all AP exams taken by students with a score of 2 have a course grade of C or higher.
- Forty-one percent of the students who earned an A in an AP course also earned an AP exam score of 1 or 2, 69% of the students who earned a B in an AP course also earned a 1 or 2 on the associated AP exam, and 87% of the students who earned an AP course grade of C also earned a 1 or 2 in the associated AP exam.

### Comparison with State and Nation

Participation and performance for the classes of 2010-2012 in the district, state, and nation are presented in **Figure 6**. The College Board provides data for graduating classes for the state and the nation in its annual *AP Report to the Nation* that is released in January of each year.

**Figure 6. Percent of High School Graduates Taking  $\geq 1$  AP Exam and Percent with AP Score  $\geq 3$ : Classes of 2010-2012**

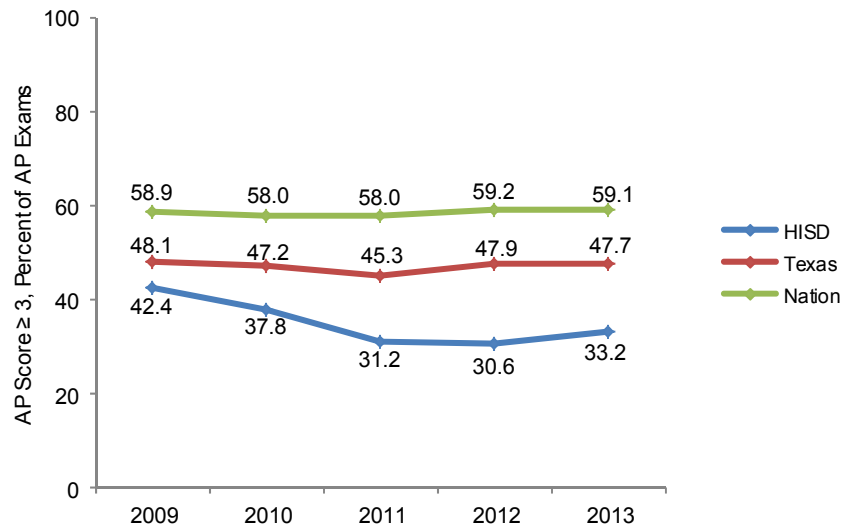


*Note: Source for 2010 - 2012 state and national data: AP Report to the Nation, 7<sup>th</sup>, 8<sup>th</sup>, and 9<sup>th</sup> editions, the College Board. Source for 2010 HISD data, College Board hard copy data report; 2011 HISD data derived from August 23, 2011 and July 30, 2012 AP electronic file; 2010-2011 and 2011-2012 PEIMS Graduates files (2011 and 2012 Fall submissions).*

- The percentage of HISD graduates who took an AP exam increased by nine percentage points (29% to 38%) from 2010 to 2012, exceeding the increases in both the state and the nation, and participation rates in both the state and nation.
- The percentage of graduates who passed an AP exam decreased by 1 percentage point (from 14% to 13%) during 2010-2012, whereas the state increased by 2 percentage points, and the nation increased by 3 percentage points.
- For the classes of 2010-2012, HISD trailed Texas and the nation in the percentage of graduates who passed an AP exam with a score of 3 or higher.

**Figure 7** shows a comparison of the trends in the percent of AP exams taken with a score of 3 or higher in HISD, Texas, and the nation in the period 2009–2013.

**Figure 7. Percent of AP Exams with Scores  $\geq 3$  (2009–2013):  
HISD, Texas, and Nation**



**Figure 7** indicates the following:

- The AP exams scored at 3 or higher in HISD declined from 42.4% in 2009 to a low of 30.6% in 2012, and increased in 2013 to 33.2%. The AP performance in the state and the nation both showed little variability during the same period. Note the decline in AP scores in HISD from 2009 to 2013 coincides with a significant increase in the number of AP exams taken, from 11,594 in 2009 to 22,693 in 2013 (see **Figure 4**).

**Figure 8a** shows the number of AP exams taken in HISD by subject, and the percent of exams with scores at or above 3 in HISD and the nation ranked by performance in HISD. **Figure 8b** shows the same data ranked by the number of exams taken in HISD by subject.

**Figure 8a. The Number of AP Exams Taken and Percent of AP Scores  $\geq 3$  by Subject:  
HISD and Nation (2013)**

*Ranked by HISD performance*

AP Exam	HISD Ex. Taken, N	HISD, % $\geq 3$	NATION, % $\geq 3$	HISD - NATION
Chinese Language and Culture	44	90.9	94.9	-4.0
Italian Language and Culture	21	90.5	70.2	20.3
French Language and Culture	36	86.1	78.1	8.0
Calculus BC	242	83.5	79.9	3.6
Spanish Literature	230	80.0	76.6	3.4
German Language and Culture	20	80.0	77.7	2.3
Japanese Language and Culture	10	80.0	76.5	3.5
Studio Art - 2-D Design	28	78.6	79.1	-0.5
Physics C - Electricity and Magnetism	48	60.4	69.4	-9.0
Studio Art - 3-D Design	5	60.0	67.9	-7.9
Spanish Language	2,304	58.7	70.5	-11.8
Physics C - Mechanics	97	55.7	74.6	-18.9
Biology	634	53.2	63.3	-10.1
Psychology	371	53.1	67.3	-14.2
Computer Science A	173	49.1	67.1	-18.0
European History	120	48.3	63.9	-15.6
Microeconomics	200	44.5	66.7	-22.2
Calculus AB	806	41.3	59.4	-18.1
Statistics	743	39.3	57.9	-18.6
Music Theory	105	38.1	61.0	-22.9
Latin - Vergil	8	37.5	66.6	-29.1
Comparative Government and Politics	38	36.8	59.8	-23.0
Physics B	504	33.1	62.6	-29.5
Chemistry	422	32.9	59.1	-26.2
Studio Art - Drawing	66	30.3	78.5	-48.2
Macroeconomics	1,360	29.6	54.3	-24.7
English Literature and Composition	1,759	29.3	57.9	-28.6
Art History	165	27.9	60.6	-32.7
English Language and Composition	2,914	25.8	55.0	-29.2
U.S. History	2,331	24.9	53.8	-28.9
Human Geography	1,160	24.3	53.0	-28.7
Environmental Science	495	24.2	48.2	-24.0
U.S. Government and Politics	1,939	22.4	51.6	-29.2
World History	3,295	19.9	48.9	-29.0
<b>Total Exams Taken</b>	<b>22,693</b>	<b>33.2</b>	<b>59.1</b>	<b>-25.9</b>

**Figure 8b. The Number of AP Exams Taken and Percent of AP Scores by Subject  $\geq 3$ : HISD and Nation (2013)**

*Ranked by the number of AP exams taken in HISD*

AP Exam	HISD Ex. Taken, N	HISD, % $\geq 3$	NATION, % $\geq 3$	HISD - NATION
World History	3,295	19.9	48.9	-29.0
English Language and Composition	2,914	25.8	55.0	-29.2
U.S. History	2,331	24.9	53.8	-28.9
Spanish Language	2,304	58.7	70.5	-11.8
U.S. Government and Politics	1,939	22.4	51.6	-29.2
English Literature and Composition	1,759	29.3	57.9	-28.6
Macroeconomics	1,360	29.6	54.3	-24.7
Human Geography	1,160	24.3	53.0	-28.7
Calculus AB	806	41.3	59.4	-18.1
Statistics	743	39.3	57.9	-18.6
Biology	634	53.2	63.3	-10.1
Physics B	504	33.1	62.6	-29.5
Environmental Science	495	24.2	48.2	-24.0
Chemistry	422	32.9	59.1	-26.2
Psychology	371	53.1	67.3	-14.2
Calculus BC	242	83.5	79.9	3.6
Spanish Literature	230	80.0	76.6	3.4
Microeconomics	200	44.5	66.7	-22.2
Computer Science A	173	49.1	67.1	-18.0
Art History	165	27.9	60.6	-32.7
European History	120	48.3	63.9	-15.6
Music Theory	105	38.1	61.0	-22.9
Physics C - Mechanics	97	55.7	74.6	-18.9
Studio Art - Drawing	66	30.3	78.5	-48.2
Physics C - Electricity and Magnetism	48	60.4	69.4	-9.0
Chinese Language and Culture	44	90.9	94.9	-4.0
Comparative Government and Politics	38	36.8	59.8	-23.0
French Language and Culture	36	86.1	78.1	8.0
Studio Art - 2-D Design	28	78.6	79.1	-0.5
Italian Language and Culture	21	90.5	70.2	20.3
German Language and Culture	20	80.0	77.7	2.3
Japanese Language and Culture	10	80.0	76.5	3.5
Latin - Vergil	8	37.5	66.6	-29.1
Studio Art - 3-D Design	5	60.0	67.9	-7.9
<b>Total Exams Taken</b>	<b>22,693</b>	<b>33.2</b>	<b>59.1</b>	<b>-25.9</b>

**Figures 8a and 8b** indicate the following based on the results in 2013:

- The number of AP exams taken in HISD ranged from a low of 5 in Studio Art – 3-D Design to 3,295 in World History.
- The percent of AP exams with a score of 3 or higher in HISD ranged from a low of 19.9% in World History to 90.9% in Chinese Language and Culture.
- The top eight subjects by the number of AP exams taken (World History, English Language and Composition, U.S. History, Spanish Language, U.S. Government and

Politics, English Literature and Composition, Macroeconomics, and Human Geography) accounted for 75% of the total number of AP exams taken. These subjects account for 72% of the overall gap across all subjects between HISD and the nation.

