

MEMORANDUM

November 29, 2016

TO: Board Members

FROM: Richard A. Carranza
Superintendent of Schools

SUBJECT: **SAT RESULTS: CLASS OF 2016**

CONTACT: Carla Stevens, (713) 556-6700

The SAT results for the graduating class of 2016 have been released by the College Board and are provided in this report along with historical SAT data. The SAT consists of three subjects: Critical Reading, Mathematics, and Writing. Each subject is scored on a scale from 200 to 800. The highest composite score a student can earn is 2400.

Key findings include:

SAT Participation

- 9,563 students from the class of 2016 took the SAT, more than from any graduating class in the last seven years.
- Between 2010 and 2016, the number of students who took the SAT almost doubled, from 4,920 to 9,563.
- Economically disadvantaged student participation increased 43 percentage points from 2010 (46 percent) to 2016 (89 percent).
- White student participation has declined over the last four years, from 94 percent in 2013 to 77 percent in 2016.

SAT Performance

- Average scores for the HISD class of 2016 increased 5 points on Critical Reading and 4 points on Writing over the last 4 years.
- HISD Mathematics scores are higher, on average, than those for Critical Reading and Writing, which is consistent with data for Texas and the United States.
- Average SAT scores for HISD students remain lower than those of all students in Texas and the nation.
- The proportion of students who scored 500 or above on Critical Reading and Writing increased 2 and 1 percentage point from 2015 to 2016, but decreased 3 percentage points on the Mathematics test.

Administrative Response

The district is pleased to see that the class of 2016 experienced gains in performance levels on the SAT reading and writing sections and that overall participation has nearly doubled over the past six years. However, there is still a critical need to ensure that more students are successful on the exam. To do so, the Curriculum and Instruction Division will continue to increase the level of instructional rigor through the inclusion of explicitly-embedded SAT/ACT/post-secondary items into the district's Master Course lessons and will also provide coaching to teachers around these higher level thinking strategies. The Advanced Academics Department is also expanding more rigorous coursework, including Advanced Placement (AP) and International Baccalaureate

(IB), by expanding the number of campuses that offer advanced computer science courses as a way to ensure that students are challenged to think critically. Additionally, the Advanced Academics Department continues to sponsor AP Professional Learning Communities on district early release days to allow teachers to collaborate and share best practices.

Special populations are also being provided targeted interventions and supports to ensure that they are being prepared to excel on the SAT. The Office of Special Education Services is ensuring that more students with disabilities receive access to accommodations on the SAT. Training and education is being provided to campus staff on the College Board's accommodations request process. Additionally, directed support is being provided to campuses with historically low accommodation approval rates. As a result of the prescriptive interventions that are being provided, the district has seen an exponential increase in the number of students with disabilities who have been approved to receive accommodations on College Board assessments. The Multilingual Department is also ensuring that English language learners (ELL) are being set up for success by disseminating SAT testing information through efforts led by a College and Career Readiness Manager. These efforts include partnerships with high school English as a second language (ESL) teachers, strategic college tours throughout the year, presentations conducted at high schools, and one-on-one student conferences.

To provide students with opportunities to prepare for the SAT and PSAT, the College and Career Readiness Division launched an initiative called "You *Khan* Do It" that utilizes the online Khan Academy SAT preparation platform. Once a student links his/her College Board account to their Khan Academy account, a personalized SAT preparation curriculum is created based on his/her individual strengths and weaknesses (as assessed through their performance on the school day PSAT). The district is providing training and support so that campuses fully utilize this tool with their students. Already, some of the students who have used it have increased their SAT scores by hundreds of points.

The district is also promoting additional venues for students to meet state college readiness benchmarks (and thereby avoid having to take remedial level courses in college). These include the ACT and Texas Success Initiative (TSI) exams. The College and Career Readiness Division is looking into the possibility of administering the TSI college placement exam to eligible students during the school year and providing support and resources to students so that they can prepare for the exam. Similarly, the district is examining data to assess the potential benefits of administering the ACT to additional students. The ultimate goal is to provide students with multiple pathways for them to demonstrate college and career readiness.

Should you have any further questions, please contact Carla Stevens in Research and Accountability at (713) 556-6700.



RAC

Attachment

cc: Superintendent's Direct Reports
School Support Officers

Chief School Officers
High School Principals



RESEARCH

Educational Program Report

SAT RESULTS: CLASS OF 2016



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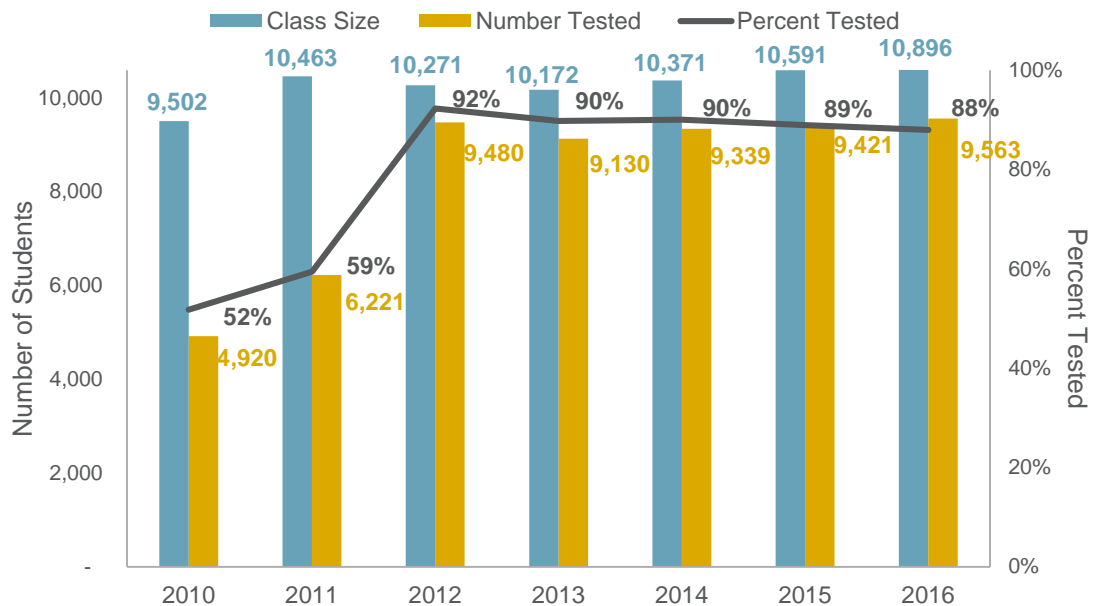
SAT Results: Class of 2016

The SAT is a college admissions exam that assesses student reasoning based on knowledge and skills developed in high school coursework. Colleges and universities use SAT scores to influence admissions decisions, recruit students, and predict performance in college courses. The SAT includes three subject tests: Critical Reading, Mathematics, and Writing.¹ Each subject is scored on a scale that ranges from a minimum of 200 to a maximum of 800. The highest composite score a student can earn is 2400. The SAT results for the graduating class of 2016 have been released by the College Board and are provided in this report, along with historical SAT data. *Students are included in the graduating class of the year they reported intending to graduate when taking the SAT, regardless of when they took the SAT test. This report includes students' latest (i.e., most recent) test score, not their highest score.*

SAT Participation

Beginning in spring 2011, Houston ISD partnered with the Texas Education Agency (TEA) and College Board to allow students to take the SAT during a school day at their home campus at no cost to the student. This increased SAT participation rates across the district by reducing the financial, logistical, and emotional burden on students and their families. SAT participation is illustrated in **Figure 1**.

