

MEMORANDUM

November 10, 2015

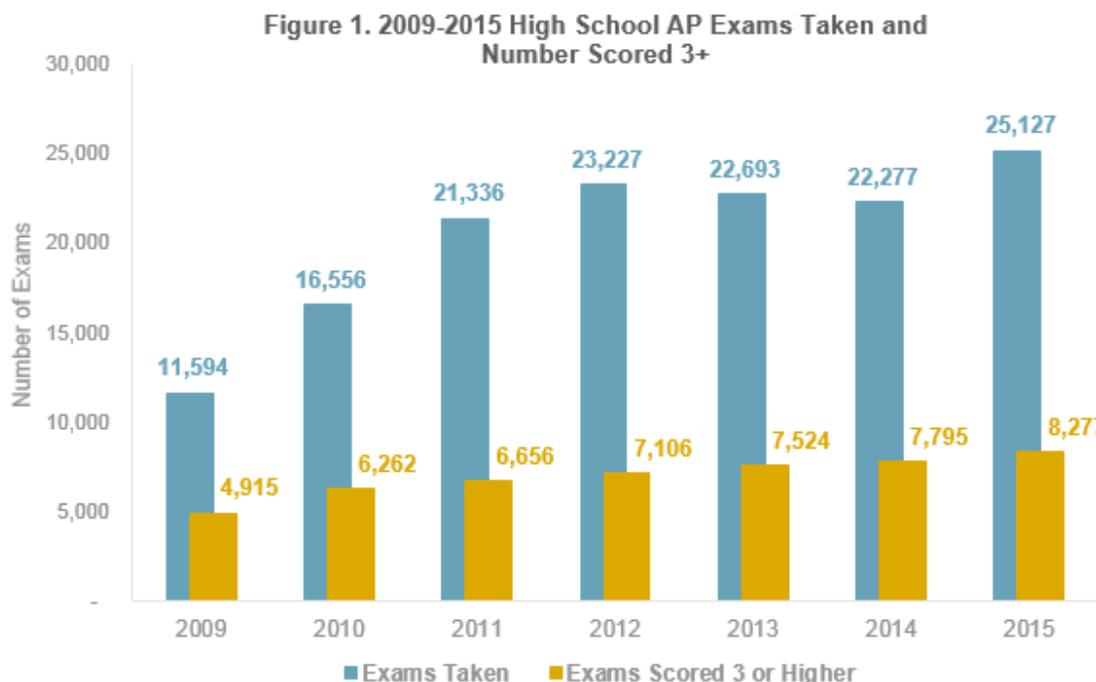
TO: Board Members
FROM: Terry B. Grier, Ed. D.
Superintendent of Schools

SUBJECT: 2015 ADVANCED PLACEMENT (AP) RESULTS

The results from the Advanced Placement (AP) examinations have been released by the College Board. The Advanced Placement Program provides high school students with the opportunity to take college-level courses and earn college credit. There are a total of 36 AP exams offered in 7 subject categories. HISD schools administered all 36 AP exams in 2015. 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.

The number of HISD students participating in AP exams at the high school level in 2015 was 13,929, an increase of 1,092 students from the 12,837 students who took AP exams in 2014. The total number of exams taken by HISD high school students in 2015 was 25,127, a thirteen percent **increase** (or 2,850 exams) from 22,277 exams in 2014. The percentage of exams scored at a 3 or higher in 2015 slightly **decreased** to 33 percent from 35 percent in 2014.

Figure 1 presents the seven-year trend for the number of AP exams taken by HISD students and the number scored 3 or higher.



Source: 2015 College Board AP datafile; retrieved August 14, 2015; HISD Research and Accountability Department, Advanced Placement Report 2013–2014.

Notes: This graph displays a duplicated count of exams taken by students enrolled in grades 9-12.

Administrative Response

The Innovative Curriculum Department will implement the following actions to support campuses and increase equity of and access to Advanced Placement programming:

- 1) Build upon previous district-level supports for Advanced Placement teacher development and student achievement in AP English Language and Composition, AP English Literature and Composition, AP Calculus AB, AP Biology, AP United States Government and Politics, AP Macroeconomics, AP World History, and AP United States History.
- 2) Partner with the National Math and Science Initiative (NMSI) to provide comprehensive mentoring opportunities and campus-based supports at targeted campuses for NMSI-supported subjects.
- 3) Provide all AP and Pre-AP teachers with access to a College Board approved AP or Pre-AP Summer Institute for targeted courses.
- 4) Develop district-level curricular resources and AP Professional Learning Communities for additional courses, including AP Statistics, AP Human Geography, and AP Capstone.
- 5) Partner with College Board to align trainings and individual professional development offerings to support teacher development in AP Courses including access to an AP United States History online mentoring program and the opportunity to pilot AP Insight, a digital-based formative assessment and student coaching tool.
- 6) Promote opportunities for all AP teachers to become AP Readers (College Board AP examination scorers).
- 7) Develop district-wide digital spaces for AP teacher exchange of resources and discussion.
- 8) Partner with Rice University to pilot and evaluate Massive Open Online Courses (MOOCs) for specific AP courses.
- 9) Collaborate with Schools Offices to provide opportunities for campus-specific differentiated supports and to offer recommendations for grading alignment with AP performance expectations.

Should you have further questions, please contact my office or Carla Stevens in the Department of Research and Accountability at 713-556-6700.


_____ TBG

Attachments

cc: Superintendent's Direct Reports
Chief School Officers
School Support Officers
Lance Menster
Annie Wolfe

Sowyma Kumar
Gracie Guerrero
Rick Cruz



RESEARCH

Educational Program Report

ADVANCED PLACEMENT (AP) REPORT 2014 - 2015

DEPARTMENT OF RESEARCH AND ACCOUNTABILITY
HOUSTON INDEPENDENT SCHOOL DISTRICT



2015 BOARD OF EDUCATION

Rhonda Skillern-Jones

PRESIDENT

Manuel Rodriguez, Jr.

FIRST VICE PRESIDENT

Wanda Adams

SECOND VICE PRESIDENT

Paula Harris

SECRETARY

Juliet Stipeche

ASSISTANT SECRETARY

Anna Eastman

Michael L. Lunceford

Greg Meyers

Harvin C. Moore

Terry B. Grier, Ed.D.

SUPERINTENDENT OF SCHOOLS

Carla Stevens

ASSISTANT SUPERINTENDENT

DEPARTMENT OF RESEARCH AND ACCOUNTABILITY

Nadia Valliani

RESEARCH SPECIALIST

Dee Carney

RESEARCH MANAGER

Houston Independent School District

Hattie Mae White Educational Support Center

4400 West 18th Street

Houston, Texas 77092-8501

www.houstonisd.org

It is the policy of the Houston Independent School District not to discriminate on the basis of age, color, handicap or disability, ancestry, national origin, marital status, race, religion, sex, veteran status, or political affiliation in its educational or employment programs and activities.

ADVANCED PLACEMENT 2014–2015

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. Significantly more HISD students are taking and completing AP courses, taking and passing AP Exams, and earning AP Awards now than before 2009.

Highlights of AP in 2014–2015

- The number of high school students taking at least one AP Exam **increased** by 9 percent to 13,929 in 2014–15 from 12,837 in 2013–14.
- The number of AP Exams taken by high school students **increased** by 13 percent to 25,127 in 2014–15 from 22,277 in 2013–14.
- The number of AP Exams scored 3 or higher **increased** by 6 percent to 8,277 in 2014–15 from 7,795 in 2013–14; however the proportion of exams scored 3 or higher **decreased** to 33 percent in 2014–15 from 35 percent in 2013–14.
- History and Social Sciences represented the largest category among the seven AP categories with 48 percent of all AP Exams taken by high school students, followed by 20 percent in English.
- Enrollment in AP courses **increased** to 37 percent in 2014–15 from 34 percent in 2013–14 for students enrolled in grades 10–12.
- The number of AP Awards presented to HISD students **increased** by 133 to 1,650 in 2014–15 reflecting a 9 percent increase compared to 2013–14.
- Eighteen campuses earned more AP Awards in 2014–15 than in 2013–14 including three campuses that increased the number of AP Awards earned by double-digits.

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 36 examinations in Arts, AP Capstone (new for 2014–15), English, History and Social Science, Math and Computer Science, Sciences, and World Languages and Cultures are administered in May at participating schools (for a complete list of examinations in each category, see **Appendix A**). As reported by the College Board, 90 percent of colleges and universities grant credit, placement, or both to students receiving a qualifying score (i.e. 3 or higher on a scale of 1 to 5) on an AP Exam.¹

Studies show that students who take AP courses and exams are more likely to succeed in college.² Families may also experience tangential financial benefits if students receive advanced placement, college credit, or both. Other benefits afforded to students include opportunities that lead to scholarships or recognition. 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 G-1**). 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.

For the 2014–2015 school year, all courses labeled as “AP” by HISD were authorized through the College Board AP Course Audit process. This audit process ensures that courses meet “AP” requirements and that colleges and universities have a venue to review authorized courses offered by secondary schools.³

Administration

The AP Exams are administered each year in May over a two-week period. Once testing has completed, all AP Exams are returned to the Educational Testing Service (ETS) and scores are reported to the College Board. Students who take AP Exams are not required to be enrolled in an AP course.

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.

¹ College Board. (2006). *Frequently Asked Questions about the AP Program*. Retrieved from http://www.collegeboard.com/prod_downloads/prof/advance-placement-qa.pdf.

² College Board. (2014). *The 10th Annual AP Report to the Nation*.

³ College Board – For Professionals. *Offering AP*. Retrieved from <http://professionals.collegeboard.com/k-12/assessment/ap/offer>.

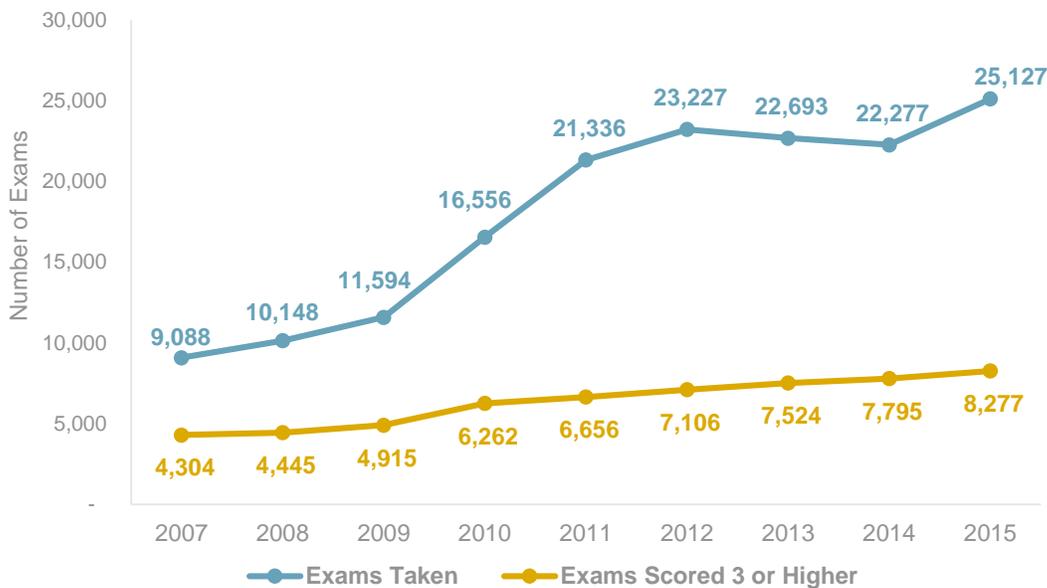
The multiple-choice section is scored by computer. Each answer sheet is scanned and the total number of correct responses equals the multiple-choice score. The free-response section (essays and open-ended questions) is scored at the annual AP Reading held during the first two weeks in June. Specially 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 score of 3 this year reflects the same level of achievement as a score of 3 last year.

Results

Exam Participation and Performance

The total number of exams taken by HISD high school students **increased** by 13 percent (or 2,850 exams) to 25,127 in 2014–15 from 22,277 in 2013–14. The number of AP Exams taken at district high schools and the number and percent scored 3 or higher are shown in **Figure 1**.

Figure 1: AP Exam Participation and Performance, 9th - 12th grade, 2006–07 to 2014–15



2014–15 Source: 2015 College Board AP datafile; retrieved August 14, 2015.