#### Student AP Course and Exam Participation and Performance by Campus

**Figure 9a** shows the number of AP exams taken and the percent of exams scored at 3 or higher in grades 9-12 for each campus in 2012 and 2013 sorted by performance. **Figure 9b** shows the same data sorted by the number of exams taken. All AP exams are represented in this figure, regardless of whether the student was enrolled in the AP course. **Appendix B** provides additional details for the number of AP exams taken and the corresponding performance by subject in each campus.

**Figure 9a. The Number of AP Exams Taken and Percent Scores  $\geq 3$  by HISD Campus\*\*: 2012 and 2013**

Ranked by the AP Performance in 2013

Campus	2012		2013		Change, 2013 - 2012	
	Exams Taken, N	% Exams $\geq 3$	Exams Taken, N	% Exams $\geq 3$	Exams Taken, N	% Exams $\geq 3$
DeBakey HS	992	88.6	1,003	91.6	11	3.0
Bellaire HS	2,599	82.1	2,557	81.5	-42	-0.6
HSPVA	707	43.3	640	70.3	-67	27.0
Carnegie HS	988	65.9	1,273	64.7	285	-1.2
Westside HS	1,859	45.2	1,707	44.5	-152	-0.7
Eastwood Academy	584	39.2	465	43.9	-119	4.7
Challenge HS	368	36.1	557	31.2	189	-4.9
Chavez HS	1,073	18.5	1,141	30.5	68	12.0
Milby HS	841	24.3	549	29.9	-292	5.6
East Early College HS	309	24.6	279	29.0	-30	4.4
Sharpstown International	354	13.0	281	26.3	-73	13.3
Austin HS	516	20.7	404	24.5	-112	3.8
Houston Acad. for Int'l Stud.	338	17.8	311	20.3	-27	2.5
Waltrip HS	567	17.3	636	20.3	69	3.0
Sharpstown HS	695	12.5	616	18.2	-79	5.7
North Houston Early College HS	223	9.9	185	17.8	-38	7.9
Lamar HS	1,714	14.4	1,731	15.9	17	1.5
Davis HS	552	21.2	620	15.6	68	-5.6
Reagan HS	723	15.6	1,035	13.4	312	-2.2
Houston MSTC	794	14.2	1,022	12.4	228	-1.8
Westbury HS	1,130	12.7	957	10.7	-173	-2.0
HSLECJ	645	10.2	737	9.5	92	-0.7
Mount Carmel Academy	93	7.5	113	8.8	20	1.3
Madison HS	524	7.4	525	8.6	1	1.2
Worthing HS	228	3.1	149	8.1	-79	5.0
Scarborough HS	314	5.7	289	7.3	-25	1.6
Lee HS	575	9.7	586	6.0	11	-3.7
Young Women's College Prep	82	1.0	109	4.6	27	3.6
Jordan HS	402	9.0	355	4.5	-47	-4.5
Washington HS	252	10.7	281	3.9	29	-6.8
Sterling HS	206	1.9	169	3.6	-37	1.7
Energized HS SW	66	0.0	226	3.5	160	3.5
Jones HS	170	0.6	120	3.3	-50	2.7
Yates HS	166	0.0	170	2.9	4	2.9
Empowerment College Prep HS	105	8.6	49	2.0	-56	-6.6
Energized HS SE	355	0.3	192	1.6	-163	1.3
Kashmere HS	113	0.0	115	0.9	2	0.9
Furr HS	653	2.5	373	0.8	-280	-1.7
Wheatley HS	346	4.0	152	0.0	-194	-4.0
CLC HS/DeVry Acad.	6	0	1	*	-5	*
Long Academy		*	3	*	3	*
<b>HISD</b>	<b>23,227</b>	<b>30.6</b>	<b>22,693</b>	<b>33.2</b>	<b>-534</b>	<b>2.6</b>

\* Masked:  $n < 5$

\*\*Bellaire and Lamar high schools offer the International Baccalaureate Program in addition to Advanced Placement.



**Figure 9b. The Number of AP Exams Taken and Percent Scores  $\geq 3$  by HISD Campus\*\*: 2012 and 2013**

Ranked by the number of AP exams taken in 2013

Campus	2012		2013		Change, 2013 - 2012	
	Exams Taken, N	% Exams $\geq 3$	Exams Taken, N	% Exams $\geq 3$	Exams Taken, N	% Exams $\geq 3$
Bellaire HS	2,599	82.1	2,557	81.5	-42	-0.6
Lamar HS	1,714	14.4	1,731	15.9	17	1.5
Westside HS	1,859	45.2	1,707	44.5	-152	-0.7
Carnegie HS	988	65.9	1,273	64.7	285	-1.2
Chavez HS	1,073	18.5	1,141	30.5	68	12.0
Reagan HS	723	15.6	1,035	13.4	312	-2.2
Houston MSTC	794	14.2	1,022	12.4	228	-1.8
DeBakey HS	992	88.6	1,003	91.6	11	3.0
Westbury HS	1,130	12.7	957	10.7	-173	-2.0
HSLECJ	645	10.2	737	9.5	92	-0.7
HSPVA	707	43.3	640	70.3	-67	27.0
Waltrip HS	567	17.3	636	20.3	69	3.0
Davis HS	552	21.2	620	15.6	68	-5.6
Sharpstown HS	695	12.5	616	18.2	-79	5.7
Lee HS	575	9.7	586	6.0	11	-3.7
Challenge HS	368	36.1	557	31.2	189	-4.9
Milby HS	841	24.3	549	29.9	-292	5.6
Madison HS	524	7.4	525	8.6	1	1.2
Eastwood Academy	584	39.2	465	43.9	-119	4.7
Austin HS	516	20.7	404	24.5	-112	3.8
Furr HS	653	2.5	373	0.8	-280	-1.7
Jordan HS	402	9.0	355	4.5	-47	-4.5
Houston Acad. for Int'l Stud.	338	17.8	311	20.3	-27	2.5
Scarborough HS	314	5.7	289	7.3	-25	1.6
Sharpstown International	354	13.0	281	26.3	-73	13.3
Washington HS	252	10.7	281	3.9	29	-6.8
East Early College HS	309	24.6	279	29.0	-30	4.4
Energized HS SW	66	0.0	226	3.5	160	3.5
Energized HS SE	355	0.3	192	1.6	-163	1.3
North Houston Early College HS	223	9.9	185	17.8	-38	7.9
Yates HS	166	0.0	170	2.9	4	2.9
Sterling HS	206	1.9	169	3.6	-37	1.7
Wheatley HS	346	4.0	152	0.0	-194	-4.0
Worthing HS	228	3.1	149	8.1	-79	5.0
Jones HS	170	0.6	120	3.3	-50	2.7
Kashmere HS	113	0.0	115	0.9	2	0.9
Mount Carmel Academy	93	7.5	113	8.8	20	1.3
Young Women's College Prep	82	1.0	109	4.6	27	3.6
Empowerment College Prep HS	105	8.6	49	2.0	-56	-6.6
Long Academy		*	3	*	3	*
CLC HS/DeVry Acad.	6	0	1	*	-5	*
<b>HISD</b>	<b>23,227</b>	<b>30.6</b>	<b>22,693</b>	<b>33.2</b>	<b>-534</b>	<b>2.6</b>

\* Masked:  $n < 5$

\*\*Bellaire and Lamar high schools offer the International Baccalaureate Program in addition to Advanced Placement.