Figure 1. HISD Class Size and SAT Participation, Class of 2010–2016



Sources: 2010–2014 Data: HISD Research and Accountability Department, SAT Results: Class of 2015;

2015–2016 Data: College Board District Highlights Report, 2016 College-Bound Seniors

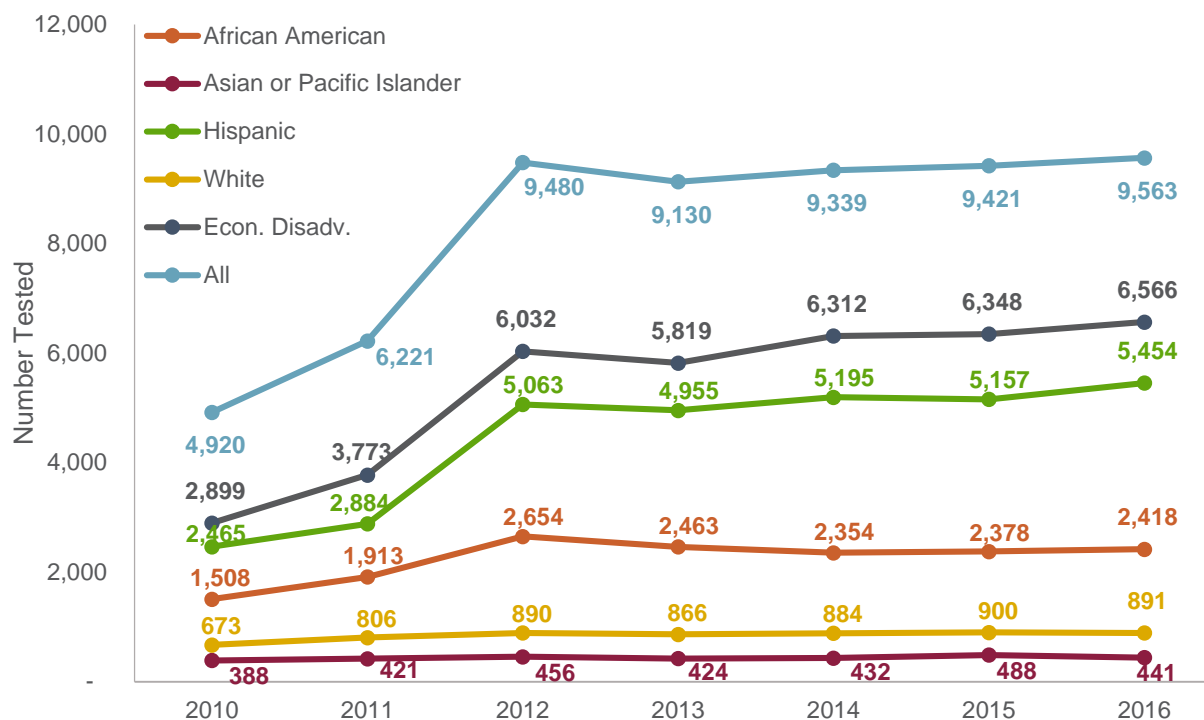
Notes: SAT School-Day results included.

- The number of testers in the class of 2016 (9,563) was the **highest** of the last seven years.
- The percentage of the class who tested (88%) was the **lowest** since the implementation of the school-day SAT program for the class of 2012.

¹ In March 2016, the College Board administered the first redesigned SAT exams that include 2 sections: 1) Evidence-Based Reading and Writing and 2) Math. This report does not include data from students who tested after March 2016.

Figure 2 illustrates the number of students tested in the four largest ethnic groups and students who are economically disadvantaged.

Figure 2. Number Tested by Student Group, Class of 2010–2016



Sources: 2010–2014 Data: HISD Research and Accountability Department, SAT Results: Class of 2015;
 2015–2016 Data: College Board District Highlights Report, 2016 College-Bound Seniors;
 Economic Disadvantage: HISD Data Warehouse, retrieved October 2016

Notes: SAT School-Day results included.

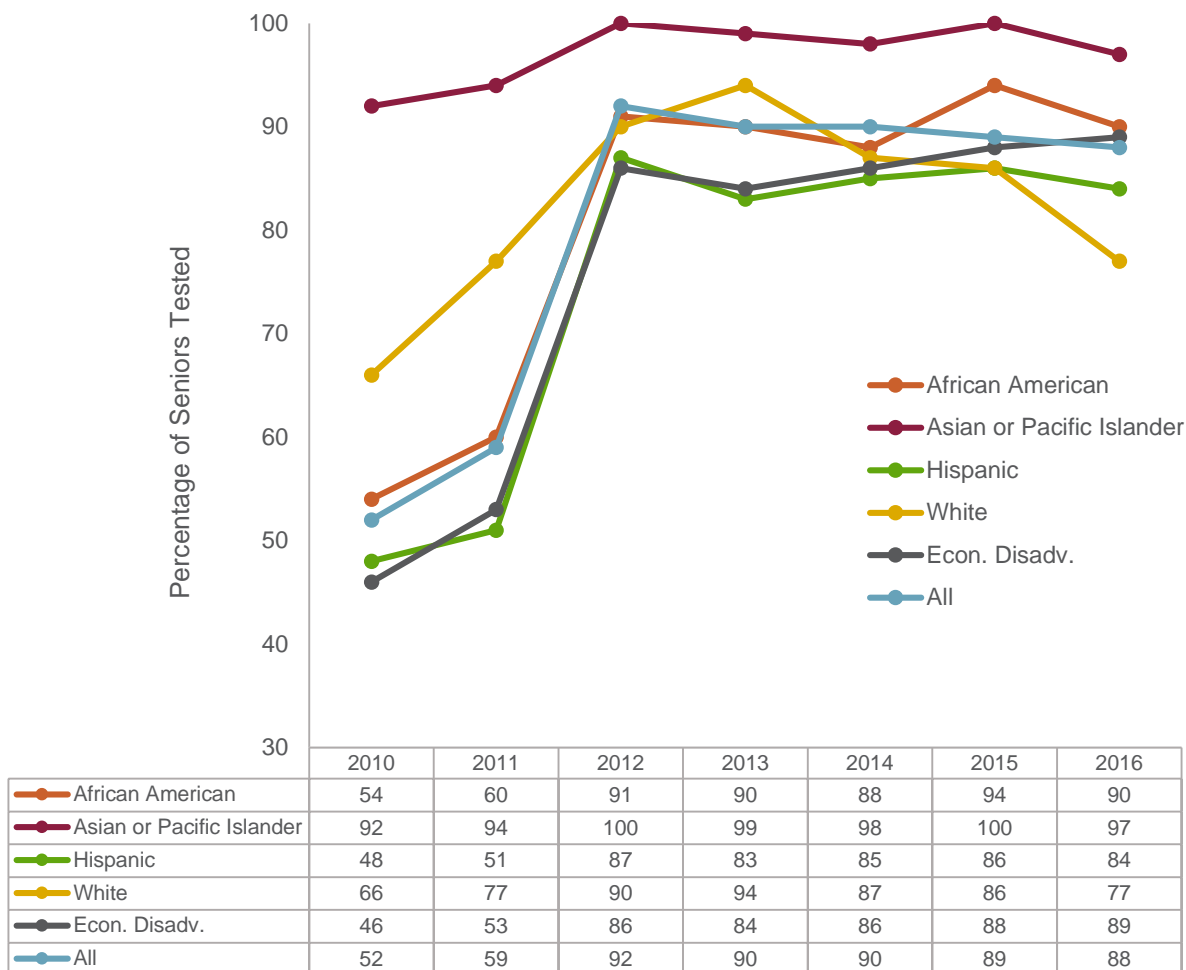
- From 2015 to 2016, the number of Hispanic and African American testers **increased** six percent (5,157 to 5,454) and two percent (2,378 to 2,418), respectively.
- From 2015 to 2016, the number of Asian and White testers **decreased** ten percent (488 to 441) and one percent (900 to 891), respectively.
- From 2010 to 2016, the number of economically disadvantaged and Hispanic testers **increased** 126 percent (2,899 to 6,566) and 121 percent (2,465 to 5,454), respectively.