2006–07 to 2013–14 Source: HISD. Research and Accountability Department. Advanced Placement Report 2013–2014.

Notes: This graph displays a duplicated count of exams taken by students enrolled in grades 9-12 and by students with grade level not indicated (for three students).

Figure 1 indicates the following:

- The number of AP Exams taken by high school students **increased** by 176 percent to 25,127 in 2014–15 from 9,088 in 2006–07.
- The number of AP Exams scored 3 or higher in 2014–15 (8,277) is **almost double** the number scored 3 or higher in 2006–07 (4,304).

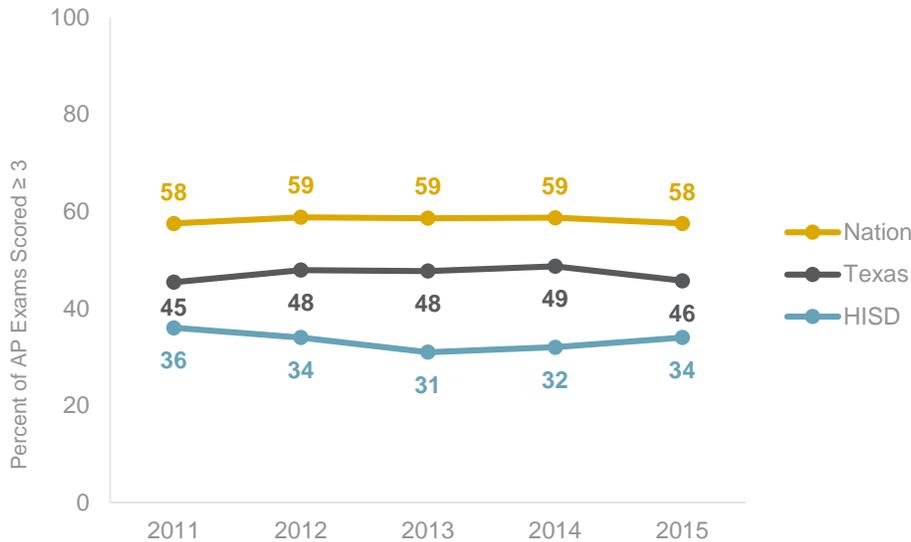
Comparison with State and Nation

The College Board provides AP data for the state of Texas and the nation. Between 2007 and 2015, the number of AP Exams taken by all students in Texas and the United States increased by 106 percent and 75 percent, respectively.⁴ As mentioned above, HISD experienced a sharper increase in the number of AP Exams taken by high school students (when exams taken by all students is counted, there was a 179 percent increase).⁵

Figure 2a below presents the proportion of all AP Exams scored 3 or higher for HISD, Texas, and the Nation from 2010–11 through 2014–15. **Figure 2a** indicates the following:

- In 2014–15, the proportion of AP Exams scored at 3 or higher in HISD is lower than that of Texas and the Nation by 13 and 25 percentage points, respectively.
- The proportion of AP Exams scored 3 or higher has stayed relatively flat for all three groups since 2010–11.

**Figure 2a: AP Exam Performance (HISD, Texas, Nation),
8th – 12th grade, 2010–11 to 2014–15**



Texas and Nation Source: College Board AP Program Research “School Report of AP Exams 2010–11 through 2014–15 (By State).” Retrieved from <http://research.collegeboard.org/programs/ap/data>.

HISD 2014–15 source: 2015 College Board AP datafile; retrieved August 14, 2015.

HISD 2010–11 to 2013–14 Source: HISD Research and Accountability Department. Advanced Placement Report 2013–2014, 2012–2013, 2011–2012, 2010–2011.

Notes: Figures for Nation include data for all 50 states and the District of Columbia.

While the *proportion* of exams scored 3 or higher in any given year is lower for HISD than it is for Texas and the nation, HISD has dramatically increased the *number* of exams scored 3 or higher. For example, between 2007 and 2015, the number of exams scored 3 or higher **increased** by 101 percent at HISD compared to increases of 98 percent in Texas and 71 percent in the U.S.⁶

⁴ Data provided to HISD from The College Board via email communication on October 29, 2015.

⁵ Ibid.

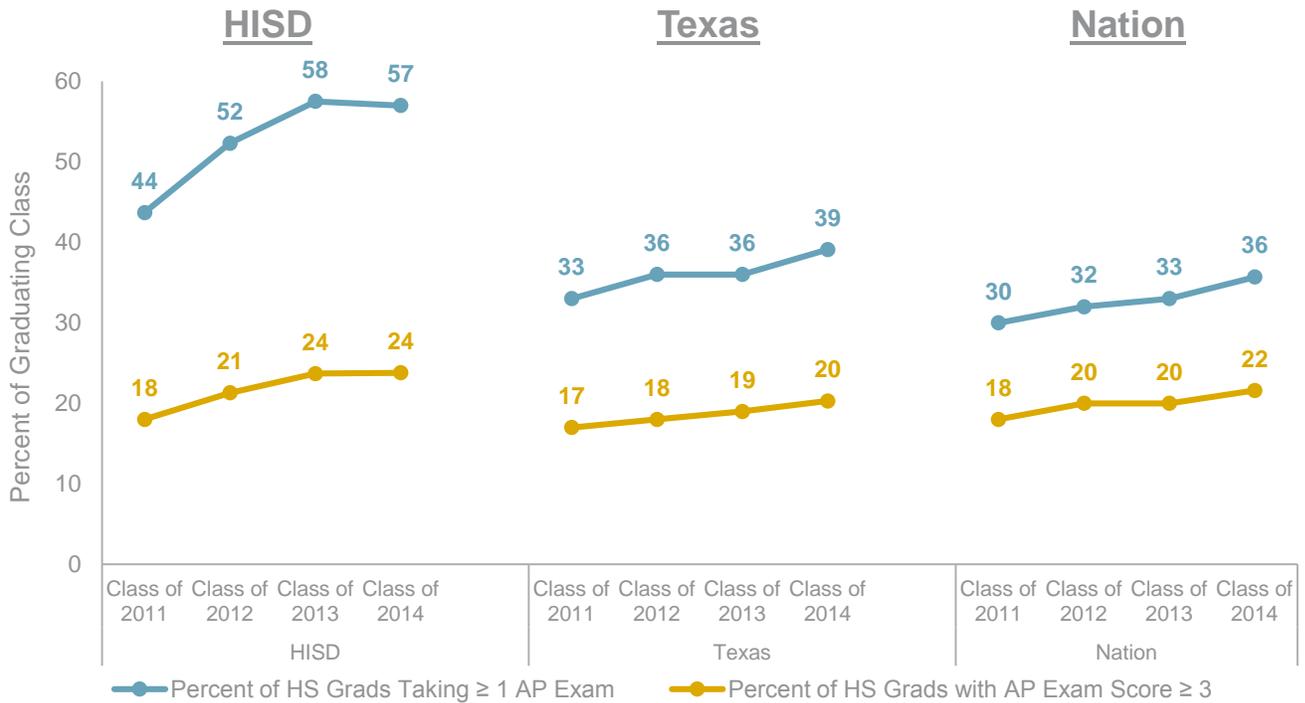
⁶ Ibid. Figures include exams taken by all students, including those in 8th grade.

Figure 2b below provides the proportion of students within each graduating class who has taken at least one AP Exam and passed at least one AP Exam within their high school career.

Figure 2b indicates the following:

- Among the Class of 2014, HISD graduates are **significantly more likely** to have taken an AP Exam (57 percent) and **more likely** to have passed an AP Exam (24 percent) compared to their counterparts in Texas (39 percent and 20 percent, respectively) and the nation overall (36 percent and 22 percent, respectively).
- Between 2011 and 2014, the proportion of HISD graduates who have taken at least one AP Exam has **increased** by 13 percentage points (from 44 percent to 57 percent) and the proportion of HSID students who have passed at least one AP Exam has **increased** by six percentage points (from 18 percent to 24 percent). These gains outpace those for both the state of Texas and the nation.

Figure 2b: AP Exam Participation and Performance of Graduating Class: Percent of High School Graduates Taking ≥ 1 AP Exam and Percent with AP Exam Score ≥ 3 (HISD, Texas, Nation), Classes of 2011–2014



Texas and Nation Sources: AP Report to the Nation, 8th, 9th, and 10th editions; Texas Education Agency “Number of Texas students taking Advanced Placement grows” press release dated April 17, 2015.

HISD source: College Board AP datafiles for 2007–08 through 2014–15; PEIMS graduate files for Classes of 2011 through 2014.

Notes: Figures for Nation include data for all 50 states and the District of Columbia.

By Exam Category

Figure 3 shows the number of AP Exams taken by HISD high school students by the seven AP Exam subject categories outlined in **Appendix A** and the percent of exams scored 3 or higher.

Figure 3: AP Exam Participation and Performance by Exam Category, 9th - 12th grade, 2014–15

AP Exam Category	AP Exams Taken, N	AP Exams Taken, % of Total	AP Scores ≥ 3, N	AP Scores ≥ 3, % of Exams Taken
History & Social Science	12,009	48%	2,955	25%
English	5,015	20%	1,272	25%
Sciences	3,537	14%	1,032	29%
World Languages & Culture	2,135	8%	1,734	81%
Math & Computer Science	1,935	8%	1,018	53%
Arts	368	1%	164	45%
AP Capstone	128	<1%	102	80%
HISD Totals	25,127	100%	8,277	33%

Source: 2015 College Board AP datafile; retrieved August 14, 2015.

Notes: This graph displays a duplicated count of exams taken by students enrolled in grades 9-12 and by students with grade level not indicated (for three students). Figures may not sum to 100 due to rounding.

Figure 3 indicates the following:

- AP Exams taken in the History & Social Science category represented the largest category (48 percent) followed by English (20 percent).
- Success rates ranged from 81 percent (World Languages & Cultures) to 25 percent (for both History & Social Science and English).
- While less than one percent of exams were in the newest AP category, AP Capstone, the success rates were among the highest (80 percent).

By Student Group

Both the number of HISD high school students who took AP Exams and the number of AP Exams taken by HISD high school students increased in 2014–15 compared to the year before. The number of high school students who took AP Exams **increased** by 9 percent to 13,929 in 2014–15 from 12,837 in 2013–14 (**Table 1**).

Presented in **Table 1** are the number of HISD students in grades 9 through 12 in 2014–15 who took an AP Exam, the number of exams taken, and the number of exams scored 3 or higher by race/ethnicity, gender, economic status, and English Language Learner (ELL) status. Figures for 2013–14 are also presented for comparison. The number of students tested reflects an *unduplicated* count of students who took an AP 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 Exam Participation and Performance by Student Group, 9th - 12th grade, 2013–14 and 2014–15

Student Group	Students Tested, N		AP Exams Taken, N		AP Scores ≥ 3, N		AP Scores ≥ 3, % of Exams	
	2013–14	2014–15	2013–14	2014–15	2013–14	2014–15	2013–14	2014–15
African American	2,400	2,758	3,671	4,360	488	627	13%	14%
American Indian	34	29	53	33	12	3	23%	9%
Asian	948	1,018	2,529	2,929	1,857	2,129	73%	73%
Hispanic	7,182	8,195	11,837	13,812	3,090	3,227	26%	23%
White	1,689	1,754	3,293	3,630	2,068	2,106	63%	58%
Other	320	175	543	363	202	185	37%	51%
Econ. Disadv.*	8,436	9,274	13,809	15,597	3,246	3,397	24%	22%
Non-Econ. Disadv.	4,274	4,637	8,364	9,509	4,516	4,872	54%	51%
ELL**	--	552	--	657	--	246	--	37%
Non-ELL	--	13,359	--	24,449	--	8,023	--	33%
Female	7,079	7,748	12,167	13,982	4,077	4,465	34%	32%
Male	5,758	6,181	10,110	11,145	3,718	3,812	37%	34%
HISD Totals	12,837	13,929	22,277	25,127	7,795	8,277	35%	33%

2014–15 Source: 2015 College Board AP electronic datafile; retrieved August 14, 2015.

2013–14 Source: HISD Research and Accountability Department. Advanced Placement Report 2013–2014.

Notes: This table displays an unduplicated count of students tested and a duplicated count of exams taken by students enrolled in grades 9-12 and by students with grade level not indicated (for three students). *Econ. Disadv. status could not be determined for 18 students. **ELL status could not be determined for 18 students.