**Figures 9a and 9b** indicate the following:

- The number of AP exams taken in HISD campuses in 2013 ranged from 1 at CLC/Devry Acad. (now closed) to 2,557 at Bellaire HS, with a median number of 373 exams taken across 41 campuses.
- The percent of AP exams with a score of 3 or higher in 2013 ranged from 0% at Wheatley HS to 91.6% at DeBakey HS, with a median performance of 12.4%.
- The following eight campuses accounted for 50.5% of all AP exams taken in HISD in 2013: Bellaire HS, Carnegie HS, Chavez HS, DeBakey HS, Houston MSTC, Lamar HS, Reagan HS, and Westside HS.
- Nineteen campuses increased the number of AP exams taken, and 22 campuses decreased the number of AP exams taken in 2013 compared to 2012.
- The AP performance improved at 24 campuses, and declined at 15 campuses in 2013 compared to 2012.

**Figure 10** shows the percent of courses completed by HISD students in grades 9-12 who were enrolled in AP courses, and the percent of exams scored at 3 or higher. The percent of AP exams scored at a 3 or higher in **Figure 10** is based on the number of students who were enrolled in the AP course and took the corresponding AP exam. Additional details are provided in **Appendix C** that shows the number of courses taken and completed by HISD students in grades 9-12 at each campus as well as the number of exams taken by students enrolled in the AP courses and the number and percent of these exams that scored 3 or higher.

**Figure 10. Percent of AP Courses Completed and Percent of Corresponding AP Exam Scores  $\geq 3$  by Campus\*\*: Grades 9-12 (2012-2013)**

Ranked by percent of AP courses completed

Campus	AP Course Completion, %	AP Score $\geq 3$ , %
HSPVA	99.7	70.2
DeBakey HS	99.0	91.8
Bellaire HS	98.2	81.3
Mount Carmel Academy	98.1	7.5
Kashmere HS	98.1	0.0
Lee HS	98.1	5.6
Westside HS	97.2	42.6
Carnegie Vanguard	96.6	64.5
Eastwood Academy HS	95.6	43.7
E-STEM SE	95.3	1.6
Jones HS	95.1	2.5
Challenge HS	94.9	22.7
Reagan HS	94.8	12.8
East Early College HS	94.8	11.7
Milby HS	93.9	19.8
Jordan HS	93.9	2.1
Furr HS	93.6	0.6
Sharpstown International	93.5	24.6
Sharpstown HS	92.8	16.5
Yates HS	92.6	2.7
Houston MSTC	92.3	11.9
Lamar HS	91.0	11.4
Davis HS	90.8	5.7
Wheatley HS	90.1	0.0
Westbury HS	90.0	10.7
HSLECJ	89.0	9.5
Madison HS	88.1	7.6
Sterling HS	87.4	3.8
Austin HS	87.3	18.3
Houston Acad. for Int'l Studies	86.9	9.6
Scarborough HS	86.8	3.7
Waltrip HS	86.6	16.1
Worthing HS	85.4	3.1
Chavez HS	84.3	22.9
North Houston Early College HS	83.6	21.4
Washington HS	77.9	2.9
E-STEM SW	77.4	1.5
Empowerment HS	75.0	0.0
Young Women's College Prep	72.0	4.7
Long Academy	*	*
<b>HISD</b>	<b>93.0</b>	<b>31.1</b>

\* Masked:  $n < 5$

\*\* Bellaire and Lamar high schools offer the International Baccalaureate Program in addition to Advanced Placement.

**Figure 10** indicates the following:

- HISD students in grades 9-12 completed 93% of the AP courses taken, and took the corresponding AP exam in 2012-2013. Of the courses completed, 31% of the corresponding AP exams were scored at a 3 or higher.
- Completion rates for AP courses ranged from 72% at Young Women's College Preparatory Academy to 99.7% at the High School for the Performing and Visual Arts.
- Out of the 39 schools that offered AP courses in 2012-2013 and had at least five students enrolled, 25 (64%) had at least 90% of the courses successfully completed by students.
- The six campuses with AP exam success rates of at least 40% had AP course completion rates exceeding 95%; however, high completion rates do not necessarily ensure high success rates on the AP exams.

**Figure 11** shows the percent of students in grades 10-12 who completed at least one AP course in 2011-2012 and 2012-2013. **Appendix D** also shows the grade 10–12 enrollment on each campus and the number and percent of students in grades 10–12 completing at least one AP course for 2011-2012 and 2012-2013. Very few AP courses are available for students in grade 9, but ninth grade is usually the largest grade level at comprehensive high schools. Thus, basing percentages of AP courses and exams taken on enrollment that includes 9<sup>th</sup> graders does not truly reflect the rates of participation. Data for **Figure 11** and **Appendix D** is unduplicated; a student in grades 10-12 is counted only once if the student took and completed one or more AP courses. Percentages are based on AP courses taken by students in grades 10–12.

**Figure 11. Percent of Students Enrolled in Grades 10-12 Completing  $\geq 1$  AP Course by Campus\*: 2011-2012 and 2012-2013 (unduplicated counts)**

Campus	2012	2013	Change, 2013-2012
E-STEM SE	92.9	100.0	7.1
Carnegie Vanguard	97.8	98.4	0.6
E-STEM SW	100.0	96.6	-3.4
HSLECJ	80.2	80.7	0.6
Challenge HS	40.1	74.5	34.4
Young Women's College Prep		70.0	
DeBakey HS	67.2	65.1	-2.1
Houston Acad. for Int'l Studies	75.8	62.2	-13.6
Eastwood Academy HS	66.7	60.2	-6.5
HSPVA	76.9	57.5	-19.4
Sharpstown International	60.9	53.4	-7.5
Jordan HS	41.3	51.3	10.0
Furr HS	62.4	48.2	-14.2
Empowerment HS	79.3	47.8	-31.5
Westside HS	42.0	43.6	1.6
East Early College HS	54.4	40.7	-13.7
Scarborough HS	35.3	39.1	3.8
Bellaire HS	36.1	37.6	1.5
North Houston Early College HS	40.1	37.0	-3.1
Reagan HS	27.2	36.5	9.2
Lee HS	28.2	35.7	7.5
Westbury HS	30.9	34.0	3.1
Houston MSTC	22.5	33.2	10.7
Sharpstown HS	35.4	31.0	-4.4
Lamar HS	29.8	30.9	1.0
Mount Carmel Academy	22.0	29.9	7.8
Waltrip HS	28.1	28.1	0.0
Chavez HS	31.1	28.0	-3.0
Davis HS	25.8	27.0	1.2
Washington HS	26.3	22.3	-4.0
Madison HS	21.8	21.5	-0.3
Yates HS	20.7	20.4	-0.3
Wheatley HS	23.2	18.6	-4.6
Milby HS	22.6	17.9	-4.7
Kashmere HS	18.6	16.8	-1.8
Worthing HS	23.5	16.5	-7.0
Sterling HS	19.5	16.4	-3.2
Austin HS	22.2	16.3	-5.8
Jones HS	32.1	16.3	-15.8
<b>HISD</b>	<b>32.9</b>	<b>33.0</b>	<b>0.1</b>

\*Bellaire and Lamar high schools offer the International Baccalaureate Program in addition to Advanced Placement.

**Figure 11** indicates the following:

- For HISD, 33% of students in grades 10-12 completed at least one AP course in 2012-2013, up from 32.9% in 2011-2012.
- During 2012-2013, 15 of the 38 (39%) HISD campuses with two years of data increased their percent of students who completed at least one AP course from the previous year.
- The percent of students enrolled in grades 10-12 who completed at least one AP in 2012-2013 ranged from 16.3% at Austin HS and Jones HS to 100% at Energized for Science and Technology SE HS, with a median of 36.5%.

### Campus Participation and Performance by Exam

Analysis of district-wide participation focused on the number of students taking any of the possible 34 AP exams offered by the College Board. Results for 2012–2013 are presented in **Appendix E**. Additionally, the number of students taking each exam and the percent scoring a 3 or higher are presented for each exam.

### AP Exam Participation and Performance by Campus

Advanced Placement Course enrollment and exam data are presented by campus in **Appendix F**. Data analyzed are duplicated by exam and include the grade 10–12 enrollment on each campus, the number of AP courses offered, and the number and percent of AP courses completed (passed), and the number and percent of AP exams taken and scored at 3 or higher.

### 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. The following AP awards are offered by the College Board: AP Scholar, AP Scholar with Honor, AP Scholar with Distinction, State AP Scholar, and National AP Scholar. The criteria for receiving these awards are shown in **Appendix A-2**.

**Figure 12** shows the total number of AP awards earned by campus in 2012 and 2013. Additional details of the awards earned at each campus by the award category are shown in **Appendix G**.