Figure 3 (page 3) shows the percentage of students who took the SAT in the four largest ethnic groups and economically disadvantaged students.

- Between 2010 and 2016, the proportion of seniors taking the SAT **increased** for all students and each major student group.
- The group with the largest increase in participation was economically disadvantaged students, with participation increasing 43 percentage points (46% to 89%) from 2010 to 2016.

- From 2015 to 2016, the proportion of graduating students tested **decreased** for all groups except economically disadvantaged students. The largest decrease was in White students, with a drop of 9 percentage points (86% to 77%), returning to the pre-School-Day SAT level.

Figure 3. SAT Participation Rate by Student Group, Class of 2010–2016



Sources: 2010–2014 Data: HISD Research and Accountability Department, SAT Results: Class of 2015;
 2015–2016 Data: College Board District Highlights Report, 2016 College-Bound Seniors;
 Economic Disadvantage: HISD Data Warehouse, retrieved October 2016

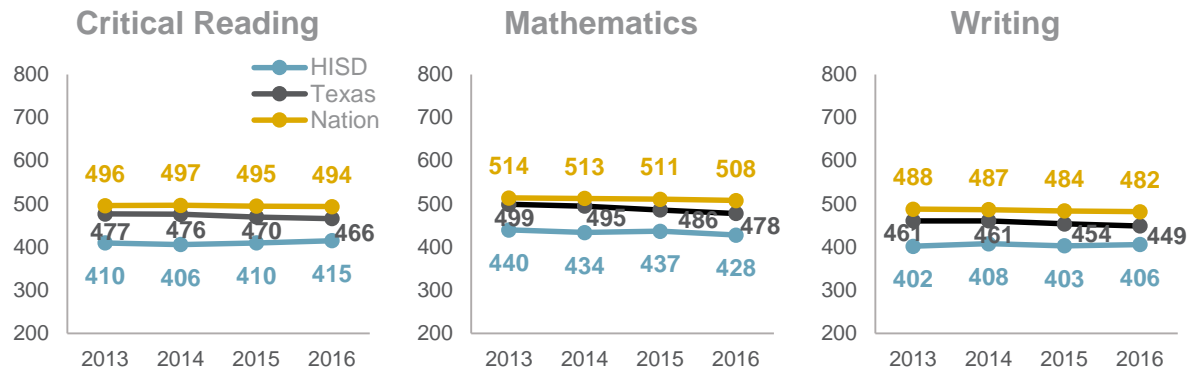
Notes: SAT School-Day results included.

SAT Performance

Average SAT scores for the classes from 2013–2016 in HISD, Texas, and the United States are illustrated in **Figure 4 (page 4)**.

- Average SAT scores for both Texas and the Nation have **declined** slightly since 2013 in all subject tests (composite scores decreased 44 and 14 points, respectively).
- However, average scores for HISD students have **increased** in Critical Reading and Writing during the same period (5 and 4 points, respectively).
- Average SAT scores among HISD seniors remain **lower** than those of students in Texas and the nation.

Figure 4. Average SAT Scores of HISD, Texas, and the Nation, Class of 2013–2016



Source: College Board District Highlights Report, 2016 College-Bound Seniors

Table 1 displays the number of students tested and average SAT scores by student group and subject for the classes of 2014, 2015, and 2016.

Student Group	Number Tested				Critical Reading				Mathematics				Writing			
	2014	2015	2016	Change from 2015	2014	2015	2016	Change from 2015	2014	2015	2016	Change from 2015	2014	2015	2016	Change from 2015
African American	2,356	2,378	2,418	40	384	388	391	3	399	402	391	-11	385	377	383	6
Asian or Pacific Isl.	434	488	441	-47	525	526	532	6	581	581	579	-2	531	527	533	6
Hispanic	5,203	5,157	5,454	297	384	389	397	8	419	423	415	-8	389	385	389	4
White	884	900	891	-9	539	540	535	-5	551	551	541	-10	527	521	521	0
Other	209	173	147	-26	451	438	445	7	457	448	446	-2	446	424	433	9
No Response	265	325	212	-113	339	358	393	35	377	381	396	15	343	350	373	23
Econ. Disadv.	6,312	6,348	6,566	218	381	387	393	6	413	419	408	-11	385	382	385	3
Non-Econ. Disadv.	2,576	2,683	2,644	-39	476	467	475	8	494	485	482	-3	473	457	465	8
Female	4,781	4,949	4,894	-55	410	413	418	5	431	430	423	-7	419	413	414	1
Male	4,559	4,472	4,669	197	401	406	412	6	437	445	433	-12	396	393	398	5
Total	9,351	9,421	9,563	142	406	410	415	5	434	437	428	-9	408	403	406	3