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

- Almost six out of ten (59 percent) HISD high school students who took an AP Exam in 2014–15 were Hispanic. The number of Hispanic students who took AP Exams **increased** by 14 percent and the number of exams taken by Hispanic students **increased** by 17 percent compared to last year. While the overall number of exams scored 3 or higher taken by Hispanic students **increased**, the *proportion* of exams scored 3 or higher **decreased** slightly from the previous year (23 percent in 2014–15 compared to 26 percent in 2013–14), meaning that slightly less than one out of four Hispanic students who take an AP Exam will pass.
- African-American students represented the second largest racial/ethnic group of students who took an AP Exam, accounting for one out of five (20 percent) of all AP test takers in 2014–15. When compared to last year, the number of African-American students who took AP Exams **increased** by 15 percent and the number of exams taken by African-American students **increased** by 19 percent. Both the overall number of exams scored 3 or higher taken by African-American students **increased** and the *proportion* of exams scored 3 or higher **increased** from the previous year (14 percent in 2014–15 compared to 13 percent in 2013–14). Despite gains, less than two out of ten African-American students who take an AP Exam will pass.
- White students accounted for 13 percent of AP test takers in 2014–15. When compared to last year, the number of White students who took AP Exams **increased** by 4 percent and the number of exams taken by White students **increased** by 10 percent. While the overall number of exams scored 3 or higher taken by White students **increased**, the *proportion* of exams scored 3 or higher **decreased** from the previous year (58 percent in

2014–15 compared to 63 percent in 2013–14). White students are four times as likely as African-American students and three times as likely as Hispanic students to pass an AP Exam.

- Asian students accounted for 7 percent of AP test takers in 2014–15. When compared to last year, the number of Asian students who took AP Exams **increased** by 7 percent and the number of exams taken by Asian students **increased** by 16 percent. While the overall number of exams scored 3 or higher taken by Asian students **increased**, the *proportion* of exams scored 3 or higher remained the same from the previous year (73 percent in 2014–15 and 2013–14).
- Economically disadvantaged students accounted for 67 percent of AP test takers in 2014–15. When compared to last year, the number of economically disadvantaged students who took AP Exams **increased** by 10 percent and the number of exams taken by economically disadvantaged students **increased** by 13 percent. While the overall number of exams scored 3 or higher taken by economically disadvantaged students **increased**, the *proportion* of exams scored 3 or higher **decreased** slightly from the previous year (22 percent in 2014–15 compared to 24 percent in 2013–14). Non-economically-disadvantaged students (51 percent) are more than twice as likely to pass an AP Exam as economically-disadvantaged students (22 percent).

By Campus

Figure 4 shows the number of AP Exams taken by HISD students in grades 9 through 12 and the percent of exams scored 3 or higher for each campus in 2014 and 2015. 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 campus.

Figure 4 below indicates the following:

- Students at Bellaire High School took the largest number of AP Exams in 2014–15 (2,533) while only one exam was taken at Long Academy and REACH Charter High School (an alternative school). A median of 332 AP Exams was taken across 46 campuses.
- In 2014–15, exams taken at Bellaire HS, Carnegie Vanguard HS, and Debakey HS accounted for 22 percent of all AP Exams taken in HISD but made up more than half (53 percent) of all exams that were scored 3 or higher.
- For the 41 campuses with two years of **participation data**, 30 campuses **increased** the number of AP Exams taken, two campuses had the same number, and nine campuses **decreased** the number of AP Exams taken in 2014–15 compared to 2013–14.
- For the 41 campuses with two years of **performance data**, the number of AP Exams scored 3 or higher **increased** at 19 campuses, remained the same at one campus, and **declined** at 21 campuses in 2014–15 compared to 2013–14.

Figure 4: AP Exam Participation and Performance by Campus, 9th - 12th grade, 2013–14 and 2014–15

Ranked by the number of AP Exams taken in 2015

Campus	2013–14		2014–15		Change, 2013–14 to 2014–15	
	Exams Taken, N	AP Scores ≥ 3, N	Exams Taken, N	AP Scores ≥ 3, N	Exams Taken, N	AP Scores ≥ 3, N
Bellaire HS	2,382	1,926	2,533	1,987	151	61
Westside HS	1,709	860	1,812	745	103	-115
Carnegie HS	1,426	1,024	1,792	1,305	366	281
Lamar HS	1,649	199	1,655	200	6	1
Reagan HS	1,292	170	1,408	132	116	-38
Chavez HS	1,195	365	1,308	401	113	36
DeBakey HS	955	864	1,272	1,135	317	271
Westbury HS	983	117	1,054	101	71	-16
Houston MST	974	117	1,043	127	69	10
Waltrip HS	600	137	724	92	124	-45
Law Enfor Crim Justice HS	688	61	698	33	10	-28
Challenge HS	581	216	677	238	96	22
Davis HS	666	106	666	108	0	2
Austin HS	351	100	633	96	282	-4
Eastwood Academy	600	257	625	239	25	-18
Perf Vis Arts HS	585	486	590	410	5	-76
Milby HS	551	144	557	85	6	-59
Madison HS	719	70	525	42	-194	-28
North Houston Early College HS	211	31	511	107	300	76
Sharpstown HS	410	119	511	122	101	3
Energized STEM HS SW	147	6	438	3	291	-3
Sharpstown International	284	78	354	118	70	40
East Early College HS	210	78	335	93	125	15
Houston International HS	231	40	328	61	97	21
Sterling HS	200	7	328	10	128	3
Jordan HS	266	23	302	22	36	-1
Lee HS	306	60	291	54	-15	-6
Washington HS	254	26	252	29	-2	3
Young Women's College Prep	171	3	243	25	72	22
Scarborough HS	249	17	233	8	-16	-9
Furr HS	314	22	207	13	-107	-9
Leland Young Men's College Prep.	74	6	166	20	92	14
Yates HS	127	6	141	3	14	-3
Mount Carmel Academy	115	12	140	24	25	12
Jones HS	134	3	119	3	-15	0
Worthing HS	112	2	112	0	0	-2
Wheatley HS	130	2	109	1	-21	-1
Energy Inst HS	*	*	106	50	--	--
Kashmere HS	155	10	87	0	-68	-10
North Forest HS	--	--	87	1	--	--
Energized STEM HS SE	128	1	58	0	-70	-1
Texas Connections Acad.	37	19	48	23	11	4
South EC HS	30	3	32	1	2	-2
Liberty HS	--	--	15	9	--	--
Long Academy	--	--	*	*	--	--
REACH HS	--	--	*	*	--	--
HISD Totals	22,277	7,795	25,127	8,277	2,850	482

2014–15 Source: 2015 College Board AP electronic datafile; retrieved August 14, 2015.

2013–14 Source: HISD Research and Accountability Department. Advanced Placement Report 2013–2014.

Notes: *Masked # tested < 5. -- indicates no data for the previous year. Bellaire and Lamar High Schools offer the International Baccalaureate (IB) Program in addition to Advanced Placement (AP). This table displays a duplicated count of exams taken by students enrolled in grades 9-12 and by students with grade level not indicated (for three students).

By Exam and by Campus

Analysis of district-wide participation focused on the number of students who took any of the possible 36 AP Exams offered by the College Board. Results are presented in **Appendix C**. Additionally, the number of students who took each exam and the percent of exams scored 3 or higher are presented for each exam type by campus and district total.

Course Participation and Performance*AP Course Offerings*

Figure 5 shows the number of AP courses offered in HISD schools in 2013–14 and 2014–15, and the change in the number of courses from 2013–14 to 2014–15.

Figure 5 indicates the following:

- In 2014–15, 49 out of 57 HISD schools offered at least one AP course—this reflects an **increase** of two schools that offered AP courses compared to 2013–14.⁷
- Of the 46 schools that offered AP courses in both 2014–15 and 2013–14, 22 schools **increased** the number of AP courses offered from 2013–14; 16 schools **decreased** AP course offerings; and 8 schools had no change.
- The largest **increase** in AP courses offered in 2014–15 compared to 2013–14 occurred at Advanced Virtual Academy (+7 courses), Chavez HS (+6 courses), and Young Women’s College Prep (+6 courses).
- The largest **decrease** in AP courses offered in 2014–15 compared to 2013–14 occurred at Energized STEM HS SE (-7 courses), Energized STEM HS SW (-6 courses), and Reagan HS (-5 courses).

⁷ This includes HISD campuses that serve students enrolled in grades 9, 10, 11, or 12 only.

Figure 5: Distinct AP Courses Offered* by Campus, 2013–14 and 2014–15

Ranked by the number of courses in 2015

Campus	2013–14	2014–15
Westside HS	29	28
Carnegie HS	24	26
Bellaire HS	23	24
Davis HS	18	22
Lee HS	15	20
Eastwood Academy	20	20
DeBakey HS	16	19
Chavez HS	12	18
Houston MST	16	18
Reagan HS	22	17
Sterling HS	11	16
Sharpstown HS	13	16
Sharpstown International	17	16
Austin HS	14	15
Madison HS	16	15
Westbury HS	15	15
Law Enfor Crim Justice HS	15	15
Milby HS	15	14
Waltrip HS	16	14
Furr HS	15	13
Scarborough HS	14	13
Jordan HS	12	12
Perf Vis Arts HS	11	11
Advanced Virtual Academy	4	11
Challenge HS	7	10
Young Women's College Prep	4	10
Washington HS	10	9
North Houston Early College HS	8	9
Houston International HS	8	9
North Forest HS	7	9
Kashmere HS	8	8
Mount Carmel Academy	7	8
East Early College HS	8	8
Energized STEM HS SW	14	8
Leland Young Men's College Prep.	3	8
Wheatley HS	8	7
Yates HS	6	7
Beechnut Academy	5	7
Energized STEM HS SE	14	7
Lamar HS	4	6
Jones HS	7	5
Worthing HS	7	5
Energy Inst HS	2	4
Liberty HS	0	3
Texas Connections Acad.	0	2
JJAEP	0	2
REACH HS	3	2
South EC HS	2	2
Community Services	3	1
HISD Totals	34	35

2014–15 Source: HISD Data Warehouse; retrieved August 31, 2015.

2013–14 Source: HISD. Research and Accountability Department. Advanced Placement Report 2013–2014.

Note: *Courses displayed had at least one student enrolled within the respective academic year. Bellaire and Lamar High Schools offer the International Baccalaureate (IB) Program in addition to Advanced Placement (AP).

By Student Group

AP course completion is defined as students enrolled in an AP course who earn a passing grade at the end of the course (C or higher) for each semester that is required (most AP courses require two semesters to qualify for completion). AP course completion by student groups including race/ethnicity, economic status, English Language Learner (ELL) status, and gender were examined for 2013–14 and 2014–15. The number and percent of HISD students in grades 10 – 12 who completed AP courses are presented by student group in **Table 2**. This table reflects an *unduplicated* count of students for courses.

Table 2: AP Course Enrollment and Completion by Student Group, 10th - 12th grade, 2013–14 and 2014–15

2014–15						
Student Group	Grades 10-12 Enrollment		AP Course Enrollment		AP Course Completion	
	Total	Percent	Total	Percent	Total	Percent
African American	8,621	25	2,653	31	2,261	85
American Indian	83	0	26	31	23	88
Asian	1,394	4	927	66	898	97
Hispanic	19,931	59	7,234	36	6,367	88
White	3,483	10	1,425	41	1,366	96
Other	298	0	138	46	133	96
Econ. Disadv.	22,408	66	8,373	37	7,319	87
Non-Econ. Disadv.	11,402	34	4,030	35	3,729	93
ELL	3,401	10	438	13	374	85
Non-ELL	30,400	90	11,965	39	10,674	89
Female	17,050	50	6,841	40	6,232	91
Male	16,760	50	5,562	33	4,816	87
HISD Totals	33,810	100	12,403	37	11,048	89
2013–14						
Student Group	Grades 10-12 Enrollment		AP Course Enrollment		AP Course Completion	
	Total	Percent	Total	Percent	Total	Percent
African American	8,666	26	2,249	26	2,020	90
American Indian	86	0	20	23	19	95
Asian	1,344	4	811	60	799	99
Hispanic	19,392	59	6,492	33	5,819	90
White	3,215	10	1,404	44	1,353	96
Other	287	0	130	45	122	94
Econ. Disadv.	24,134	73	7,520	31	6,742	90
Non-Econ. Disadv.	8,859	27	3,586	40	3,390	95
ELL	2,619	8	236	9	199	84
Non-ELL	30,374	92	10,870	36	9,933	91
Female	16,519	50	6,109	37	5,679	93
Male	16,474	50	4,997	30	4,453	89
HISD Totals	32,993	100	11,106	34	10,132	91

2014–15 Source: HISD Data Warehouse; retrieved August 31, 2015.