**Figure 12. The Number of AP Awards Earned by Campus: 2012 and 2013**

*Ranked by the number of awards in 2013*

Campus	2012	2013	Change, 2013-2012
Bellaire HS	501	496	-5
DeBakey HS	197	215	18
Westside HS	169	190	21
Carnegie HS	148	185	37
HSPVA	54	103	49
Lamar HS	5	47	42
Eastwood Academy	27	45	18
Challenge HS	12	44	32
Reagan HS	13	22	9
Chavez HS	10	20	10
Milby HS	17	19	2
Waltrip HS	10	19	9
Westbury HS	14	14	0
HSLECJ	4	10	6
Davis HS	8	9	1
Houston MSTC	5	6	1
Sharpstown HS	1	6	5
North Houston Early College HS	5	5	0
Sharpstown International	3	5	2
Lee HS	3	3	0
Madison HS	2	3	1
Mount Carmel Academy	1	3	2
Austin HS	2	2	0
East Early College HS	6	2	-4
Houston Acad. for Int'l Studies	1	2	1
Scarborough HS	1	2	1
Jordan HS	2	1	-1
Worthing HS	0	1	1
Young Women's College Prep	0	1	1
Furr HS	1	0	-1
Washington HS	4	0	-4
<b>HISD</b>	<b>1,227</b>	<b>1,480</b>	<b>253</b>

**Figure 12** indicates the following:

- The number of AP Scholar Awards presented to HISD students increased by 20.6% from 1,227 in 2012 to 1,480 in 2013.
- The median number of awards in 2013 earned at 29 campuses is 9.
- Bellaire HS accounted for 33.5% of all AP awards earned in HISD in 2013.
- Eighty percent of all AP awards were earned by students in five campuses: Bellaire HS, Carnegie HS, DeBakey HS, High School for the Performing and Visual Arts, and Westside HS.

- Twenty-two campuses earned more awards in 2013 compared to 2012 with eight campuses showing double-digit gains.
- The largest gain in AP awards in 2013 occurred at the High School for the Performing and Visual Arts with an increase of 49 awards compared to 2012.

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

Though AP 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. **Table 3** presents AP course and exam participation and performance for students in grades 8–9. Counts presented in **Table 3** are duplicated.

**Table 3: 8<sup>th</sup> and 9<sup>th</sup> Grade AP Participation and Performance (Duplicated Count): 2012 and 2013**

2013							
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	326	321	99	379	118	286	76
9	1,293	1,091	84	1,540	141	491	32
<b>Total</b>	<b>1,619</b>	<b>1,412</b>	<b>87</b>	<b>1,919</b>	<b>136</b>	<b>777</b>	<b>41</b>

2012							
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	273	263	96	317	121	211	67
9	1,720	1,391	81	1,969	142	501	25
<b>Total</b>	<b>1,993</b>	<b>1,654</b>	<b>83</b>	<b>2,286</b>	<b>138</b>	<b>712</b>	<b>31</b>

\* Course and exam data are not linked.

**Table 3** indicates the following:

- In 2013, 1,619 district eighth and ninth graders enrolled in an AP course, compared to 1,993 district eighth and ninth graders enrolled in an AP course in 2012. In 2013, 1,412 (87%) of those students completed the course, compared to 1,654 (83%) in 2012.
- A combined total of 1,919 HISD eighth and ninth graders took AP exams in 2013, compared to 2,286 in 2012 representing a decrease of 16%.
- In 2013, 41 percent of those exams were scored at a 3 or higher, up 10 percentage points from 2012.



## 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 indicate that student participation in AP courses increased from 35.9% in 2012 to 36.1% in 2013 in the district. The number of AP exam takers decreased by 3.2% from 13,403 in 2012 to 12,966 in 2013. The number of AP exams taken decreased by 2.3% from 23,227 in 2012 to 22,693 in 2013. In spite of the decreases in AP testers and the number of AP exams taken, 418 more students had AP exams scored at 3 or higher, reflecting an increase of 5.9% from 2012 to 2013. In addition, 33.2% of all AP exams taken in 2013 by HISD students in grades 9-12 had AP scores of 3 or higher compared to 30.6% in 2012. The HISD graduates class of 2012 set a new record with 38% (a gain of 4 percentage points compared to the class of 2011) having taken at least one AP exam compared to 32% in the nation. The number of AP awards presented to HISD students increased by 253 to a new district record of 1,480 reflecting a 20.6% increase in 2013 compared to 2012. Twenty-two campuses earned more AP awards in 2013 than in 2012 including eight campuses that increased the number of AP awards earned in 2013 by double-digits compared to 2012. Many more HISD students are being exposed to Advanced Placement courses and to the opportunity to earn college credits while still in high school for free.

## **AP Exam Subjects Available and Offered in HISD**

### **Arts (5)**

Art History  
Music Theory  
Studio Art: 2-D Design  
Studio Art: 3-D Design  
Studio Art: Drawing

### **English (2)**

English Language and Composition  
English Literature and Composition

### **History & Social Science (9)**

Comparative Government and Politics  
European History  
Human Geography  
Macroeconomics  
Microeconomics  
Psychology  
United States Government and Politics  
United States History  
World History

### **Math & Computer Science (4)**

Calculus AB  
Calculus BC  
Computer Science A  
Statistics

### **Sciences (6)**

Biology  
Chemistry  
Environmental Science  
Physics B  
Physics C: Electricity and Magnetism  
Physics C: Mechanics

### **World Languages & Cultures (8)**

Chinese Language and Culture  
French Language and Culture  
German Language and Culture  
Italian Language and Culture  
Japanese Language and Culture  
Latin  
Spanish Language and Culture  
Spanish Literature and Culture

### Advanced Placement Award Levels Available to HISD Students

Award	Criteria
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, <u>and</u> 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, <u>and</u> scores of 3 or higher on five or more of these exams.
State AP Scholar	Granted to the one male and one female student in each U.S. state and the District of Columbia with scores of 3 or higher on the greatest number of AP exams, <u>and then</u> the highest average score (at least 3.5) on all AP exams taken.
National AP Scholar	Granted to students in the United States who receive an average score of at least 4 on all AP exams taken, <u>and</u> scores of 4 or higher on eight or more of these exams.

**Appendix B: HISD 2012 and 2013 AP Participation and Number and Percent of Exams Scored at 3 or Higher by Campus\*\*:  
Grades 9-12**

School	2012				2013			
	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	394	516	107	21	274	404	99	25
Bellaire	949	2,599	2,135	82	926	2,567	2,091	82
Carnegie	487	988	651	66	566	1,273	824	65
Challenge	280	368	133	36	381	557	174	31
Chavez	732	1,073	199	19	727	1,141	348	31
CLC	6	6	0	0	1	1	*	*
Davis	339	552	117	21	370	620	97	16
DeBakey	401	992	879	89	393	1,003	919	92
East Early Coll.	250	309	76	25	246	279	81	29
Eastwood	291	584	229	39	248	465	204	44
Empowerment	93	105	9	9	46	49	1	2
E-STEM SE	111	355	1	0	43	192	3	2
E-STEM SW	44	66	0	0	119	226	8	4
Furr	352	653	16	2	240	373	3	1
Hou. Acad. Int'l	235	338	60	18	214	311	63	20
Houston MSTC	421	794	113	14	584	1,022	127	12
HSLECJ	325	645	66	10	345	737	70	10
HSPVA	357	707	306	43	294	640	450	70
Jones	96	170	1	1	86	120	4	3
Jordan	281	402	36	9	246	355	16	5
Kashmere	60	113	0	0	58	115	1	1
Lamar	1,631	1,714	246	14	1,645	1,731	276	16
Lee	302	575	56	10	328	586	35	6
Long Academy					*	*	*	*
Madison	386	524	39	7	337	525	45	9
Milby	462	841	204	24	351	549	164	30
Mt. Carmel	60	93	7	8	73	113	10	9
N. Houston Early	142	223	22	10	125	185	33	18
Reagan	393	723	113	16	584	1,035	139	13
Scarborough	150	314	18	6	170	289	21	7
Sharpstown	422	695	87	13	348	616	112	18
Sharpstown Int'l	216	354	46	13	178	281	74	26
Sterling	122	206	4	2	117	169	6	4
Waltrip	309	567	98	17	345	636	129	20
Washington	165	252	27	11	135	281	11	4
Westbury	633	1,130	143	13	543	957	102	11
Westside	997	1,859	840	45	817	1,707	760	45
Wheatley	198	346	14	4	119	152	0	0
Worthing	127	228	7	3	119	149	12	8
Yates	110	166	0	0	113	170	5	3
YWCPA	74	82	1	1	109	109	5	5
<b>HISD</b>	<b>13,403</b>	<b>23,227</b>	<b>7,106</b>	<b>31</b>	<b>12,966</b>	<b>22,693</b>	<b>7,524</b>	<b>33</b>
<b>Texas</b>	<b>208,181</b>	<b>375,550</b>	<b>179,622</b>	<b>48</b>	<b>209,543</b>	<b>398,130</b>	<b>190,042</b>	<b>48</b>
<b>Nation</b>	<b>2,053,941</b>	<b>3,609,939</b>	<b>2,123,139</b>	<b>59</b>	<b>2,168,995</b>	<b>3,864,035</b>	<b>2,284,890</b>	<b>59</b>

\* Fewer than 5 testers.