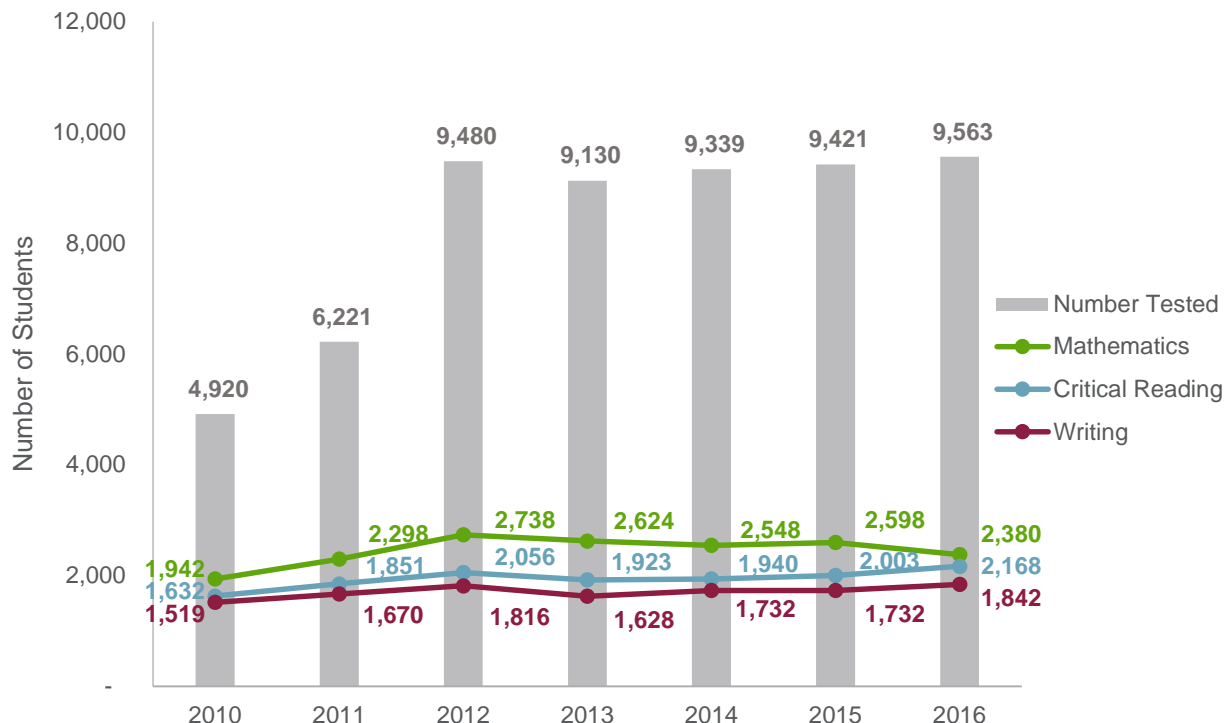
Sources: 2014 Data: HISD Research and Accountability Department, SAT Results: Class of 2015; 2015–2016 Data: College Board District Highlights Report, 2016 College-Bound Seniors; Economic Disadvantage: HISD Data Warehouse, retrieved October 2016

- Between 2015 and 2016, average SAT scores for all HISD seniors **increased** by five points in Critical Reading (410 to 415), **increased** by three points in Writing (403 to 406), and **decreased** by nine points in Mathematics (437 to 428).
- For the class of 2016, average scores for economically disadvantaged students were lower than non-disadvantaged students by 82 points in Critical Reading, 74 points in Mathematics, and 80 points in Writing.
- Scores on Critical Reading and Writing **increased** from 2015 to 2016 between 3 and 9 points for each ethnicity group except for White students, whose scores decreased by 5 points in Critical Reading and did not change in Writing.
- Mathematics scores **decreased** from 2015 to 2016 for all reported ethnicity groups, between 2 and 11 points.

- Average scores for females were higher than those for males in Critical Reading (between 6 and 9 points) and Writing (between 16 and 23 points), but lower in Mathematics (between 6 and 15 points), consistent across all three years.

The Texas Success Initiative defines “college ready” performance on the SAT as scoring 500 or better on both the Mathematics and Critical Reading tests². **Figure 5** shows the number of HISD students who scored a 500 or better on each subject.

Figure 5. HISD Students with SAT Subject Scores \geq 500, by Subject, Class of 2010–2016



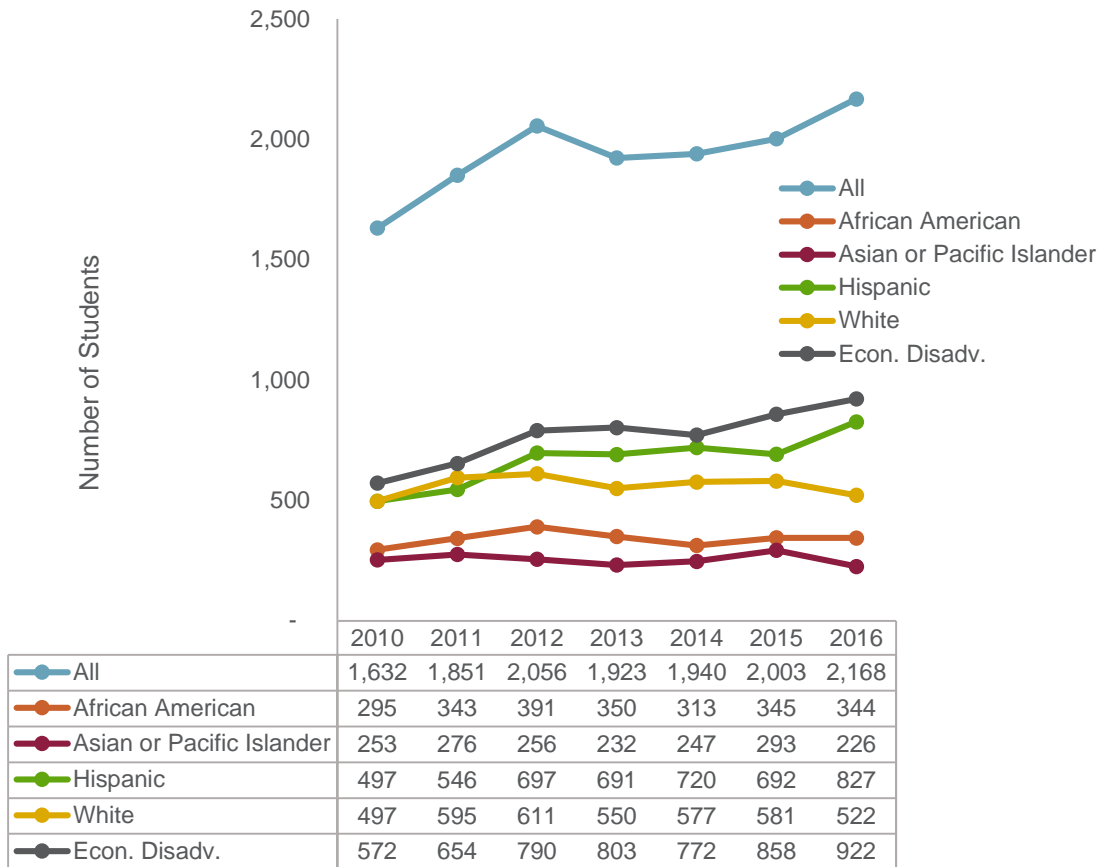
Sources: 2010–2014 Data: HISD Research and Accountability Department, SAT Results: Class of 2015;
 2015–2016 Data: College Board District Highlights Report, 2016 College-Bound Seniors
 Notes: SAT School-Day results included.