2013–14 Source: HISD Research and Accountability Department. *Advanced Placement Report 2013–2014*.

Notes: Table displays an unduplicated count of HISD students enrolled in grades 10-12. AP course completion is defined as enrolled in an AP course and earning a passing grade at the end of the course (C or higher) for each semester that is required.

Table 2 indicates the following:

- In 2014–15, both the *number* and *proportion* of 10th–12th graders enrolled in an AP course **increased** for the district. In 2014–15, 12,403 students were enrolled in an AP course, which represents a 12 percent **increase** from the previous year. Additionally, in 2014–15, 37 percent of students in grades 10–12 were enrolled in at least one AP course, reflecting an **increase** of three percentage points compared to 2013–14 (34 percent).
- Both the *number* and *proportion* of 10th–12th graders enrolled in an AP course **increased** for all racial/ethnic groups in 2014–15 except for White students (proportion **declined** by three percentage points) and those who identify as two or more races (proportion **declined** by one percentage point).
- Both the *number* and *proportion* of 10th–12th graders enrolled in an AP course **increased** for economically disadvantaged students in 2014–15 compared to the previous year. However, the course completion rate **declined** by three percentage points for this group.
- The greatest **increases** in the proportion of students who enrolled in AP courses were among American Indian (8 percentage points), Asian students (6 percentage points), economically-disadvantaged students (6 percentage points), and African-American students (5 percentage points).
- Despite increases from the previous year, Hispanic and African-American students are still less likely to enroll in AP courses compared to their Asian and White counterparts. Only 36 percent and 31 percent of Hispanic and African-American students, respectively, were enrolled in AP courses in 2014–15 compared to 41 percent and 66 percent of White and Asian students, respectively.
- Among students enrolled in AP courses in 2014–15, 89 percent completed at least one; this reflects a **decline** of two percentage points from the previous year. AP course completion rates **decreased** between 2013–14 and 2014–15 for all racial/ethnic groups, except for White students, where there was no change.

By Campus

Figure 6 shows the percent of students in grades 10–12 who completed at least one AP course in 2013–14 and 2014–15 by campus. Very few AP courses are available for students in grade 9, but ninth grade usually has the largest enrollment in high schools. Thus, basing percentages of AP courses on enrollment that includes 9th graders does not accurately reflect the rates of participation. Data for **Figure 6** 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 6: AP Course Completion by Campus, 10th - 12th grade, 2013–14 and 2014–15

Ranked by number of course completers in 2015

Campus	2013-14				2014-15				Change	
	Total Enrolled 10-12	Completed ≥ 1 AP Course		Total Enrolled 10-12	Completed ≥ 1 AP Course		Total Enrolled 10-12	Completed ≥ 1 AP Course		
		N	%		N	%		N	% point	
Westside HS	1,909	829	43	1,937	844	44	28	15	1	
Bellaire HS	2,351	794	34	2,604	843	32	253	49	-2	
Reagan HS	1,542	601	39	1,536	685	45	-6	84	6	
Lamar HS	2,396	576	24	2,255	600	27	-141	24	3	
Westbury HS	1,359	473	35	1,356	591	44	-3	118	9	
Chavez HS	2,004	523	26	2,063	527	26	59	4	0	
Houston MST	1,657	544	33	1,534	496	32	-123	-48	-1	
DeBaKey HS	581	366	63	580	452	78	-1	86	15	
Carnegie HS	415	410	99	437	434	99	22	24	0	
Austin HS	1,064	189	18	1,099	394	36	35	205	18	
Davis HS	1,116	314	28	1,199	328	27	83	14	-1	
Waltrip HS	1,127	252	22	1,141	320	28	14	68	6	
Madison HS	1,283	386	30	1,198	313	26	-85	-73	-4	
Law Enfor Crim Justice HS	384	312	81	341	301	88	-43	-11	7	
Challenge HS	323	244	76	332	289	87	9	45	11	
Milby HS	1,375	238	17	1,251	285	23	-124	47	6	
Perf Vis Arts HS	505	270	53	508	266	52	3	-4	-1	
Jordan HS	641	240	37	558	259	46	-83	19	9	
Sharpstown HS	890	223	25	884	238	27	-6	15	2	
Eastwood Academy	292	224	77	307	232	76	15	8	-1	
Furr HS	613	251	41	647	219	34	34	-32	-7	
Lee HS	900	203	23	919	196	21	19	-7	-2	
Sharpstown International	363	164	45	375	194	52	12	30	7	
North Houston Early College HS	277	95	34	303	174	57	26	79	23	
Houston International HS	305	159	52	310	168	54	5	9	2	
Energized STEM HS SW	108	104	96	169	154	91	61	50	-5	
Sterling HS	525	92	18	629	139	22	104	47	4	
East Early College HS	335	118	35	335	126	38	0	8	3	
Scarborough HS	418	148	35	448	113	25	30	-35	-10	
Yates HS	649	80	12	621	113	18	-28	33	6	
Washington HS	487	108	22	446	110	25	-41	2	3	
Wheatley HS	557	113	20	499	95	19	-58	-18	-1	
Young Women's College Prep	94	93	99	111	79	71	17	-14	-28	
Worthing HS	396	78	20	395	77	19	-1	-1	-1	
North Forest HS	677	57	8	625	71	11	-52	14	3	
Mount Carmel Academy	257	59	23	254	69	27	-3	10	4	
Energy Inst HS	--	--	--	152	64	42	--	--	--	
Kashmere HS	331	69	21	340	46	14	9	-23	-7	
Leland Young Men's College Prep.	38	22	58	45	43	96	7	21	38	
Jones HS	278	54	19	57	40	70	-221	-14	51	
Energized STEM HS SE	32	32	100	20	20	100	-12	-12	0	
Texas Connections Acad.	--	--	--	1,303	13	1	--	--	--	
Advanced Virtual Academy	--	--	--	426	*	*	--	--	--	
Beechnut Academy	--	--	--	102	*	*	--	--	--	
Liberty HS	--	--	--	365	*	*	--	--	--	
JJAEP	--	--	--	*	*	*	--	--	--	
HISD Totals	32,993	10,132	31	33,810	11,048	33	817	916	2	

2014–15 Source: HISD Data Warehouse; retrieved August 31, 2015.

2013–14 Source: HISD Research and Accountability Department. Advanced Placement Report 2013–2014.

Notes: Table displays an unduplicated count of HISD students enrolled in grades 10-12. Bellaire and Lamar High Schools offer the International Baccalaureate (IB) Program in addition to Advanced Placement (AP). *Masked # students < 5.

Figure 6 indicates the following:

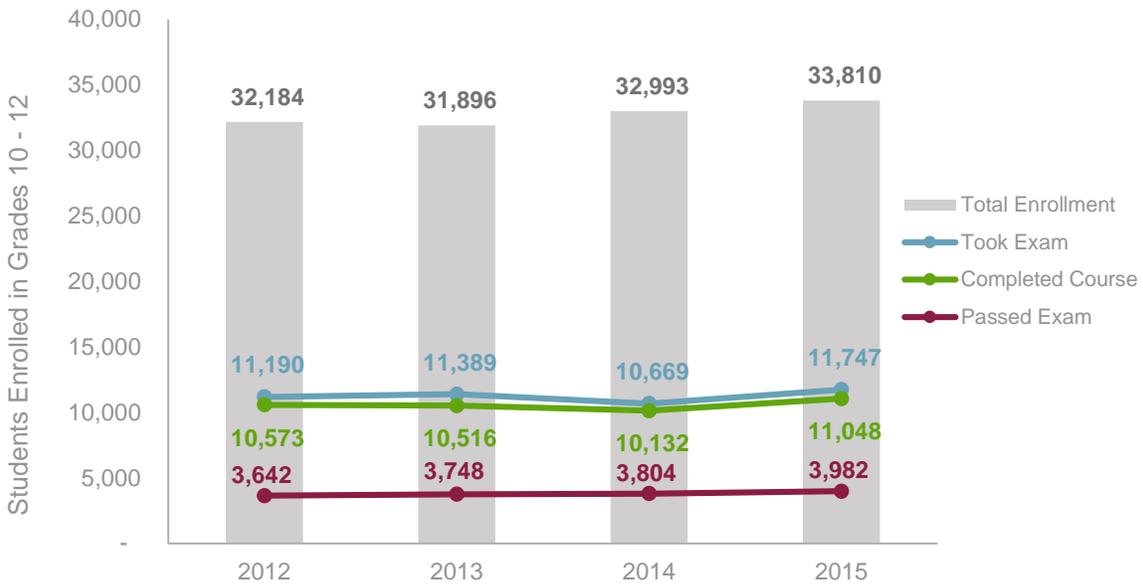
- HISD students were more likely to complete an AP course this year compared to last year. In 2014–15, 33 percent of students enrolled in in grades 10–12 in the district completed at least one AP course, up from 31 percent in 2013–14.

- In 2014–15, the proportion of students enrolled in grades 10–12 who completed at least one AP course ranged from one percent at Texas Connections Academy to 100 percent at Energized STEM HS SE.
- Among the 40 HISD campuses with two years of data, the proportion of students who completed at least one AP course **increased** in 2014–15 from the previous year at 23 campuses, **declined** at 14 campuses, and remained the same at three campuses.

Course and Exam Participation and Performance

Figure 7 shows the number of students enrolled in grades 10–12 who completed at least one AP course, the number who took at least one AP Exam, and the number who passed at least one AP Exam with a score of 3 or higher from 2011–12 to 2014–15. Figures for each series reflect an *unduplicated* count of students.

Figure 7: AP Course Completion and Exam Performance, 10th - 12th grade, 2011–12 to 2014–15



Grade level and course enrollment source: HISD Data Warehouse.

Exam source: College Board AP datafiles for respective year.

Note: This graph displays an unduplicated count of students enrolled in grades 10-12. AP course completion is defined as receiving a passing grade at the end of the course (C or higher) for each semester that is required.

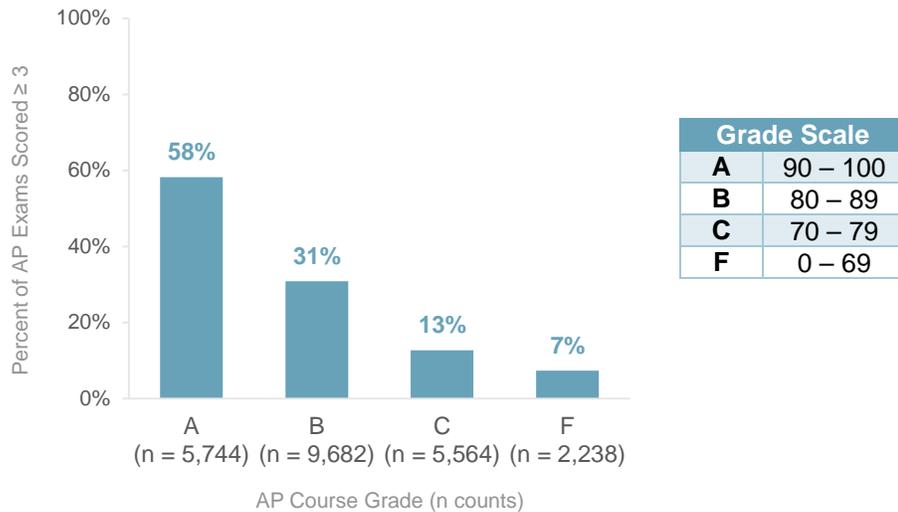
Figure 7 indicates:

- The number of students enrolled in grades 10 through 12 who took at least one AP Exam **increased** by five percent to 11,747 in 2014–15 from 11,190 in 2011–12.
- The number of students enrolled in grades 10 through 12 who completed at least one AP course **increased** by four percent to 11,048 in 2014–15 from 10,573 in 2011–12.
- The number of students enrolled in grades 10 through 12 who passed at least on AP Exam **increased** by nine percent to 3,982 in 2014–15 from 3,642 in 2011–12.
- Among students enrolled in grades 10 through 12 in 2014–15, 35 percent had taken at least one AP Exam, 33 percent had completed an AP course, and 12 percent had passed an AP Exam.