\*\* Bellaire and Lamar high schools offer the International Baccalaureate Program in addition to Advanced Placement.

Source: 2012 College Board electronic file, July 30, 2012; 2013 College Board electronic file, August 29, 2013

**Appendix C: HISD 2013 AP Course and Exam Performance by Students who Both Enrolled in an AP Course and Took the AP Exam, by Campus\*\*: Grades 9-12**

Campus	Number Courses Enrolled	Number Courses Completed	% Courses Completed	Number Exams Taken	Number Exams Scored 3+	% Exams Scored 3+
Austin	306	267	87.3	306	56	18.3
Bellaire	2,168	2,130	98.2	2,123	1,726	81.3
Carnegie	1,274	1,231	96.6	1,260	813	64.5
Challenge	449	426	94.9	449	102	22.7
Chavez	888	749	84.3	888	203	22.9
Davis	512	465	90.8	512	29	5.7
DeBakey	986	976	99.0	986	905	91.8
East Early Coll.	154	146	94.8	154	18	11.7
Eastwood	451	431	95.6	451	197	43.7
Empowerment	44	33	75.0	44	0	0.0
E-STEM SE	191	182	95.3	191	3	1.6
E- STEM SW	137	106	77.4	137	2	1.5
Furr	358	335	93.6	358	2	0.6
Hou. Acad. Int'l	229	199	86.9	229	22	9.6
Houston MSTC	976	901	92.3	976	116	11.9
HSLECJ	724	644	89.0	724	69	9.5
HSPVA	618	616	99.7	618	434	70.2
Jones	81	77	95.1	81	2	2.5
Jordan	327	307	93.9	327	7	2.1
Kashmere	106	104	98.1	106	0	0.0
Lamar	1,243	1,131	91.0	1,243	142	11.4
Lee	568	557	98.1	567	32	5.6
Long Academy	2	*	*	2	*	*
Madison	497	438	88.1	497	38	7.6
Milby	394	370	93.9	394	78	19.8
Mt. Carmel	107	105	98.1	107	8	7.5
N. Houston Early	140	117	83.6	140	30	21.4
Reagan	1,003	951	94.8	1,003	128	12.8
Scarborough	243	211	86.8	243	9	3.7
Sharpstown	570	529	92.8	570	94	16.5
Sharpstown Int'l	277	259	93.5	272	67	24.6
Sterling	159	139	87.4	159	6	3.8
Waltrip	599	519	86.6	579	93	16.1
Washington	272	212	77.9	272	8	2.9
Westbury	942	848	90.0	942	101	10.7
Westside	1,525	1,483	97.2	1,525	650	42.6
Wheatley	142	128	90.1	142	0	0.0
Worthing	96	82	85.4	96	3	3.1
Yates	149	138	92.6	149	4	2.7
YWCPA	107	77	72.0	107	5	4.7
<b>HISD</b>	<b>20,014</b>	<b>18,621</b>	<b>93.0</b>	<b>19,929</b>	<b>6,202</b>	<b>31.1</b>

Note: AP courses and exams are linked in this table; all students who took an AP course also took the AP exam.

\* Fewer than 5 students.

\*\*Bellaire and Lamar high schools offer the International Baccalaureate Program in addition to Advanced Placement.

**Appendix D: AP Course Participation by Campus\*, Grades 10-12: 2012 and 2013 School Years (Unduplicated Count)**

Campus	2012			2013		
	Total Enroll. 10-12	Number Comp. at least 1 AP Course	% of Enroll Comp. at least 1 AP Course	Total Enroll. 10-12	Number Comp. at least 1 AP Course	% of Enroll Comp. at least 1 AP Course
Austin	1,205	267	22.2	1,188	194	16.3
Bellaire	2,478	894	36.1	2,297	863	37.6
Carnegie	319	312	97.8	366	360	98.4
Challenge	324	130	40.1	330	246	74.5
Chavez	1,745	542	31.1	1,869	524	28.0
Davis	1,024	264	25.8	1,070	289	27.0
DeBakey	600	403	67.2	601	391	65.1
East Early Coll.	316	172	54.4	329	134	40.7
Eastwood	288	192	66.7	299	180	60.2
Empowerment	58	46	79.3	69	33	47.8
E-STEM SE	99	92	92.9	43	43	100.0
E-STEM SW	83	83	100.0	119	115	96.6
Furr	516	322	62.4	585	282	48.2
Hou. Acad. Int'l	281	213	75.8	296	184	62.2
Houston MSTC	1,717	386	22.5	1,673	555	33.2
HSLECJ	388	311	80.2	363	293	80.7
HSPVA	480	369	76.9	496	285	57.5
Jones	312	100	32.1	295	48	16.3
Jordan	712	294	41.3	674	346	51.3
Kashmere	311	58	18.6	327	55	16.8
Lamar	2,295	685	29.8	2,439	753	30.9
Lee	1,039	293	28.2	956	341	35.7
Madison	1,407	307	21.8	1,332	286	21.5
Milby	1,323	299	22.6	1,361	243	17.9
Mt. Carmel	245	54	22.0	241	72	29.9
N. Houston Early	284	114	40.1	270	100	37.0
Reagan	1,400	381	27.2	1,432	522	36.5
Scarborough	445	157	35.3	399	156	39.1
Sharpstown	824	292	35.4	851	264	31.0
Sharpstown Int'l	297	181	60.9	309	165	53.4
Sterling	599	117	19.5	611	100	16.4
Waltrip	1,201	337	28.1	1,100	309	28.1
Washington	551	145	26.3	497	111	22.3
Westbury	1,477	456	30.9	1,417	482	34.0
Westside	2,165	909	42.0	1,922	838	43.6
Wheatley	616	143	23.2	587	109	18.6
Worthing	524	123	23.5	449	74	16.5
Yates	658	136	20.7	619	126	20.4
YWCPA				60	42	70.0
<b>HISD</b>	<b>32,184</b>	<b>10,583</b>	<b>32.9</b>	<b>31,896</b>	<b>10,516</b>	<b>33.0</b>

\*Bellaire and Lamar high schools offer the International Baccalaureate Program in addition to Advanced Placement.

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

**Appendix E: Advanced Placement (AP) Report for 2012-13**  
**AP Exam Results of High School Students (9th thru 12th Grades and Grade Level Not Indicated) by Exam and by Campus**  
**Number of Exams Scored 3 or Higher Versus Number of Exams Taken**