- The class of 2016 had 165 more students score 500 or better than the previous year on Critical Reading (2,003 to 2,168), 110 more on Writing (1,732 to 1,842), and 218 fewer on Mathematics (2,598 to 2,380).
- 25 percent of tested students scored 500 or better on the Mathematics test, the **lowest** of the last seven years.
- 23 percent of tested students scored 500 or better on Critical Reading, the **highest** percentage since the school day SAT program began for the class of 2012.
- 19 percent of students scored 500 or better on the Writing test, consistent with the past five years.

² From the Texas Administrative Code:
<http://www.theceb.state.tx.us/reports/PDF/8136.PDF?CFID=50211241&CFTOKEN=89437677>

Figures 6 (page 6), 7 (page 7), and 8 (page 8) show the number of students who scored at or above a 500 on the Critical Reading, Mathematics, and Writing tests, broken down by student group.

Figure 6. HISD Students with Critical Reading Scores \geq 500, by Student Group, Class of 2010–2016

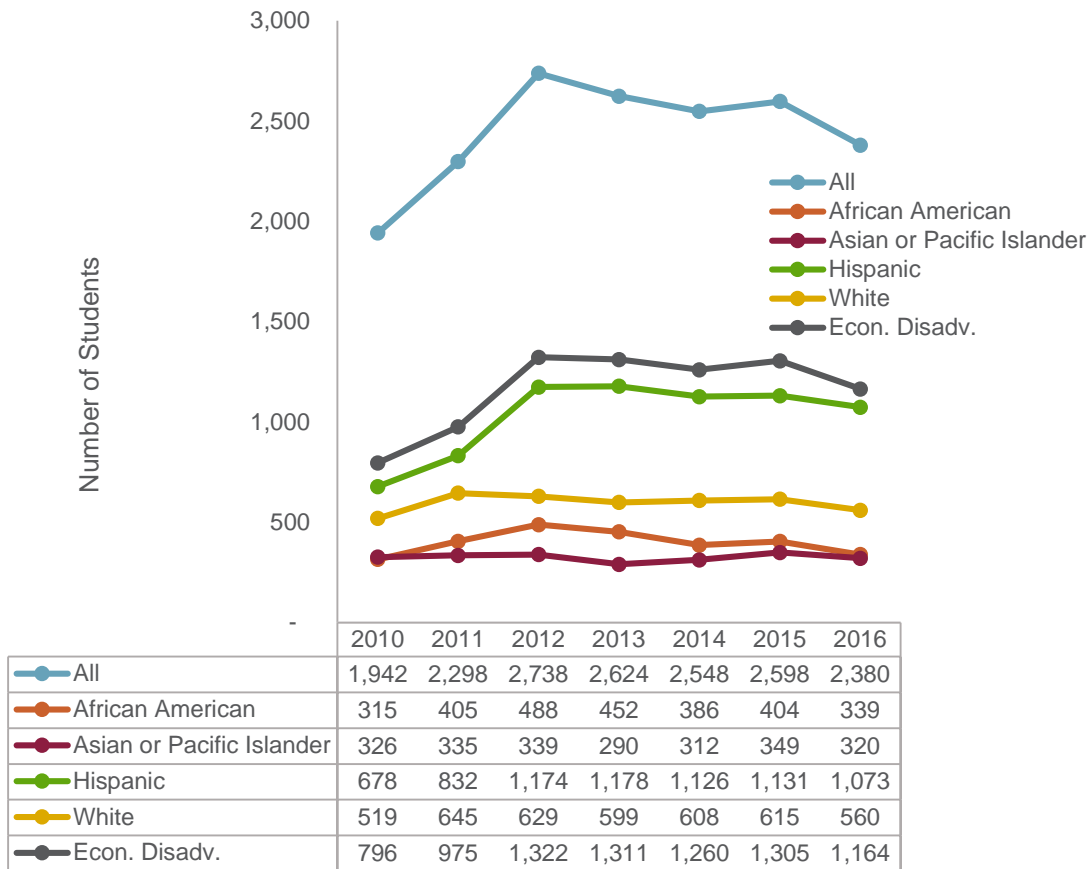


Sources: 2010–2014 Data: HISD Research and Accountability Department, SAT Results: Class of 2015;
 2015 Data: College Board 2015 SAT datafile;
 2016 Data: College Board 2016 SAT datafile;
 Economic Disadvantage: HISD Data Warehouse, retrieved October 2016

Notes: SAT School-Day results included.

- The number of Hispanic students in 2016 who scored 500 or above on Critical Reading **increased** by 20 percent over 2015, from 692 to 827. From 2010, this group showed a 66 percent increase.
- The number of Asian or Pacific Islander students scoring 500 or above **decreased** by 23 percent, from 293 to 226.
- The percentage of testers scoring 500 or above on Critical Reading for White and Asian or Pacific Islander students was the lowest in the last seven years (59% and 51%, respectively, see **Table 1** for tested student counts).

Figure 7. HISD Students with Mathematics Scores \geq 500, by Student Group, Class of 2010–2016