By Exam Category

Of the 25,127 AP Exams taken in 2014–15 by HISD high school students, almost all (23,228 or 92 percent) were associated with a corresponding AP course for which a grade was received. Among the 23,228 exams taken (for which an AP course grade was also received), 31 percent earned scores 3 or higher and 90 percent earned a course grade of C or higher. **Figure 8** compares the percent of all AP Exams scored 3 or higher with the grade earned in the corresponding AP course (and the number of students who earned each course grade is in parenthesis). **Appendix D** presents these findings by each of the seven AP subject areas.

Figure 8: AP Exam Performance by AP Course Grade, 9th - 12th grade, 2014–15



Course Grade Source: HISD Data Warehouse; retrieved August 31, 2015. AP Exam Score Source: 2015 College Board AP datafile; retrieved August 14, 2015.

Notes: AP courses and exams are linked--these graphs display AP Exams for which a corresponding AP course grade exists. Graph displays a duplicated count of AP courses/exams taken by students enrolled in grades 9–12.

Figure 8 indicates the following:

- Among students who earned an A in any AP course, 58 percent passed the corresponding AP Exam (with a score of 3 or higher).
- Among students who earned a B in any AP course, 31 percent passed the corresponding AP Exam.
- Among students who earned a C in any AP course, 13 percent passed the corresponding AP Exam.
- Among students who failed any AP course, 7 percent passed the corresponding AP Exam.

Key findings from **Appendix D** include:

- Fifty-nine percent of students who earned an F in their World Languages & Culture AP course also passed the corresponding AP Exam.
- About half of students who earned an A in AP Arts, English, History & Social Sciences, and Sciences courses passed the corresponding AP Exam (with a score of 3 or higher).

By Campus

Corresponding AP course enrollment and exam data are presented by campus in **Appendix E**. Data analyzed include students enrolled in grades 9 – 12, the number of AP courses offered, the number and percent of AP courses completed (passed), and the number and percent of AP Exams taken and scored 3 or higher by campus.

“Emerging Scholars” 8th and 9th Grade

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 and Spanish language courses and exams. **Table 3** presents AP course and exam participation and performance for students in grades 8 and 9.

Table 3: AP Course and Exam Participation and Performance, 8th - 9th grade, 2013–14 and 2014–15

2014–15						
Grade	AP Course Enrollment, N	AP Course Completion, N	AP Course Completion, %	AP Exams Taken, N	AP Scores ≥ 3, N	AP Scores ≥ 3, %
8	452	411	91	542	470	87
9	2,130	1,708	80	2,299	643	28
HISD Totals	2,582	2,119	82	2,841	1,113	39
2013–14						
Grade	AP Course Enrollment, N	AP Course Completion, N	AP Course Completion, %	AP Exams Taken, N	AP Scores ≥ 3, N	AP Scores ≥ 3, %
8	21	21	100	543	433	80
9	1,431	1,337	93	1,756	629	36
HISD Totals	1,452	1,358	94	2,299	1,062	46

2014–15 Course Source: HISD Data Warehouse; retrieved August 31, 2015. 2015 AP Exam Source: 2015 College Board AP datafile; retrieved August 14, 2015.

2013–14 Source: HISD Research and Accountability Department. Advanced Placement Report 2013–2014.

Notes: Table displays a duplicated count of exams taken by students enrolled in grades 8 and 9 only. AP course completion is defined as enrolled in an AP course and earning a passing grade at the end of the course (C or higher) for each semester that is required.

Table 3 indicates the following:

- In 2014–15, 2,582 district eighth and ninth graders enrolled in an AP course, compared to 1,452 district eighth and ninth graders in 2013–14. In 2014–15, 2,119 (82 percent) of those students completed the course, compared to 1,358 (94 percent) in 2013–14.
- A combined total of 2,841 HISD eighth and ninth graders took AP Exams in 2014–15, compared to 2,299 in 2013–14, representing an **increase** of 24 percent.
- In 2014–15, 39 percent of AP Exams were scored 3 or higher, **down** seven percentage points from 2013–14.

Figure 9 presents the type of AP Exams taken by 8th graders only. AP Exam participation and performance for 8th graders by exam and campus are presented in **Appendix F**.

Figure 9: AP Exam Participation and Performance by Exam, 8th grade, 2014–15

AP Exam	AP Exams Taken, N	AP Exams Taken, % of Total	AP Scores ≥ 3, N	AP Scores ≥ 3, % of Exams Taken
Spanish Language & Culture	527	97%	455	86%
Chinese Language & Culture	15	3%	15	100%
HISD Totals	542	100%	470	87%

Source: 2015 College Board AP electronic datafile; retrieved August 14, 2015

Note: This table displays a duplicated count of exams taken by students enrolled in 8th grade only.

Figure 9 indicates the following:

- The vast majority of 8th graders (97 percent) took Spanish Language & Culture exams and passed (86 percent).

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 G-1**.

Appendix G-2 shows the number and category of AP Awards earned by campus in 2014 and 2015. Key findings include:

- The number of AP Scholar Awards earned by HISD students **increased** by 9 percent, or 133 Awards, to 1,650 in 2014–15 from 1,517 in 2013–14.
- Almost two-thirds of all AP Awards were earned by students at three campuses: Bellaire HS (29 percent), Carnegie Vanguard HS (21 percent), and DeBakey HS (16 percent).

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 those from the previous year.

The results from this report indicate that the number of HISD middle and high school students taking AP Exams and earning a score of 3 or higher is increasing. However, the proportion of students who earn a score of 3 or higher has declined from the previous year. Relatedly, the success rate on the exams students are most likely to take, History & Social Sciences and English, is lower than that of other exams. While the number of students from historically underrepresented groups (such as African Americans, Hispanics, and those who are economically disadvantaged) who take AP Exams is increasing, they typically are less likely to pass AP Exams compared to their White and Asian counterparts. Additionally, the majority of AP Exams are taken by students from concentrated high schools in the district.

AP Course participation is increasing. Approximately 37 percent of students enrolled in grades 10 – 12 took at least one AP course—a three-point increase from last year. Asian students, economically disadvantaged students, and African American students experienced the greatest percentage point increases in AP course completion. An analysis of how AP course performance compares with AP Exam performance showed that students who earned an A in AP Arts, English, History & Social Sciences, and Sciences courses were only about half as likely to pass the corresponding AP Exam. Meanwhile, the majority of students who failed an AP World Languages & Culture course were still likely to pass the corresponding AP Exam.

The number of AP Awards presented to HISD students increased again this year. Many more HISD students are being exposed to Advanced Placement courses and to the opportunity to earn college credits while still enrolled in high school.

Methods

Data Limitations

The College Board receives Advanced Placement (AP) data from the Educational Testing Service (ETS). It is important to understand that the extracts are made from a dynamic 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 copied from HISD's previous AP report (2013–14, Superintendent memo dated October 14, 2014). AP Data for the current school year (2014–15) were extracted from the College Board on August 14, 2015 in the form of electronic files.

To provide disaggregated student level demographic information, the College Board AP electronic databases were matched on race/ethnicity, gender, economic status, ELL status, and campus to the Chancery end-of-year (EOY) data files (date of extraction: May 27, 2015). 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. The number of AP courses offered by campus included all AP courses in which at least one student was enrolled. Bellaire and Lamar High Schools offer the International Baccalaureate (IB) Program in addition to Advanced Placement (AP). As such, it is possible for students at these campuses to take an IB course in one subject—instead of the AP course—and to also take the AP Exam in the same subject.

Participants

AP course enrollment data from Chancery and AP Exam data from the College Board were analyzed. State- and National-level data, including the number of AP subject tests taken along with the percentage of exams with scores 3 or higher, were extracted from the College Board AP Program Research “School Report of AP Exams 2010–11 through 2014–15 (By State).”

AP Course participation rates for sophomores, juniors and seniors were calculated by dividing the number of students enrolling in at least one AP course by the Chancery EOY snapshot of enrollment for the same group. Participation rates for sophomores, juniors and seniors were calculated across the district, by campus, and by student group.

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.

To determine the percentage of AP Exams scored 3 or higher by race/ethnicity, the total number of tests scoring a 3 or higher was divided by the total number of tests taken (for which a score was received) for each racial/ethnic category.

AP Exams were counted if they had received a score at the time of data retrieval. Any AP Exam without a corresponding score was excluded from analysis.

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 Chancery EOY database, were analyzed. Analyses were conducted using the aggregated data by grade, race/ethnicity, and gender. Results were also analyzed by campus and district-wide. The analysis did not use self-reported demographic data, but instead used an extract from Chancery on May 27, 2015 as the source for race/ethnicity, gender, economic status, ELL status, and campus. Only exams that had received a score by the time the data was extracted on August 14, 2015 were included in this analysis.

Appendix A

2014–15 Advanced Placement Exams by Category

Arts (5)
<ul style="list-style-type: none"> • Art History • Music Theory • Studio Art: 2-D Design • Studio Art: 3-D Design • Studio Art: Drawing
AP Capstone (1)
<ul style="list-style-type: none"> • Seminar
English (2)
<ul style="list-style-type: none"> • English Language and Composition • English Literature and Composition
History & Social Science (9)
<ul style="list-style-type: none"> • 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)
<ul style="list-style-type: none"> • Calculus AB • Calculus BC • Computer Science A • Statistics
Sciences (7)
<ul style="list-style-type: none"> • Biology • Chemistry • Environmental Science • Physics 1 • Physics 2 • Physics C: Electricity and Magnetism • Physics C: Mechanics
World Languages & Cultures (8)
<ul style="list-style-type: none"> • 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

Appendix B

AP Exam Participation and Performance by Campus, 9th - 12th grade, 2013–14 and 2014–15

Campus	2013–14				2014–15			
	# Students Tested	# Exams Taken	# AP Scores ≥ 3	% AP Scores ≥ 3	# Students Tested	# Exams Taken	# AP Scores ≥ 3	% AP Scores ≥ 3
Austin HS	274	351	100	28	455	633	96	15
Bellaire HS	877	2,382	1,926	81	923	2,533	1,987	78
Carnegie HS	587	1,426	1,024	72	591	1,792	1,305	73
Challenge HS	371	581	216	37	423	677	238	35
Chavez HS	750	1,195	365	31	700	1,308	401	31
Davis HS	362	666	106	16	349	666	108	16
DeBakey HS	372	955	864	90	451	1,272	1,135	89
East Early College HS	188	210	78	37	224	335	93	28
Eastwood Academy	285	600	257	43	338	625	239	38
Energized STEM HS SE	76	128	1	1	41	58	0	0
Energized STEM HS SW	53	147	6	4	308	438	3	1
Energy Inst HS	*	*	*	*	94	106	50	47
Furr HS	230	314	22	7	165	207	13	6
Houston International HS	175	231	40	17	269	328	61	19
Houston MST	562	974	117	12	633	1,043	127	12
Jones HS	64	134	3	2	89	119	3	3
Jordan HS	206	266	23	9	226	302	22	7
Kashmere HS	105	155	10	6	48	87	0	0
Lamar HS	1,599	1,649	199	12	1,594	1,655	200	12
Law Enfor Crim Justice HS	342	688	61	9	319	698	33	5
Lee HS	195	306	60	20	183	291	54	19
Leland Young Men's College Prep.	25	74	6	8	64	166	20	12
Liberty HS	--	--	--	--	8	15	9	60
Long Academy	--	--	--	--	*	*	*	*
Madison HS	454	719	70	10	314	525	42	8
Milby HS	375	551	144	26	311	557	85	15
Mount Carmel Academy	59	115	12	10	69	140	24	17
North Forest HS	52	71	-	0	39	87	1	1
North Houston Early College HS	154	211	31	15	321	511	107	21
Perf Vis Arts HS	270	585	486	83	265	590	410	69
REACH HS	--	--	--	--	*	*	*	*
Reagan HS	692	1,292	170	13	731	1,408	132	9
Scarborough HS	161	249	17	7	176	233	8	3
Sharpstown HS	268	410	119	29	296	511	122	24
Sharpstown International	189	284	78	27	213	354	118	33
South EC HS	29	30	3	10	32	32	1	3
Sterling HS	100	200	7	4	190	328	10	3
Texas Connections Acad.	26	37	19	51	31	48	23	48
Waltrip HS	330	600	137	23	409	724	92	13
Washington HS	112	254	26	10	125	252	29	12
Westbury HS	538	983	117	12	608	1,054	101	10
Westside HS	937	1,709	860	50	956	1,812	745	41
Wheatley HS	95	130	2	2	69	109	1	1
Worthing HS	87	112	2	2	88	112	0	0
Yates HS	25	74	6	8	110	141	3	2
Young Women's College Prep	119	171	3	2	79	243	25	10
HISD Totals	12,837	22,277	7,795	35	13,929	25,127	8,277	33

2014–15 Source: 2015 College Board AP electronic datafile; retrieved August 14, 2015.