		Houston ISD	Austin HS	Bellaire HS	Carnegie HS	Challenge HS	Chavez HS	CLC/DeVry	Davis HS	DeBakey HS	East Early College HS	Eastwood Academy	Empowerment College Prep HS	Energized HS SE	Energized HS SW	Furr HS	Houston Academy for Int'l Studies	Houston MST	HSLECJ	HSPVA	Jones HS	Jordan HS	Kashmere HS	Lamar HS	Lee HS	Long Academy	Madison HS
Art History	#>=3	46	0	11	18		2					6										*		2			
	#Exams	165	6	12	20		39					11										1		38			
	%>=3	27.9	0	91.7	90		5.1					54.5										*		5.3			
Art: Studio Art-2-D Design Portfolio	#>=3	22		*	5														1		*						
	#Exams	28		4	5														6		1						
	%>=3	78.6		*	100														16.7		*						
Art: Studio Art-3-D Design Portfolio	#>=3	3																									
	#Exams	5																									
	%>=3	60																									
Art: Studio Art-Drawing Portfolio	#>=3	20	0	*	*							2						3							1		
	#Exams	66	8	2	1							6						8							9		
	%>=3	30.3	0	*	*							33.3						37.5							11.1		
Biology	#>=3	337	1	101	30				1	114	3			0		0	3	10	1	10		*			2		0
	#Exams	634	6	113	42				15	124	19			23		18	19	24	9	11		1			16		6
	%>=3	53.2	16.7	89.4	71.4				6.7	91.9	15.8			0		0	15.8	41.7	11.1	90.9		*			12.5		0
Calculus AB	#>=3	333	5	79	12		1		1	151	2	1		0	0	0	4	0	1	18		0	0	4	0	0	0
	#Exams	806	9	84	20		20		29	166	6	16		22	20	6	25	25	9	26		6	8	72	5		9
	%>=3	41.3	55.6	94	60		5		3.4	91	33.3	6.3		0	0	0	16	0	11.1	69.2		0	0	5.6	0		0
Calculus BC	#>=3	202		89	12	*				44		2												6			
	#Exams	242		92	16	1				45		10												11			
	%>=3	83.5		96.7	75	*				97.8		20												54.5			
Chemistry	#>=3	139	0	46	22					48	1	5		0	0	0	0								0		0
	#Exams	422	23	53	28					48	11	36		10	43	40	15								8		6
	%>=3	32.9	0	86.8	78.6					100	9.1	13.9		0	0	0	0								0		0
Chinese Language & Culture	#>=3	40		30						*																	
	#Exams	44		31						4																	
	%>=3	90.9		96.8						*																	
Computer Science A	#>=3	85		56	9				0	15		3															
	#Exams	173		90	10				11	16		6															
	%>=3	49.1		62.2	90				0	93.8		50															
Computer Science AB	#>=3																										
	#Exams																										
	%>=3																										
Economics: Macroeconomics	#>=3	402	0	222	11		0		0	64								7	0	52	0	0	0		0		0
	#Exams	1360	35	255	14		23		48	71								43	81	89	14	7	18		108		32
	%>=3	29.6	0	87.1	78.6		0		0	90.1								16.3	0	58.4	0	0	0		0		0
Economics: Microeconomics	#>=3	89	*	42	46									0													
	#Exams	200	1	47	107									23													
	%>=3	44.5	*	89.4	43									0													
English Language & Composition	#>=3	753	6	165	72	20	41		5	69		14	*	0		0	1	5	7	86	0	0	0	117	3		0
	#Exams	2914	31	207	107	35	197		103	75		51	2	10		54	24	129	100	105	18	71	14	424	65		78
	%>=3	25.8	19.4	79.7	67.3	57.1	20.8		4.9	92		27.5	*	0		0	4.2	3.9	7	81.9	0	0	0	27.6	4.6		0

Data from College Board datafile (August 29, 2013) \*Masked for #Exams <5

**Appendix E: Advanced Placement (AP) Report for 2012-13**  
**AP Exam Results of High School Students (9th thru 12th Grades and Grade Level Not Indicated) by Exam and by Campus**  
**Number of Exams Scored 3 or Higher Versus Number of Exams Taken**

		Houston ISD	Milby HS	Mount Carmel Academy	North Houston Early College HS	Reagan HS	Scarborough HS	Sharpstown HS	Sharpstown International HS	Sterling HS	Wairip HS	Washington HS	Westbury HS	Westside HS	Wheatley HS	Worthing HS	Yates HS	Young Women's College Prep
Art History	#>=3	46				*	1					0		5				
	#Exams	165				3	16					10		9				
	%>=3	27.9				*	6.3					0		55.6				
Art: Studio Art-2-D Design Portfolio	#>=3	22					*							10				
	#Exams	28					2							10				
	%>=3	78.6					*							100				
Art: Studio Art-3-D Design Portfolio	#>=3	3				*								*				
	#Exams	5				1								4				
	%>=3	60				*								*				
Art: Studio Art-Drawing Portfolio	#>=3	20				3			1				*	7				
	#Exams	66				5			14				2	11				
	%>=3	30.3				60			7.1				*	63.6				
Biology	#>=3	337	0		0	5	0	6	1		3	1	0	45			0	
	#Exams	634	8		9	19	9	19	17		11	17	13	54			12	
	%>=3	53.2	0		0	26.3	0	31.6	5.9		27.3	5.9	0	83.3			0	
Calculus AB	#>=3	333	7	*	3	1	0	5	9	0	12	0	1	15	*	1	*	
	#Exams	806	11	2	13	25	5	42	26	5	23	11	13	34	3	8	2	
	%>=3	41.3	63.6	*	23.1	4	0	11.9	34.6	0	52.2	0	7.7	44.1	*	12.5	*	
Calculus BC	#>=3	202				4								44				
	#Exams	242				9								58				
	%>=3	83.5				44.4								75.9				
Chemistry	#>=3	139	0			1	*	0	1	0	1	*		14			*	
	#Exams	422	8			20	1	10	8	12	19	1		20			2	
	%>=3	32.9	0			5	*	0	12.5	0	5.3	*		70			*	
Chinese Language & Culture	#>=3	40							*					5				
	#Exams	44							2					7				
	%>=3	90.9							*					71.4				
Computer Science A	#>=3	85				0								2				
	#Exams	173				35								5				
	%>=3	49.1				0								40				
Computer Science AB	#>=3																	
	#Exams																	
	%>=3																	
Economics: Macroeconomics	#>=3	402	3			1	0	0	6	0	6	2	10	18				
	#Exams	1360	52			48	8	67	16	26	38	33	95	139				
	%>=3	29.6	5.8			2.1	0	0	37.5	0	15.8	6.1	10.5	12.9				
Economics: Microeconomics	#>=3	89									0			*				
	#Exams	200									20			2				
	%>=3	44.5									0			*				
English Language & Composition	#>=3	753	6	4	7	14	*	1	1	0	15	0	7	84	0	2	1	
	#Exams	2914	69	21	48	145	2	55	27	16	127	37	125	233	40	24	45	
	%>=3	25.8	8.7	19	14.6	9.7	*	1.8	3.7	0	11.8	0	5.6	36.1	0	8.3	2.2	

Data from College Board datafile (August 29, 2013) \*Masked for #Exams <5



**Appendix E: Advanced Placement (AP) Report for 2012-13**  
**AP Exam Results of High School Students (9th thru 12th Grades and Grade Level Not Indicated) by Exam and by Campus**  
**Number of Exams Scored 3 or Higher Versus Number of Exams Taken**

		Houston ISD	Austin HS	Bellaire HS	Carnegie HS	Challenge HS	Chavez HS	CLC/DeVry	Davis HS	DeBakey HS	East Early College HS	Eastwood Academy	Empowerment College Prep HS	Energized HS SE	Energized HS SW	Furr HS	Houston Academy for Intl Studies	Houston MST	HSLECU	HSPVA	Jones HS	Jordan HS	Kashmere HS	Lamar HS	Lee HS	Long Academy	Madison HS
English Literature & Composition	#>=3	516	1	167	82	24	9		2	52		12		1		1	0	6	4	43		1	0		0		3
	#Exams	1759	11	189	108	42	44		83	54		27		23		54	28	88	73	53		50	18		95		62
	%>=3	29.3	9.1	88.4	75.9	57.1	20.5		2.4	96.3		44.4		4.3		1.9	0	6.8	5.5	81.1		2	0		0		4.8
Environmental Science	#>=3	120	0	47	23	3					1	3				0		5	0				*				*
	#Exams	495	6	83	42	20					30	23				11		101	44				3				4
	%>=3	24.2	0	56.6	54.8	15					3.3	13				0		5	0				*				*
European History	#>=3	58	*	19	11				2			3							2								
	#Exams	120	4	21	11				11			12							26								
	%>=3	48.3	*	90.5	100				18.2			25							7.7								
French Language & Culture	#>=3	31		16	*				*	*										*							
	#Exams	36		16	4				1	1										3							
	%>=3	86.1		100	*				*	*										*							
French Literature	#>=3																										
	#Exams																										
	%>=3																										
German Language & Culture	#>=3	16		12																*							
	#Exams	20		15																2							
	%>=3	80		80																*							
Government & Politics: Comparative	#>=3	14		*	5																						
	#Exams	38		1	6																						
	%>=3	36.8		*	83.3																						
Government & Politics: United States	#>=3	434	0	199	42		0		1	56		*		0		0		0	0	38	0	0	0	17	2		1
	#Exams	1939	32	238	108		39		42	74		1		22		35		180	84	87	20	7	17	181	111		75
	%>=3	22.4	0	83.6	38.9		0		2.4	75.7		*		0		0		0	0	43.7	0	0	0	9.4	1.8		1.3
Human Geography	#>=3	282		20	136	7						23										*		73			1
	#Exams	1160		27	200	125						43										2		460			31
	%>=3	24.3		74.1	68	5.6						53.5										*		15.9			3.2
Italian Language & Culture	#>=3	19		18	*																						
	#Exams	21		20	1																						
	%>=3	90.5		90	*																						
Japanese Language & Culture	#>=3	8		6						*										*							
	#Exams	10		7						1										1							
	%>=3	80		85.7						*										*							
Latin: Literature	#>=3																										
	#Exams																										
	%>=3																										
Latin: Vergil	#>=3	3		3	*																						
	#Exams	8		7	1																						
	%>=3	37.5		42.9	*																						
Music Theory	#>=3	40		4					0							0		0		34							0
	#Exams	105		6					9							9		9		34							10
	%>=3	38.1		66.7					0							0		0		100							0