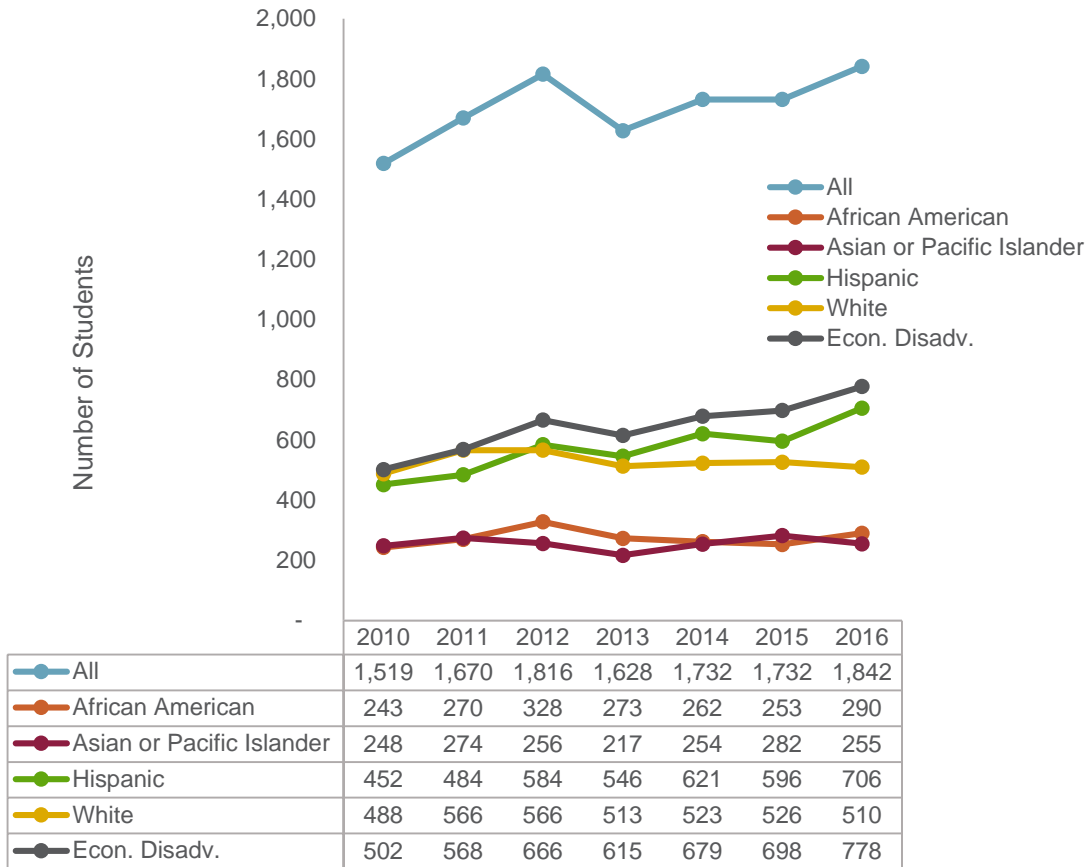


Sources: 2010–2014 Data: HISD Research and Accountability Department, SAT Results: Class of 2015;
 2015 Data: College Board 2015 SAT datafile;
 2016 Data: College Board 2016 SAT datafile;
 Economic Disadvantage: HISD Data Warehouse, retrieved October 2016

Notes: SAT School-Day results included.

- The number of students in the class of 2016 scoring at or above 500 on the mathematics test was **lower** for all student groups than in 2015. However, compared to 2010, **increases** were seen for all groups except Asian and Pacific Islanders.
- The proportion of testers scoring 500 or better was the lowest in the last seven years for all groups except Asian or Pacific Islanders (African American, 14%; Asian or Pacific Islander, 73%; Hispanic, 20%; White, 63%; Economically Disadvantaged, 18%; see **Table 1** for tested student counts).

Figure 8. HISD Students with Writing Scores \geq 500, by Student Group, Class of 2010–2016

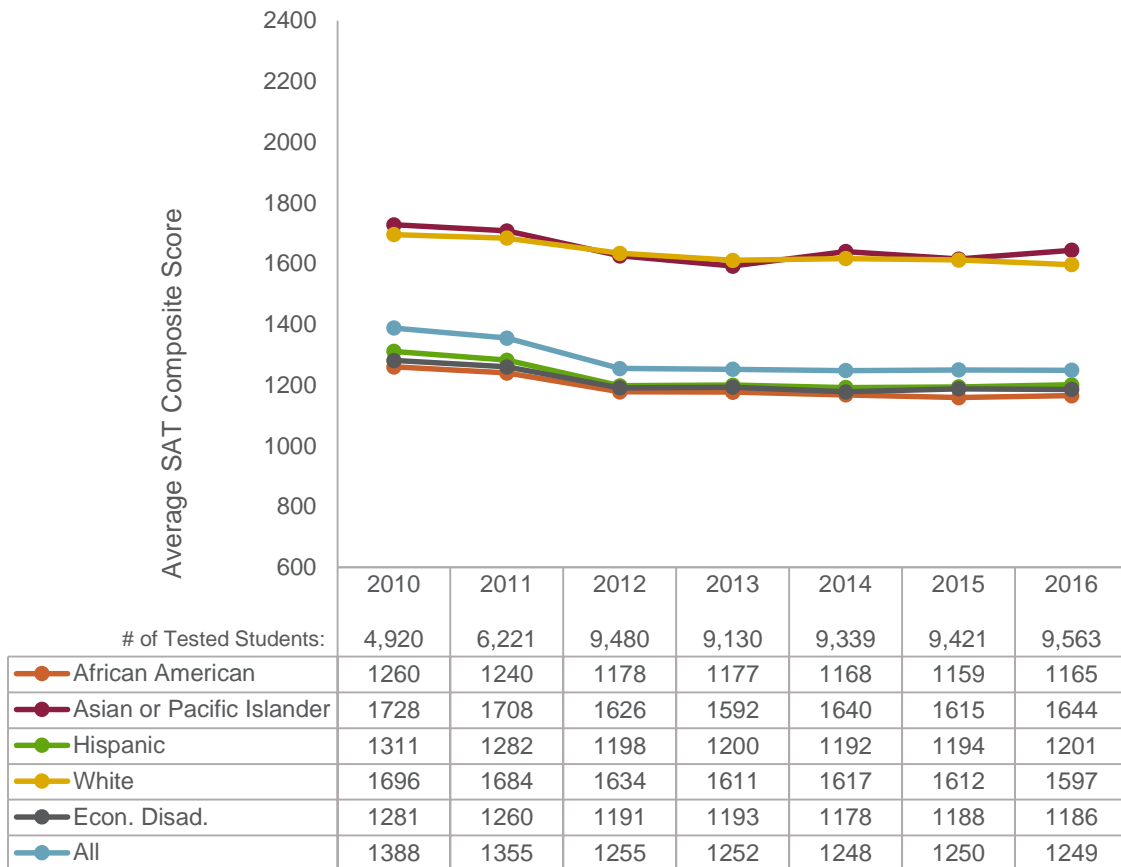


Sources: 2010–2014 Data: HISD Research and Accountability Department, SAT Results: Class of 2015;
 2015 Data: College Board 2015 SAT datafile;
 2016 Data: College Board 2016 SAT datafile;
 Economic Disadvantage: HISD Data Warehouse, retrieved October 2016

Notes: SAT School-Day results included.

- The number of Hispanic students achieving a score of 500 or better on the Writing test **increased 18 percent** from 2015 (596 students) to 2016 (706 students), and was the largest number of Hispanic students scoring 500 or better in the last seven years.
- Compared to 2010, all groups experienced **increases** in the number of students scoring 500 or better in Writing.
- A **greater percentage** of African American, Hispanic, and Economically Disadvantaged testers in the class of 2016 (12%, 13%, and 12%, respectively) scored at or above 500 compared to the class of 2015 (11%, 12%, and 11%, respectively). See **Table 1** for tested student counts.

Figure 9. Average SAT Composite Scores by Student Group, Class of 2010–2016



Sources: 2010–2014 Data: HISD Research and Accountability Department, SAT Results: Class of 2015;
 2015 Data: College Board 2015 SAT datafile;
 2016 Data: College Board 2016 SAT datafile;
 Economic Disadvantage: HISD Data Warehouse, retrieved October 2016

Notes: SAT School-Day results included.

Figure 9 shows the average composite score (total for all three subject tests) for all students and student groups from 2010 through 2016.

- Scores for African American, Asian or Pacific Islander, and Hispanic testers **increased** for the class of 2016 compared to 2015 (6, 29, and 7 points, respectively). Scores for White students and economically disadvantaged students decreased (15 points and 2 points, respectively).
- Since the beginning of the school-day SAT program in for the class of 2012, the average composite score for Asian or Pacific Islander and Hispanic students has **increased** (18 points and 3 points, respectively). During that same period, the average composite score for students in the state of Texas decreased 41 points³.