2013–14 Source: HISD Research and Accountability Department. Advanced Placement Report 2013–2014.

Notes: *Masked # tested < 5. Bellaire and Lamar High Schools offer the International Baccalaureate Program in addition to Advanced Placement. This table displays an unduplicated count of students tested and a duplicated count of exams taken by students enrolled in grades 9-12 and by students with grade level not indicated (for three students). Number tested is an unduplicated count.

Appendix C

AP Exam Participation and Performance by Exam and Campus, 9th - 12th grade, 2014–15

Campus	Arts														
	Art History			Music Theory			Studio Art: 2D Design			Studio Art: 3D Design			Studio Art Drawing		
	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3
Austin HS	7	0	0										12	4	33
Bellaire HS	10	8	80	10	6	60	8	8	100				6	6	100
Carnegie HS	18	17	94	*	*	*	5	5	100						
Challenge HS															
Chavez HS															
Davis HS	9	0	0	7	0	0									
DeBakey HS				*	*	*	*	*	*				19	18	95
East Early College HS															
Eastwood Academy	8	2	25										27	2	7
Energized STEM HS SE															
Energized STEM HS SW															
Energy Inst HS															
Furr HS															
Houston International HS															
Houston MST				7	0	0	5	0	0	11	1	9			
Jones HS															
Jordan HS															
Kashmere HS															
Lamar HS	42	1	2												
Law Enfor Crim Justice HS							*	*	*						
Lee HS							12	8	67	10	0	0	8	0	0
Leland Young Men's College Prep.															
Liberty HS															
Long Academy															
Madison HS				6	0	0	*	*	*						
Milby HS															
Mount Carmel Academy															
North Forest HS															
North Houston Early College HS															
Perf Vis Arts HS				26	26	100									
REACH HS													*	*	*
Reagan HS															
Scarborough HS							*	*	*						
Sharpstown HS							20	6	30						
Sharpstown International															
South EC HS															
Sterling HS													*	*	*
Texas Connections Acad.				*	*	*									
Waltrip HS															
Washington HS															
Westbury HS							13	2	15				*	*	*
Westside HS				6	0	0	28	26	93	*	*	*	12	10	83
Wheatley HS															
Worthing HS															
Yates HS															
Young Women's College Prep															
HISD Totals	94	28	30	65	34	52	98	58	59	22	2	9	89	42	47

Source: 2015 College Board AP datafile; retrieved August 14, 2015.

Notes: Table displays duplicated count of exams taken by students enrolled in grades 9--12 and by students with grade level not indicated (for three students). *Masked for # tested < 5.

Appendix C: AP Exam Participation and Performance by Exam and Campus, 9th - 12th grade, 2014–15

Campus	AP Capstone			English					
	Seminar			English Language & Composition			English Literature & Composition		
	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3
Austin HS				70	0	0	85	3	4
Bellaire HS				214	170	79	153	122	80
Carnegie HS	40	28	70	153	128	84	137	106	77
Challenge HS				47	23	49	57	22	39
Chavez HS				172	14	8	122	26	21
Davis HS				85	6	7	63	4	6
DeBakey HS	63	57	90	112	100	89	55	54	98
East Early College HS				12	7	58	*	*	*
Eastwood Academy				51	23	45	28	3	
Energized STEM HS SE				6	0	0	6	0	0
Energized STEM HS SW				49	1	2	18	1	6
Energy Inst HS									
Furr HS				28	0	0	15	1	7
Houston International HS				29	1	3	22	0	0
Houston MST				122	9	7	86	1	1
Jones HS				13	0	0			
Jordan HS				119	4	3	54	1	2
Kashmere HS				16	0	0	10	0	0
Lamar HS				302	41	14			
Law Enfor Crim Justice HS				95	4	4	44	2	5
Lee HS				41	12	29	25	1	4
Leland Young Men's College Prep.				13	1	8	17	2	12
Liberty HS									
Long Academy									
Madison HS				77	0	0	71	0	0
Milby HS				87	5	6	16	0	0
Mount Carmel Academy				35	10	29	16	4	
North Forest HS				11	0	0	14	0	0
North Houston Early College HS				95	3	3			
Perf Vis Arts HS	*	*	*	80	63	79	52	50	96
REACH HS									
Reagan HS				222	27	12	84	7	8
Scarborough HS				41	2	5			
Sharpstown HS				58	9	16	32	2	6
Sharpstown International				32	4	13	20	0	0
South EC HS				8	0	0			
Sterling HS				47	0	0	43	0	0
Texas Connections Acad.				11	5	45	6	4	67
Waltrip HS				125	6	5	88	8	9
Washington HS				33	7	21	36	2	6
Westbury HS				120	3	3	69	2	3
Westside HS	24	16	67	256	78	30	151	69	46
Wheatley HS				35	0	0	28	1	4
Worthing HS				29	0	0	25	0	0
Yates HS				46	1	2	33	0	0
Young Women's College Prep				33	7	21			
HISD Totals	128	102	80	3230	774	24	1785	498	28

Source: 2015 College Board AP datafile; retrieved August 14, 2015.

Notes: Table displays duplicated count of exams taken by students enrolled in grades 9–12 and by students with grade level not indicated (for three students). *Masked for # tested < 5.

Appendix C: AP Exam Participation and Performance by Exam and Campus, 9th - 12th grade, 2014–15

Campus	History & Social Sciences														
	Comparative Government & Politics			European History			Human Geography			Macroeconomics			Microeconomics		
	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3
Austin HS							25	0	0	*	*	*			
Bellaire HS	*	*	*	19	16	84	37	33	89	215	187	87	46	43	93
Carnegie HS	12	12	100	13	11	85	160	110	69	21	18	86	135	85	63
Challenge HS							134	37	28	36	2	6			
Chavez HS				15	6	40				83	33	40			
Davis HS							10	1	10	29	0	0			
DeBakey HS										71	60	85			
East Early College HS				26	2	8	57	5	9	15	0	0			
Eastwood Academy				9	4	44	130	29	22	23	6	26	*	*	*
Energized STEM HS SE							21	0	0						
Energized STEM HS SW							148	0	0						
Energy Inst HS															
Furr HS															
Houston International HS							54	8	15						
Houston MST							121	2	2	30	13	43			
Jones HS										18	0	0			
Jordan HS				*	*	*	7	1	14						
Kashmere HS										5	0	0			
Lamar HS	*	*	*				633	89	14						
Law Enfor Crim Justice HS										89	1	1			
Lee HS															
Leland Young Men's College Prep.							19	2	11	18	2	11	*	*	*
Liberty HS							*	*	*						
Long Academy															
Madison HS							20	0	0	60	0	0			
Milby HS							*	*	*	51	2	4			
Mount Carmel Academy										15	1	7			
North Forest HS										18	1	6			
North Houston Early College HS							120	2	2						
Perf Vis Arts HS										46	15	33	*	*	*
REACH HS															
Reagan HS							22	6	27	62	0	0	*	*	*
Scarborough HS							42	0	0	*	*	*			
Sharpstown HS										52	1	2			
Sharpstown International	14	7	50				31	10	32	12	6	50			
South EC HS															
Sterling HS							9	0	0	21	0	0			
Texas Connections Acad.							8	5	63	*	*	*			
Waltrip HS										69	7	10	69	7	10
Washington HS													32	0	0
Westbury HS										111	0	0			
Westside HS				6	4	67	33	26	79	138	22	16	*	*	*
Wheatley HS										*	*	*			
Worthing HS															
Yates HS															
Young Women's College Prep										41	0				
HISD Totals	28	21	75	92	43	47	1844	368	20	1358	379	28	288	137	48

Source: 2015 College Board AP datafile; retrieved August 14, 2015.

Notes: Table displays duplicated count of exams taken by students enrolled in grades 9–12 and by students with grade level not indicated (for three students). *Masked for # tested < 5.

Appendix C: AP Exam Participation and Performance by Exam and Campus, 9th - 12th grade, 2014–15

History & Social Sciences (continued)												
Campus	Psychology			US Government & Politics			US History			World History		
	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3
Austin HS							49	0	0	103	2	2
Bellaire HS	153	124	81	188	133	71	330	233	71	160	140	88
Carnegie HS	40	37	93	137	75	55	153	118	77	141	117	83
Challenge HS				8	1	13	114	29	25	111	16	14
Chavez HS	39	5	13	74	9	12	147	21	14	210	17	8
Davis HS	52	4	8	33	0	0	55	4	7	63	0	0
DeBakey HS	57	56	98	69	56	81	66	59	89	103	94	91
East Early College HS	*	*	*				10	4	40	53	6	11
Eastwood Academy	26	9	35	24	1	4	66	31	47	62	8	13
Energized STEM HS SE							*	*	*	8	0	0
Energized STEM HS SW							50	1	2	86	0	0
Energy Inst HS										73	26	36
Furr HS	12	1	8	14	0	0	7	1	14	48	1	2
Houston International HS										107	2	2
Houston MST	67	0	0	112	7	6	134	0	0	87	2	2
Jones HS				16	0	0	25	1	4	45	0	0
Jordan HS	*	*	*	21	1	5	36	5	14	42	0	0
Kashmere HS	*	*	*	14	0	0	15	0	0	9	0	0
Lamar HS				166	8	5	*	*	*	469	57	12
Law Enfor Crim Justice HS	23	0	0	84	1	1	121	2	2	89	0	0
Lee HS	24	7	29	12	0	0	61	0	0	19	0	0
Leland Young Men's College Prep.				19	1	5	13	2	15	13	1	8
Liberty HS												
Long Academy												
Madison HS				58	0	0	63	0	0	59	0	0
Milby HS				48	0	0	46	7	15	89	9	10
Mount Carmel Academy				14	2	14	31	1	3			
North Forest HS				9	0	0	12	0	0			
North Houston Early College HS							96	6	6	56	10	18
Perf Vis Arts HS	4	3	75	50	9	18	68	49	72	53	53	100
REACH HS												
Reagan HS	48	3	6	84	1	1	161	13	8	168	20	12
Scarborough HS				*	*	*	25	0	0	31	0	0
Sharpstown HS				46	1	2	45	4	9	54	8	15
Sharpstown International				19	6	32	42	7	17	42	6	14
South EC HS										23	1	4
Sterling HS	19	0	0	24	0	0	33	0	0	25	0	0
Texas Connections Acad.				*	*	*	11	2	18			
Waltrip HS	19	4	21	96	6		102	6	6	46	2	4
Washington HS				34	0	0	31	7	23	49	2	4
Westbury HS	24	0	0	132	0	0	146	4	3	97	4	4
Westside HS	23	8	35	163	42	26	213	72	34	303	86	28
Wheatley HS				6	0	0	24	0	0			
Worthing HS							25	0	0	25	0	0
Yates HS							31	1	3	24	0	0
Young Women's College Prep				40	0	0	34	3	9			
HISD Totals	636	261	41	1822	362	20	2696	694	26	3245	690	21

Source: 2015 College Board AP datafile; retrieved August 14, 2015.

Notes: Table displays duplicated count of exams taken by students enrolled in grades 9–12 and by students with grade level not indicated (for three students). *Masked for # tested < 5.