Data from College Board datafile (August 29, 2013) \*Masked for #Exams <5

**Appendix E: Advanced Placement (AP) Report for 2012-13**  
**AP Exam Results of High School Students (9th thru 12th Grades and Grade Level Not Indicated) by Exam and by Campus**  
**Number of Exams Scored 3 or Higher Versus Number of Exams Taken**

		Houston ISD	Milby HS	Mount Carmel Academy	North Houston Early College HS	Reagan HS	Scarborough HS	Sharpstown HS	Sharpstown International HS	Sterling HS	Wairip HS	Washington HS	Westbury HS	Westside HS	Wheatley HS	Worthing HS	Yates HS	Young Women's College Prep
English Literature & Composition	#>=3	516	5	1	0	14	3	1	3	0	13	0	7	61	0	0	0	
	#Exams	1759	48	18	20	95	56	46	12	6	75	39	69	113	18	35	7	
	%>=3	29.3	10.4	5.6	0	14.7	5.4	2.2	25	0	17.3	0	10.1	54	0	0	0	
Environmental Science	#>=3	120	*				3		0	0			3	32	*		0	
	#Exams	495	1				13		5	12			30	56	3		8	
	%>=3	24.2	*				23.1		0	0			10	57.1	*		0	
European History	#>=3	58				5	0							15				
	#Exams	120				12	5							18				
	%>=3	48.3				41.7	0							83.3				
French Language & Culture	#>=3	31									*			6				
	#Exams	36									1			10				
	%>=3	86.1									*			60				
French Literature	#>=3																	
	#Exams																	
	%>=3																	
German Language & Culture	#>=3	16				*								*				
	#Exams	20				1								2				
	%>=3	80				*								*				
Government & Politics: Comparative	#>=3	14							1					8				
	#Exams	38							6					25				
	%>=3	36.8							16.7					32				
Government & Politics: United States	#>=3	434	2	3		5	1	2	5	0	4	0	3	51	0		1	
	#Exams	1939	55	38		54	11	66	16	25	23	35	88	156	6		13	
	%>=3	22.4	3.6	7.9		9.3	9.1	3	31.3	0	17.4	0	3.4	32.7	0		7.7	
Human Geography	#>=3	282	2			1	0	0	12				4		0			2
	#Exams	1160	13			64	43	22	31				25		21			53
	%>=3	24.3	15.4			1.6	0	0	38.7				16		0			3.8
Italian Language & Culture	#>=3	19																
	#Exams	21																
	%>=3	90.5																
Japanese Language & Culture	#>=3	8												*				
	#Exams	10												1				
	%>=3	80												*				
Latin: Literature	#>=3																	
	#Exams																	
	%>=3																	
Latin: Vergil	#>=3	3																
	#Exams	8																
	%>=3	37.5																
Music Theory	#>=3	40							0					2		0		
	#Exams	105							12					7		9		
	%>=3	38.1							0					28.6		0		

Data from College Board datafile (August 29, 2013) \*Masked for #Exams <5

**Appendix E: Advanced Placement (AP) Report for 2012-13**  
**AP Exam Results of High School Students (9th thru 12th Grades and Grade Level Not Indicated) by Exam and by Campus**  
**Number of Exams Scored 3 or Higher Versus Number of Exams Taken**

		Houston ISD	Austin HS	Bellaire HS	Carnegie HS	Challenge HS	Chavez HS	CLC/DeVry	Davis HS	DeBakey HS	East Early College HS	Eastwood Academy	Empowerment College Prep HS	Energized HS SE	Energized HS SW	Furr HS	Houston Academy for Intl Studies	Houston MST	HSLECJ	HSPVA	Jones HS	Jordan HS	Kashmere HS	Lamar HS	Lee HS	Long Academy	Madison HS
Physics B	#>=3	167	1	47			0		0	48		6		0	0	0	*	0	0	21		0			0		
	#Exams	504	16	53			17		19	56		16		16	19	7	1	8	34	26		17			17		
	%>=3	33.1	6.3	88.7			0		0	85.7		37.5		0	0	0	*	0	0	80.8		0			0		
Physics C: Electricity & Magnetism	#>=3	29		3	14					*																	
	#Exams	48		8	20					1																	
	%>=3	60.4		37.5	70					*																	
Physics C: Mechanics	#>=3	54		21	16					*												*					
	#Exams	97		30	20					1												1					
	%>=3	55.7		70	80					*												*					
Psychology	#>=3	197		141						24		11	0			0		0	0	*		*	*		3		
	#Exams	371		174						26		16	8			7		30	5	4		2	3		19		
	%>=3	53.1		81						92.3		68.8	0			0		0	0	*		*	*		15.8		
Spanish Language	#>=3	1352	62	54	22	50	201		59	36	63	52	*	2	8	2	44	87	33	13	3	8	*		14	*	
	#Exams	2304	112	76	31	66	294		78	36	116	64	3	23	104	17	79	133	35	17	43	11	1		16	3	
	%>=3	58.7	55.4	71.1	71	75.8	68.4		75.6	100	54.3	81.3	*	8.7	7.7	11.8	55.7	65.4	94.3	76.5	7	72.7	*		87.5	*	
Spanish Literature & Culture	#>=3	184	17	20	7		36		15			16							8			5			4	6	
	#Exams	230	21	23	7		37		15			18							8			9			5	10	
	%>=3	80	81	87	100		97.3		100			88.9							100			55.6			80	60	
Statistics	#>=3	292	1	106	47	8			0	60	9	2	0				0	0	0	*		0			1		
	#Exams	743	12	124	86	41			11	61	39	17	6				14	30	28	1		93			6		
	%>=3	39.3	8.3	85.5	54.7	19.5			0	98.4	23.1	11.8	0				0	0	0	*		0			16.7		
United States History	#>=3	580	4	191	60	18	22		5	63		21		0	0	0		1	8	68	0	0	0	7	5	0	
	#Exams	2331	25	235	107	107	179		53	64		44		10	40	64		78	91	106	23	36	10	9	58	90	
	%>=3	24.9	16	81.3	56.1	16.8	12.3		9.4	98.4		47.7		0	0	0		1.3	8.8	64.2	0	0	0	77.8	8.6	0	
World History	#>=3	657	0	150	116	43	36	*	6	68	2	21	0	0		0	10	3	5	57	*	1	1	50	0	0	
	#Exams	3295	46	224	151	120	252	1	92	79	58	48	30	10		51	106	136	104	75	1	41	23	536	48	49	
	%>=3	19.9	0	67	76.8	35.8	14.3	*	6.5	86.1	3.4	43.8	0	0		0	9.4	2.2	4.8	76	*	2.4	4.3	9.3	0	0	
Total #>=3		7524	99	2091	824	174	348	*	97	919	81	204	1	3	8	3	63	127	70	450	4	16	1	276	35	*	
Total #Exams		22693	404	2567	1273	557	1141	1	620	1003	279	465	49	192	226	373	311	1022	737	640	120	355	115	1731	586	3	
Total %>=3		33.2	24.5	81.5	64.7	31.2	30.5	*	15.6	91.6	29	43.9	2	1.6	3.5	0.8	20.3	12.4	9.5	70.3	3.3	4.5	0.9	15.9	6	8.6	

**Appendix E: Advanced Placement (AP) Report for 2012-13**  
**AP Exam Results of High School Students (9th thru 12th Grades and Grade Level Not Indicated) by Exam and by Campus**  
**Number of Exams Scored 3 or Higher Versus Number of Exams Taken**