³ From College Board District Highlights Report: Class of 2016

Table 2. Average SAT Composite Scores by Campus, Class of 2015 and 2016

Campus	Number Tested			Average SAT Composite Score			% College Ready		
	2015	2016	Change from 2015	2015	2016	Change from 2015	2015	2016	Change from 2015
Austin HS	300	328	28	1109	1087	-23	3	2	-1
Beechnut Acad	19	14	-5	1080	1041	-39	5	0	-5
Bellaire HS	685	826	141	1532	1495	-37	41	35	-7
Carnegie HS	144	152	8	1948	1930	-17	96	94	-2
Challenge EC	111	118	7	1596	1517	-79	47	33	-14
Chavez HS	629	620	-9	1195	1164	-32	6	4	-2
DeBakey HS	199	188	-11	1895	1910	16	87	91	5
East EC HS	111	100	-11	1430	1461	31	19	27	8
Eastwood Acad	108	90	-18	1373	1478	105	19	30	11
E-STEM Central HS	8	6	-2	1223	1415	193	0	17	17
E-STEM West HS	29	55	26	1160	1309	149	7	15	8
Furr HS	171	178	7	1124	1096	-28	2	3	0
Heights HS	452	513	61	1207	1249	43	7	7	1
Hope Acad	14	0	-14	1014			0		
Hou Acad. Intl.	110	102	-8	1362	1417	54	13	16	3
Houston MSTC HS	427	449	22	1071	1070	-1	3	2	0
HS Perf. Vis. Arts	175	161	-14	1693	1745	52	61	63	2
Jones HS	81	15	-66	992	1281	289	0	7	7
Jordan HS	181	186	5	1169	1144	-25	2	3	2
Kashmere HS	84	91	7	1029	990	-39	1	0	-1
Lamar HS	806	633	-173	1427	1414	-13	29	28	0
Law Enf. CJHS	113	138	25	1300	1294	-6	7	7	0
Leland YMCPA	24	13	-11	1430	1408	-21	17	31	14
Liberty HS	21	30	9	1003	891	-113	0	0	0
Long Acad	0	60	60		1205			3	
Madison HS	352	355	3	1052	1071	19	1	1	0
Mid Coll - Fraga	0	19	19		1021			0	
Mid Coll - Gulfton	0	24	24		921			0	
Milby HS	382	298	-84	1103	1137	34	3	4	1
Mount Carmel Acad	72	89	17	1278	1307	29	11	7	-4
N. Houston ECHS	93	97	4	1388	1324	-63	14	8	-6
North Forest HS	182	180	-2	1007	981	-26	1	0	-1
Northside HS	355	323	-32	1133	1104	-29	3	3	0
Reach HS	31	16	-15	925	809	-115	0	0	0
Scarborough HS	114	131	17	1147	1115	-31	4	4	-1
Sharpstown HS	293	282	-11	1102	1119	17	2	3	1
Sharpstown Intl	114	135	21	1192	1235	43	3	4	1
South EC HS	23	20	-3	1319	1258	-61	9	10	1
Sterling HS	139	178	39	1033	1015	-18	2	0	-2
Tx Conn. Acad	82	128	46	1523	1468	-55	41	32	-9
Waltrip HS	296	370	74	1186	1174	-12	5	7	2
Washington HS	125	93	-32	1148	1174	26	5	6	2
Westbury HS	445	379	-66	1066	1085	20	1	1	1
Westside HS	567	638	71	1357	1353	-4	23	23	0
Wheatley HS	158	126	-32	1012	1012	0	1	1	0
Wisdom HS	295	286	-9	1057	1054	-3	2	4	2
Worthing HS	101	100	-1	1013	1001	-12	0	2	2
Yates HS	147	194	47	1064	1070	6	0	1	1
YWCPA	53	36	-17	1312	1318	6	9	3	-7
HISD Totals	9,421	9,563	142	1250	1249	-1	15	15	0

Sources: 2015 Data: College Board 2015 SAT datafile;
2016 Data: College Board 2016 SAT datafile

Notes: SAT School-Day results included.

College Ready is defined as Mathematics and Critical Reading scores ≥ 500 and total 1070 combined

Table 2 (page 10) shows the number of students tested and average SAT composite score by campus for students in the classes of 2015 and 2016.

- Bellaire HS, Waltrip HS, and Westside HS had the greatest increase in the number of seniors taking the SAT, with increases of 141, 74, and 71 students, respectively.
- Carnegie HS had the highest average SAT composite score in both 2015 and 2016. The greatest increase in average score was 289 points at Jones HS.
- Carnegie HS and DeBakey HS had the highest percentage of testers meet the College-Ready criteria (Math and Reading scores of 500 or better and 1070 combined) with 94 and 91 percent, respectively.

Table 3 (page 12) shows the average SAT score for each subject by campus for students in the classes of 2015 and 2016.

- Carnegie HS had the highest average score on both Critical Reading and Writing. DeBakey HS had the highest average score on Mathematics.
- Jones HS and E-STEM West HS had the greatest increase in average Critical Reading scores, improving 99 and 79 points, respectively.
- Jones HS and E-STEM Central HS had the greatest increase in average scores on both Mathematics (86 and 68 points, respectively) and Writing (104 and 63 points, respectively).

District, state, and national performance data by student groups for the classes of 2014 through 2016 are presented in **Tables A1–3** in the Appendix. **Tables A4 and A5** in the Appendix present the campus-level performance data for all campuses whose students took the SAT for 2015 and 2016, organized by school board district.

Conclusion

Between 2010 and 2016, the number of HISD students who have taken the SAT has almost doubled. The percentage of economically disadvantaged students who take the SAT today is almost twice the percentage in 2010. Since the implementation of the school-day SAT administration in 2012, however, there has been a slow decline in SAT participation rates for all students. The drop has been particularly sharp for White students, with rates now equal to 2011.

While participation rates are decreasing, performance on the SAT, as measured by average composite score, has remained fairly flat in the last four years. The number of students achieving above-average scores on the Critical Reading and Writing tests has increased, but mathematics achievement has declined. Gaps in performance persist between ethnic and economic groups, as well. Average SAT composite scores for African American and Hispanic students are 400 points lower than Asian or Pacific Islander and White students; a 236-point gap exists between economically disadvantaged and non-economically-disadvantaged students.