Appendix C: AP Exam Participation and Performance by Exam and Campus, 9th - 12th grade, 2014–15

Campus	Math & Computer Science											
	Calculus AB			Calculus BC			Computer Science A			Statistics		
	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3
Austin HS	13	2	15							14	3	21
Bellaire HS	79	63	80	98	87	89	53	37	70	112	104	93
Carnegie HS	34	30	88	28	28	100	13	9	69	114	88	77
Challenge HS	22	9	41							38	11	29
Chavez HS	25	9	36	6	6	100				*	*	*
Davis HS	18	3	17	8	1	13				34		
DeBakey HS	163	148	91	36	35	97	33	32	97	77	74	96
East Early College HS	13	5	38							22	11	50
Eastwood Academy	19	15	79				7	3	43	10	8	80
Energized STEM HS SE	6	0	0									
Energized STEM HS SW	21	0	0									
Energy Inst HS										5	2	40
Furr HS	7	1	14									
Houston International HS	7	5	71							15	2	13
Houston MST	29	2	7							15	1	7
Jones HS												
Jordan HS	7	0	0									
Kashmere HS	6	0	0									
Lamar HS	38	2	5	*	*	*						
Law Enfor Crim Justice HS	14	0	0							30	1	3
Lee HS	22	0	0	*	*	*						
Leland Young Men's College Prep.	18	2	11							9	1	11
Liberty HS	6	0	0	*	*	*				*	*	*
Long Academy												
Madison HS	5	0	0									
Milby HS	10	1	10							9	1	11
Mount Carmel Academy	*	*	*									
North Forest HS	11	0	0							*	*	*
North Houston Early College HS	18	0	0	6	1	17				29	10	34
Perf Vis Arts HS	34	29	85	*	*	*	*	*	*			
REACH HS												
Reagan HS	42	4	10							26	0	0
Scarborough HS	5	1	20									
Sharpstown HS	12	1	8							31	6	19
Sharpstown International	37	4	11	*	*	*				30	5	17
South EC HS												
Sterling HS	*	*	*									
Texas Connections Acad.	*	*	*									
Waltrip HS	16	9	56							20	7	35
Washington HS	15	1	7									
Westbury HS	22	0	0									
Westside HS	39	12	31	67	51	76	12	8	67	15	14	93
Wheatley HS	*	*	*									
Worthing HS	8	0	0									
Yates HS	6	1	17									
Young Women's College Prep	12	1	8				5	0	0	20	0	0
HISD Totals	873	364	42	258	212	82	126	92	73	678	350	52

Source: 2015 College Board AP datafile; retrieved August 14, 2015.

Notes: Table displays duplicated count of exams taken by students enrolled in grades 9–12 and by students with grade level not indicated (for three students). *Masked for # tested < 5.

Appendix C: AP Exam Participation and Performance by Exam and Campus, 9th - 12th grade, 2014–15

Campus	Sciences																					
	Biology			Chemistry			Environmental Science			Physics 1			Physics 2			Physics C: Electricity & Magnetism			Physics C: Mechanics			
	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3	
Austin HS	6	0	0	22	0	0	48	0	0	57	0	0							6	0	0	
Bellaire HS	96	82	85	67	47	70	132	75	57	108	50	46			*	*	*		37	34	92	
Carnegie HS	22	21	95	45	36	80	71	47	66	153	44	29			28	21	75		31	28	90	
Challenge HS	14	9	64							14	1	7										
Chavez HS	22	7	32	8	2	25	37	5	14	67	1	1	*	*	*			*	*	*	*	
Davis HS	21	0	0	15	0	0	25	0	0	18	0	0	29	0	0							
DeBakey HS	164	145	88	26	25	96	21	19	90	89	59	66	26	23	88							
East Early College HS				25	3	12				26	1	4										
Eastwood Academy	12	2	17	9	5	56	20	5	25	6	2	33										
Energized STEM HS SE							7	0	0													
Energized STEM HS SW				*	*	*	64	0	0													
Energy Inst HS																						
Furr HS				16	0	0	*	*	*	44	0	0										
Houston International HS	17	2	12	12	0	0	*	*	*	9	1	11										
Houston MST				20	0	0	42	1	2	24	0	0										
Jones HS																						
Jordan HS																						
Kashmere HS							*	*	*	10	0	0										
Lamar HS																						
Law Enfor Crim Justice HS	25	0	0	16	0	0	37	1	3										7	0	0	
Lee HS	12	2	17	7	0	0	*	*	*	12	0	0										
Leland Young Men's College Prep.				18	2														*	*	*	
Liberty HS	*	*	*							*	*	*	*	*	*	*	*	*	*	*	*	*
Long Academy																						
Madison HS				6	0	0	21	0	0	*	*	*										
Milby HS	27	3	11	7	0	0	12	0	0	93	1	1	*	*	*							
Mount Carmel Academy	19	3	16	6	1	17																
North Forest HS	11	0	0																			
North Houston Early College HS				14	0	0																
Perf Vis Arts HS	43	36	84							112	56	50										
REACH HS																						
Reagan HS	34	4	12	15	0	0	26	2	8	251	7	3	14	0	0	48	0	0	48	1	2	
Scarborough HS	12	0	0	6	0	0	40	0	0	16	0	0										
Sharpstown HS	12	1	8	20	0	0	*	*	*	24	2	8										
Sharpstown International	9	5	56							5	1	20										
South EC HS							*	*	*													
Sterling HS	35	0	0	25	0	0	7	1	14	25	0	0										
Texas Connections Acad.	*	*	*																			
Waltrip HS	9	3	33	5	1	20	12	2	17	*	*	*										
Washington HS	10	3	30																			
Westbury HS	12	0	0				175	1	1										16	0	0	
Westside HS	33	23	70	14	6	43	81	35	43	5	3	60	12	8	67	*	*	*	5	4	80	
Wheatley HS							11	0	0													
Worthing HS																						
Yates HS							*	*	*													
Young Women's College Prep	14			12	0	0	17	0	0													
HISD Totals	693	352	51	438	128	29	912	195	21	1176	230	20	84	33	39	81	24	30	153	70	46	

Source: 2015 College Board AP datafile; retrieved August 14, 2015.

Notes: Table displays duplicated count of exams taken by students enrolled in grades 9–12 and by students with grade level not indicated (for three students). *Masked for # tested < 5.

Appendix C: AP Exam Participation and Performance by Exam and Campus, 9th - 12th grade, 2014–15

Campus	World Languages & Cultures											
	Chinese Language & Culture			French Language & Culture			German Language & Culture			Italian Language & Culture		
	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3
Austin HS												
Bellaire HS	37	34	92	12	9	75	6	6	100	30	25	83
Carnegie HS	*	*	*	10	10	100						
Challenge HS												
Chavez HS				7	2	29						
Davis HS												
DeBakey HS	*	*	*									
East Early College HS												
Eastwood Academy												
Energized STEM HS SE												
Energized STEM HS SW												
Energy Inst HS												
Furr HS	*	*	*									
Houston International HS										*	*	*
Houston MST												
Jones HS												
Jordan HS												
Kashmere HS												
Lamar HS												
Law Enfor Crim Justice HS												
Lee HS												
Leland Young Men's College Prep.												
Liberty HS	*	*	*									
Long Academy												
Madison HS												
Milby HS												
Mount Carmel Academy												
North Forest HS												
North Houston Early College HS												
Perf Vis Arts HS												
REACH HS												
Reagan HS							*	*	*			
Scarborough HS												
Sharpstown HS												
Sharpstown International	*	*	*									
South EC HS												
Sterling HS												
Texas Connections Acad.												
Waltrip HS	*	*	*				*	*	*			
Washington HS												
Westbury HS												
Westside HS	8	4	50	21	9	43	*	*	*			
Wheatley HS												
Worthing HS												
Yates HS												
Young Women's College Prep												
HISD Totals	56	45	80	50	30	60	12	10	83	32	27	84

Source: 2015 College Board AP datafile; retrieved August 14, 2015.

Notes: Table displays duplicated count of exams taken by students enrolled in grades 9–12 and by students with grade level not indicated (for three students). *Masked for # tested < 5.

Appendix C: AP Exam Participation and Performance by Exam and Campus, 9th - 12th grade, 2014–15

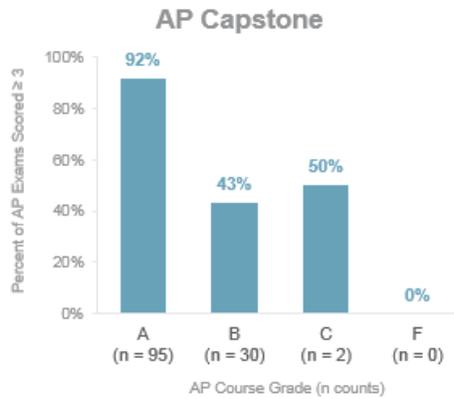
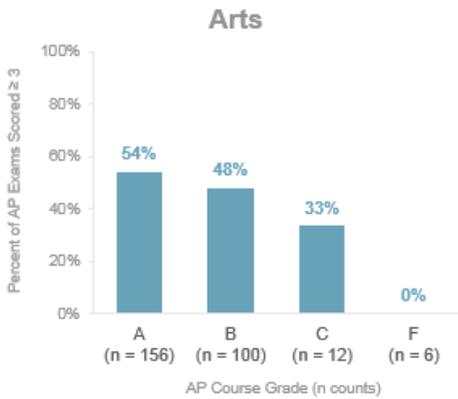
Campus	World Languages & Cultures (continued)												All Exams		
	Japanese Language & Culture			Latin			Spanish Language & Culture			Spanish Literature & Culture			Total		
	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3
Austin HS							98	77	79	16	5	31	633	96	15
Bellaire HS	*	*	*	8	0	0	88	84	95	14	14	100	2533	1987	78
Carnegie HS				6	6	100	49	47	96	21	21	100	1792	1305	73
Challenge HS							82	78	95				677	238	35
Chavez HS							222	197	89	48	39	81	1308	401	31
Davis HS							80	76	95	12	9	75	666	108	16
DeBakey HS							17	17	100				1272	1135	89
East Early College HS							68	49	72				335	93	28
Eastwood Academy							73	73	100	14	7	50	625	239	38
Energized STEM HS SE													58	0	0
Energized STEM HS SW													438	3	1
Energy Inst HS							17	17	100	11	5	45	106	50	47
Furr HS							12	8	67				207	13	6
Houston International HS							53	38	72				328	61	19
Houston MST							122	86	70	9	2	22	1043	127	12
Jones HS							*	*	*				119	3	3
Jordan HS							11	10	91				302	22	7
Kashmere HS													87	0	0
Lamar HS													1655	200	12
Law Enfor Crim Justice HS							16	16	100	7	5	71	698	33	5
Lee HS							14	14	100	10	8	80	291	54	19
Leland Young Men's College Prep.							7	3	43				166	20	12
Liberty HS													15	9	60
Long Academy							*	*	*				*	*	*
Madison HS							55	36	65	20	6	30	525	42	8
Milby HS							54	53	98	5	2	40	557	85	15
Mount Carmel Academy													140	24	17
North Forest HS													87	1	1
North Houston Early College HS							77	75	97				511	107	21
Perf Vis Arts HS	*	*	*				15	14	93				590	410	69
REACH HS													*	*	*
Reagan HS							33	31	94	15	4	27	1408	132	9
Scarborough HS							5	4	80				233	8	3
Sharpstown HS							85	72	85	19	9	47	511	122	24
Sharpstown International							41	41	100	13	13	100	354	118	33
South EC HS													32	1	3
Sterling HS							11	9	82				328	10	3
Texas Connections Acad.							*	*	*				48	23	48
Waltrip HS							43	22	51				724	92	13
Washington HS							12	7	58				252	29	12
Westbury HS							78	63	81	36	20	56	1054	101	10
Westside HS	*	*	*				116	89	77	20	15	75	1812	745	41
Wheatley HS													109	1	1
Worthing HS													112	0	0
Yates HS													141	3	2
Young Women's College Prep							15	14	93				243	25	10
HISD Totals	8	8	100	14	6	43	1673	1424	85	290	184	63	25127	8277	33

Source: 2015 College Board AP datafile; retrieved August 14, 2015.