		Houston ISD	Milby HS	Mount Carmel Academy	North Houston Early College HS	Reagan HS	Scarborough HS	Sharpstown HS	Sharpstown International HS	Sterling HS	Wairip HS	Washington HS	Westbury HS	Westside HS	Wheatley HS	Worthing HS	Yates HS	Young Women's College Prep
Physics B	#>=3	167	1			5	0	5			2	*		28				
	#Exams	504	6			97	14	21			12	2		30				
	%>=3	33.1	16.7			5.2	0	23.8			16.7	*		93.3				
Physics C: Electricity & Magnetism	#>=3	29												11				
	#Exams	48												19				
	%>=3	60.4												57.9				
Physics C: Mechanics	#>=3	54				2							0	15				
	#Exams	97				16							8	21				
	%>=3	55.7				12.5							0	71.4				
Psychology	#>=3	197	*			1	*			0	*			0	11			
	#Exams	371	1			28	1			11	2		11	23				
	%>=3	53.1	*			3.6	*			0	*		0	47.8				
Spanish Language	#>=3	1352	109		17	52	10	75	26	6	44	5	59	91		6	3	
	#Exams	2304	180		21	68	29	136	34	19	61	7	128	146		38	16	
	%>=3	58.7	60.6		81	76.5	34.5	55.1	76.5	31.6	72.1	71.4	46.1	62.3		15.8	18.8	
Spanish Literature & Culture	#>=3	184	12			11		5					8	14				
	#Exams	230	16			21		13					13	14				
	%>=3	80	75			52.4		38.5					61.5	100				
Statistics	#>=3	292	3	0	3	2		11	2		16	*	0	20				
	#Exams	743	6	13	14	12		29	10		39	3	27	21				
	%>=3	39.3	50	0	21.4	16.7		37.9	20		41	*	0	95.2				
United States History	#>=3	580	6	2	3	10	0	1	3	0	9	1	0	70	0	2	0	
	#Exams	2331	30	21	60	99	25	42	29	16	98	39	125	235	37	16	30	
	%>=3	24.9	20	9.5	5	10.1	0	2.4	10.3	0	9.2	2.6	0	29.8	0	12.5	0	
World History	#>=3	657	7			1	0	0	2	0	3	0	0	69	0	1	0	3
	#Exams	3295	45			158	49	48	28	9	87	47	185	224	24	19	35	56
	%>=3	19.9	15.6			0.6	0	0	7.1	0	3.4	0	0	30.8	0	5.3	0	5.4
Total #>=3		7524	164	10	33	139	21	112	74	6	129	11	102	760	0	12	5	5
Total #Exams		22693	549	113	185	1035	289	616	281	169	636	281	957	1707	152	149	170	109
Total %>=3		33.2	29.9	8.8	17.8	13.4	7.3	18.2	26.3	3.6	20.3	3.9	10.7	44.5	0	8.1	2.9	4.6

**Appendix F: 2013 AP Course and Exam Data by Campus\*\*, Grades 10–12 (Duplicated Count)**

School	Grade 10-12 Enroll.	AP Courses Offered	AP Course Enroll.	N Comp. AP Course	% Comp. AP Course (of AP Enroll.)	N Exams Taken	N Exams Score 3+	Rate of Exams Taken (by AP Comp.)	Rate of Exams 3+ (of AP Comp.)
Austin	1,188	17	306	267	87.3	404	99	151.3	37.1
Bellaire	2,297	21	2,168	2,130	98.2	2,567	2,091	120.5	98.2
Carnegie	366	25	1,274	1,231	96.6	1,273	824	103.4	66.9
Challenge	330	6	449	426	94.9	557	174	130.8	40.8
Chavez	1,869	11	888	749	84.3	1,141	348	152.3	46.5
Davis	1,070	15	512	465	90.8	620	97	133.3	20.9
DeBakey	601	15	986	976	99.0	1,003	919	102.8	94.2
East Early Coll.	329	6	154	146	94.8	279	81	191.1	55.5
Eastwood	299	18	451	431	95.6	465	204	107.9	47.3
Empowerment	69	4	44	33	75.0	49	1	148.5	3.0
E-STEM SE	43	11	191	182	95.3	192	3	105.5	1.6
E-STEM SW	119	2	137	106	77.4	226	8	213.2	7.5
Furr	585	13	358	335	93.6	373	3	111.3	0.9
Hou. Acad. Int'l	296	8	229	199	86.9	311	63	156.3	31.7
Houston MSTC	1,673	14	976	901	92.3	1,022	127	113.4	14.1
HSLECJ	363	14	724	644	89.0	737	70	114.4	10.9
HSPVA	496	11	618	616	99.7	640	450	103.9	73.1
Jones	295	5	81	77	95.1	120	4	155.8	5.2
Jordan	674	13	327	307	93.9	355	16	115.6	5.2
Kashmere	327	9	106	104	98.1	115	1	110.6	1.0
Lamar	2,439	4	1,243	1,131	91.0	1,731	276	153.1	24.4
Lee	956	15	568	557	98.1	586	35	105.2	6.3
Long Academy	*	*	*	*	*	*	*	*	*
Madison	1,332	14	497	438	88.1	525	45	119.9	10.3
Milby	1,361	15	394	370	93.9	549	164	148.4	44.3
Mt. Carmel	241	6	107	105	98.1	113	10	107.6	9.5
N. Houston Early	270	7	140	117	83.6	185	33	158.1	28.2
Reagan	1,432	20	1,003	951	94.8	1,035	139	108.8	14.6
Scarborough	399	13	243	211	86.8	289	21	137.0	10.0
Sharpstown	851	14	570	529	92.8	616	112	116.4	21.2
Sharpstown Int'l	309	15	277	259	93.5	281	74	108.5	28.6
Sterling	611	11	159	139	87.4	169	6	121.6	4.3
Waltrip	1,100	14	599	519	86.6	636	129	122.5	24.9
Washington	497	13	272	212	77.9	281	11	132.5	5.2
Westbury	1,417	16	942	848	90.0	957	102	112.9	12.0
Westside	1,922	26	1,525	1,483	97.2	1,707	760	115.1	51.2
Wheatley	587	8	142	128	90.1	152	0	118.8	0.0
Worthing	449	6	96	82	85.4	149	12	181.7	14.6
Yates	619	10	149	138	92.6	170	5	123.2	3.6
YWCPA	60	0	107	77	72.0	109	5	141.6	6.5
<b>HISD</b>	<b>31,896</b>	<b>31</b>	<b>20,014</b>	<b>18,621</b>	<b>93.0</b>	<b>22,693</b>	<b>7,524</b>	<b>121.9</b>	<b>40.4</b>

\* Fewer than 5 students.

\*\* Bellaire and Lamar high schools offer the International Baccalaureate (IB) Program in addition to Advanced Placement.

**Appendix G: AP Scholar Awards\* (2012 and 2013)**

Campus	2012					2013				
	Scholar	Honor	Distinction	National	Total	Scholar	Honor	Distinction	National	Total
Austin	2	0	0	0	2	2	0	0	0	2
Bellaire	162	73	197	69	501	132	59	224	81	496
Carnegie	70	24	45	9	148	80	32	57	16	185
Challenge	10	2	0	0	12	33	7	4	0	44
Chavez	10	0	0	0	10	16	3	1	0	20
Davis	6	0	1	1	8	9	0	0	0	9
DeBakey	48	41	84	24	197	54	34	96	31	215
East Early Coll.	5	1	0	0	6	2	0	0	0	2
Eastwood	19	3	5	0	27	35	5	5	0	45
Furr	1	0	0	0	1	0	0	0	0	0
Hou. Acad. Int'l	0	0	1	0	1	1	1	0	0	2
Houston MSTC	4	0	1	0	5	6	0	0	0	6
HSLECJ	4	0	0	0	4	10	0	0	0	10
HSPVA	35	7	10	2	54	60	16	22	5	103
Jordan	0	1	1	0	2	1	0	0	0	1
Lamar	5	0	0	0	5	39	7	1	0	47
Lee	3	0	0	0	3	3	0	0	0	3
Madison	2	0	0	0	2	3	0	0	0	3
Milby	16	0	1	0	17	15	1	2	1	19
Mt. Carmel	0	0	1	0	1	3	0	0	0	3
N. Houston Early	3	2	0	0	5	3	1	1	0	5
Reagan	11	2	0	0	13	15	3	3	1	22
Scarborough	1	0	0	0	1	2	0	0	0	2
Sharpstown	1	0	0	0	1	6	0	0	0	6
Sharpstown Int'l	2	1	0	0	3	4	0	1	0	5
Waltrip	8	1	1	0	10	18	0	1	0	19
Washington	4	0	0	0	4	0	0	0	0	0
Westbury	12	1	1	0	14	12	0	1	1	14
Westside	110	17	34	8	169	120	26	34	10	190
Worthing	0	0	0	0	0	1	0	0	0	1
YWCPA	0	0	0	0	0	1	0	0	0	1
<b>HISD</b>	<b>555</b>	<b>176</b>	<b>383</b>	<b>113</b>	<b>1,227</b>	<b>686</b>	<b>195</b>	<b>453</b>	<b>146</b>	<b>1,480</b>

\* See Appendix A-2 for AP awards criteria.