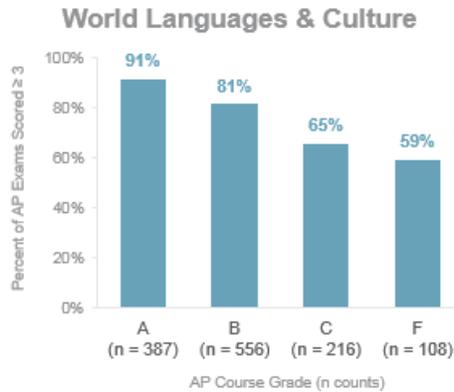
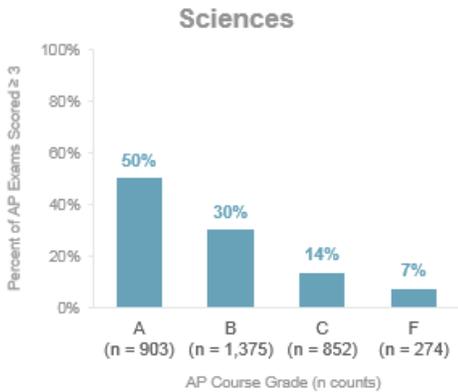
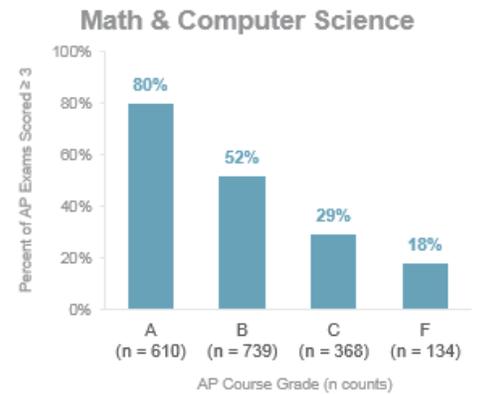
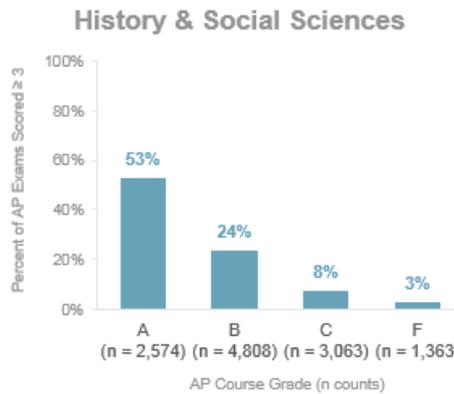
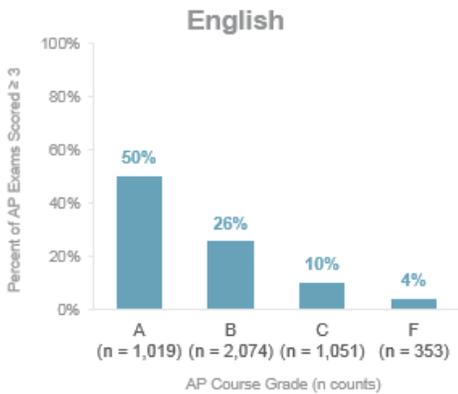
Notes: Table displays duplicated count of exams taken by students enrolled in grades 9–12 and by students with grade level not indicated (for three students). *Masked for # tested < 5..

Appendix D

AP Exam Performance by AP Course Grade, 9th - 12th grade, 2014–15



Grade Scale	
A	90-100
B	80-89
C	70-79
F	0-69



Course Grade Source: HISD Data Warehouse; retrieved August 31, 2015. AP Exam Score Source: 2015 College Board AP datafile; retrieved August 14, 2015.

Notes: AP courses and exams are linked--these graphs display AP Exams for which a corresponding AP course grade exists. Graph displays a duplicated count of AP courses/exams taken by students enrolled in grades 9-12.

Appendix E

AP Course and Exam Performance by Campus, 9th - 12th grade, 2014–15

Campus	AP Course			Take both AP Course & Exam			
	# Take	# Pass	% Pass	# Take	% Take	# AP Scores ≥ 3	% AP Scores ≥ 3
Advanced Virtual Academy	27	1	4	*	*	*	*
Austin HS	662	577	87	619	94	90	15
Beechnut Academy	27	1	4	*	*	*	*
Bellaire HS	2,234	2,175	97	2,103	94	1,623	77
Carnegie HS	1,800	1,732	96	1,754	97	1,276	73
Challenge HS	589	538	91	547	93	137	25
Chavez HS	1,209	1,035	86	1,137	94	277	24
Community Services	*	*	*	*	*	*	*
Davis HS	773	674	87	615	80	64	10
DeBaKey HS	1,299	1,252	96	1,264	97	1,130	89
East Early College HS	227	214	94	208	92	38	18
Eastwood Academy	631	618	98	614	97	234	38
Energized STEM HS SE	68	63	93	51	75	0	0
Energized STEM HS SW	513	448	87	404	79	1	0
Energy Inst HS	112	91	81	106	95	50	47
Furr HS	313	299	96	184	59	5	3
Houston International HS	301	242	80	263	87	22	8
Houston MST	1,234	999	81	1,028	83	124	12
JJAEP	*	*	*	*	*	*	*
Jones HS	128	105	82	118	92	2	2
Jordan HS	527	456	87	288	55	18	6
Kashmere HS	109	100	92	84	77	0	0
Lamar HS	1,676	1,344	80	1,427	85	162	11
Law Enfor Crim Justice HS	717	634	88	688	96	32	5
Lee HS	360	334	93	267	74	52	19
Leland Young Men's College Prep.	165	153	93	155	94	17	11
Liberty HS	5	1	20	*	*	*	*
Madison HS	659	537	81	519	79	40	8
Milby HS	566	520	92	521	92	63	12
Mount Carmel Academy	149	148	99	135	91	24	18
North Forest HS	163	151	93	79	48	1	1
North Houston Early College HS	474	384	81	449	95	55	12
Perf Vis Arts HS	601	595	99	576	96	398	69
REACH HS	*	*	*	*	*	*	*
Reagan HS	1,598	1,390	87	1,345	84	130	10
Scarborough HS	254	174	69	231	91	7	3
Sharpstown HS	539	470	87	492	91	117	24
Sharpstown International	421	400	95	*	*	*	*
South EC HS	31	24	77	*	*	*	*
Sterling HS	347	287	83	311	90	5	2
Texas Connections Acad.	15	13	87	*	*	*	*
Waltrip HS	757	677	89	681	90	74	11
Washington HS	261	224	86	234	90	22	9
Westbury HS	1,252	1,078	86	1,026	82	95	9
Westside HS	1,888	1,749	93	1,651	87	633	38
Wheatley HS	224	217	97	109	49	1	1
Worthing HS	140	97	69	107	76	0	0
Yates HS	192	155	81	133	69	3	2
Young Women's College Prep	251	224	89	241	96	24	10
HISD Totals	26,493	23,601	89	22,766	86	7,048	31

Course Source: HISD Data Warehouse; retrieved August 31, 2015. AP Exam Source: 2015 College Board AP datafile; retrieved August 14, 2015.
 Notes: AP courses and exams are linked--these graphs display a duplicated count of AP Exams taken by students enrolled in grades 9-12 for which a corresponding AP course grade exists. *Masked # students < 5. Bellaire and Lamar High Schools offer the International Baccalaureate (IB) Program in addition to Advanced Placement (AP).

Appendix F

AP Exam Participation and Performance by Exam and Campus, 8th grade, 2014–15

Campus	Chinese Language & Culture			Spanish Language & Culture			Total		
	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3	# Exams	# ≥ 3	% ≥ 3
Burbank MS				135	117	87	135	117	87
Clifton MS				15	14	93	15	14	93
Cullen MS				*	*	*	*	*	*
Hamilton MS				55	44	80	55	44	80
Henry MS				42	19	45	42	19	45
Hogg MS				17	16	94	17	16	94
Jackson MS				14	9	64	14	9	64
Johnston MS				42	42	100	42	42	100
Lanier MS	15	15	100	23	23	100	38	38	100
Long Academy				50	42	84	50	42	84
Pershing MS				16	16	100	16	16	100
Pin Oak MS				30	30	100	30	30	100
Revere MS				20	17	85	20	17	85
Rusk School				25	24	96	25	24	96
Westbriar MS				23	23	100	23	23	100
Wharton Academy				19	18	95	19	18	95
HISD Totals	15	15	100	527	455	86	542	470	87

Source: 2015 College Board AP datafile; retrieved August 14, 2015.

Notes: Table displays a duplicated count of exams taken by students enrolled in 8th grade only. *Masked # tested < 5.

Appendix G-1

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, 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, <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, and then 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.

Source: College Board. AP Scholar Awards. Retrieved from <http://professionals.collegeboard.com/k-12/awards/ap-scholar>.

Note: * State AP Scholar Awards were not available at the time of publication.

Appendix G-2

AP Scholar Awards Earned by Campus, 2013–14 and 2014–15

School	2013–14						2014–15						Change
	Scholar	Honor	Distinction	National	Total	School % of Total	Scholar	Honor	Distinction	National	Total	School % of Total	Total
Austin HS	3	0	0	0	3	0	2	0	0	0	2	0	-1
Bellaire HS	133	75	182	60	450	30	155	68	188	65	476	29	26
Carnegie HS	93	40	89	20	242	16	146	37	119	39	341	21	99
Challenge HS	33	5	12	0	50	3	32	6	7		45	3	-5
Chavez HS	36	10	4	1	51	3	43	5	4	1	53	3	2
Davis HS	8	0	0	0	8	1	9	0	0	0	9	1	1
DeBaKey HS	48	33	89	27	197	13	76	31	109	42	258	16	61
East Early College HS	6	0	0	0	6	0	7	0	1	0	8	0	2
Eastwood Academy	42	8	5	0	55	4	37	3	14	1	55	3	0
Energized STEM HS SE	0	0	0	0	0	0	0	0	0	0	0	0	0
Energized STEM HS SW	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Inst HS	0	0	0	0	0	0	0	0	0	0	0	0	0
Furr HS	0	0	1	0	1	0	1	0	0	0	1	0	0
Houston International HS	2	2	0	0	4	0	3	0	2	0	5	0	1
Houston MST	6	0	0	0	6	0	5	2	0	0	7	0	1
Jones HS	0	0	0	0	0	0	0	0	0	0	0	0	0
Jordan HS	1	0	0	0	1	0	3	0	0	0	3	0	2
Kashmere HS	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamar HS	25	7	4	0	36	2	25	3	4	0	32	2	-4
Law Enfor Crim Justice HS	5	1	0	0	6	0	4	2	0	0	6	0	0
Lee HS	9	0	0	0	9	1	7	1	1	0	9	1	0
Leland Young Men's College Prep.	1	0	0	0	1	0	2	0	1	0	3	0	2
Liberty HS	0	0	0	0	0	0	0	0	1	1	2	0	2
Long Academy	0	0	0	0	0	0	0	0	0	0	0	0	0
Madison HS	1	0	0	0	1	0	0	0	0	0	0	0	-1
Milby HS	14	1	0	0	15	1	9	0	1	0	10	1	-5
Mount Carmel Academy	1	0	0	0	1	0	3	0	0	0	3	0	2
North Forest HS	0	0	0	0	0	0	0	0	0	0	0	0	0
North Houston Early College HS	3	0	0	0	3	0	5	1	0	0	6	0	3
Perf Vis Arts HS	59	28	39	9	135	9	30	21	39	5	95	6	-40
REACH HS	0	0	0	0	0	0	0	0	0	0	0	0	0
Reagan HS	17	1	1	0	19	1	13	2	1	0	16	1	-3
Scarborough HS	2	0	0	0	2	0	1	0	0	0	1	0	-1
Sharpstown HS	6	0	0	0	6	0	6	0	2	0	8	0	2
Sharpstown International	9	0	1	1	11	1	9	1	2	0	12	1	1
South EC HS	0	0	0	0	0	0	0	0	0	0	0	0	0
Sterling HS	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas Connections Acad.	0	1	0	0	1	0	2	1	2	0	5	0	4
Waltrip HS	16	4	2	0	22	1	11	1	3	0	15	1	-7
Washington HS	1	0	0	0	1	0	3		0	0	3	0	2
Westbury HS	5	0	0	0	5	0	3	1	0	0	4	0	-1
Westside HS	90	18	43	14	165	11	96	25	29	5	155	9	-10
Wheatley HS	0	0	0	0	0	0	1	0	0	0	1	0	1
Worthing HS	1	0	0	0	1	0	0	0	0	0	0	0	-1
Yates HS	1	0	0	0	1	0	0	0	0	0	0	0	-1
Young Women's College Prep	1	0	0	0	1	0	1	0	0	0	1	0	0
HISD Totals	678	235	472	132	1,517		750	211	530	159	1,650		133

2014–15 Source: 2015 College Board AP datafile; retrieved August 14, 2015.

2013–14 Source: HISD Research and Accountability Department. Advanced Placement Report 2013–2014.

Note: State AP Scholar Awards were not available at the time of publication. Qualifying AP Exams are a cumulative count - not an annual count.