Table 3: Average SAT Scores by Campus, Classes of 2010, 2015, and 2016															
Campus	Number Tested			Critical Reading			Mathematics			Writing			Composite		
	2010	2015	2016	2010	2015	2016	2010	2015	2016	2010	2015	2016	2010	2015	2016
Austin HS	154	300	328	378	353	357	419	402	382	372	355	348	1169	1109	1087
Beechnut Acad	0	19	14		351	352		386	364		343	324		1080	1041
Bellaire HS	540	685	826	566	505	499	593	525	510	570	502	486	1729	1532	1495
Carnegie HS	65	144	152	609	654	644	610	666	653	582	628	633	1801	1948	1930
Challenge EC	89	111	118	494	536	513	499	544	506	497	517	498	1490	1596	1517
Chavez HS	249	629	620	409	389	384	436	420	404	406	386	376	1251	1195	1164
DeBaKey HS	174	199	188	592	615	621	643	655	658	594	625	631	1829	1895	1910
East EC HS	50	111	100	501	455	481	515	521	505	493	455	475	1509	1430	1461
Eastwood Acad	54	108	90	463	444	479	492	486	522	452	443	477	1407	1373	1478
E-STEM Central HS	0	8	6		415	477		404	472		404	467		1223	1415
E-STEM West HS	0	29	55		358	437		416	467		386	405		1160	1309
Furr HS	59	171	178	414	372	361	416	394	378	399	358	356	1229	1124	1096
Heights HS	141	452	513	423	395	416	448	424	429	418	387	405	1289	1207	1249
Hope Acad	0	14	0		324			366			324			1014	
Hou Acad. Intl.	30	110	102	430	455	477	441	468	469	432	439	470	1303	1362	1417
Houston MSTC HS	196	427	449	393	339	349	417	391	374	394	342	348	1204	1071	1070
HS Perf. Vis. Arts	122	175	161	576	571	588	545	562	579	561	560	578	1682	1693	1745
Jones HS	53	81	15	382	324	423	376	353	439	372	316	419	1130	992	1281
Jordan HS	92	181	186	405	372	377	417	420	396	412	377	371	1234	1169	1144
Kashmere HS	34	84	91	375	337	336	400	365	327	381	327	327	1156	1029	990
Lamar HS	431	806	633	523	479	476	533	486	475	515	462	463	1571	1427	1414
Law Enf. CJHS	76	113	138	467	427	427	468	447	442	455	426	425	1390	1300	1294
Leland YMCPA	0	24	13		474	458		503	484		453	467		1430	1408
Liberty HS	0	21	30		320	286		388	335		295	269		1003	891
Long Acad	0	0	60			393			424			388			1205
Madison HS	190	352	355	394	345	361	417	367	361	401	340	348	1212	1052	1071
Mid Coll - Fraga	0	0	19			345			340			335			1021
Mid Coll - Gulfton	0	0	24			313			320			288			921
Milby HS	193	382	298	416	355	377	445	394	389	406	354	370	1267	1103	1137
Mount Carmel Acad	0	72	89		431	430		431	439		415	438		1278	1307
N. Houston ECHS	0	93	97		447	440		485	458		456	426		1388	1324
North Forest HS	0	182	180		334	325		347	329		326	327		1007	981
Northside HS	139	355	323	399	365	361	433	406	382	394	362	362	1226	1133	1104
Reach HS	6	31	16	327	307	257	302	319	275	303	299	278	932	925	809
Scarborough HS	76	114	131	416	375	372	429	411	380	431	361	363	1276	1147	1115
Sharpstown HS	186	293	282	383	358	365	424	393	393	388	352	360	1195	1102	1119
Sharpstown Intl	0	114	135		386	401		418	431		388	402		1192	1235
South EC HS	0	23	20		435	407		451	431		433	421		1319	1258
Sterling HS	76	139	178	393	345	337	394	354	345	396	335	333	1183	1033	1015
Tx Conn. Acad	0	82	128		532	511		506	487		485	470		1523	1468
Waltrip HS	154	296	370	460	385	386	466	421	408	450	380	380	1376	1186	1174
Washington HS	108	125	93	439	369	388	453	420	400	425	360	386	1317	1148	1174
Westbury HS	183	445	379	412	350	364	426	373	370	413	342	351	1251	1066	1085
Westside HS	438	567	638	494	451	451	518	472	467	483	434	435	1495	1357	1353
Wheatley HS	85	158	126	362	328	336	372	356	342	362	328	333	1096	1012	1012
Wisdom HS	205	295	286	398	337	347	436	381	366	390	338	341	1224	1057	1054
Worthing HS	106	101	100	374	339	334	385	354	342	375	320	325	1134	1013	1001
Yates HS	96	147	194	388	352	361	401	371	357	399	342	352	1188	1064	1070
YWCPA	0	53	36		430	446		457	447		425	425		1312	1318
HISD Totals	4,920	9,421	9,563	457	410	415	477	437	428	454	403	406	1388	1250	1249
Texas	148,102	193,768	196,028	484	470	466	505	486	478	473	454	449	1462	1410	1393
Nation	1,547,990	1,698,521	1,637,589	501	495	494	516	511	508	492	484	482	1509	1490	1484

Sources: 2010 Data: HISD Research and Accountability: SAT: Class of 2010;
2015 Data: College Board 2015 SAT datafile;
2016 Data: College Board 2016 SAT datafile

Notes: SAT School-Day results included.
Schools with no testers in the class of 2015 or 2016 are not included.

Appendix

Table A-1. Class of 2016 Mean SAT Scores by Student Group: District, State, and Nation

Group	HISD			Texas			Nation								
	N Tested	% Tested	Reading	Math	Writing	N Tested	% Tested	Reading	Math	Writing	N Tested	% Tested	Reading	Math	Writing
American Indian	23	<1	420	407	409	995	1	476	507	471	7,778	<1	468	471	447
Asian or Pacific Islander	441	5	532	579	533	13,211	7	533	581	524	197,167	12	533	606	538
African American	2,418	26	391	391	383	25,155	13	422	436	408	199,306	12	430	425	415
Hispanic	5,454	60	397	415	389	84,169	43	442	463	425	355,829	22	448	453	436
White	891	10	535	541	521	62,656	32	530	540	504	742,436	45	528	533	511
Other	147	2	450	453	437	3,898	2	494	495	470	49,064	3	505	511	489
No Response	212	2	393	396	373	5,944	3	430	475	444	84,070	5	451	501	452
Econ. Disadv.	6,566	72	393	408	385	--	--	--	--	--	--	--	--	--	--
Non-Econ. Disadv.	2,644	29	475	482	465	--	--	--	--	--	--	--	--	--	--
Female	4,894	54	418	423	414	99,974	51	465	467	455	867,922	53	493	494	487
Male	4,669	51	412	433	398	96,054	49	468	490	442	769,667	47	495	524	475
Total	9,563	100	415	428	406	196,028	100	466	478	449	1,637,589	100	494	508	482

Sources: HISD Data: College Board 2016 SAT datafile;

Texas and National Data: College Board District Highlights Report, 2016 College-Bound Seniors

Table A-2. Class of 2015 Mean SAT Scores by Student Group: District, State, and Nation

Group	HISD			Texas			Nation								
	N Tested	% Tested	Reading	Math	Writing	N Tested	% Tested	Reading	Math	Writing	N Tested	% Tested	Reading	Math	Writing
American Indian	24	<1	424	438	429	1,202	1	484	491	459	10,031	1	481	482	460
Asian or Pacific Islander	488	5	526	581	527	13,500	7	533	582	525	211,238	12	525	598	531
African American	2,378	25	388	402	377	26,626	14	420	428	406	219,018	13	431	428	418
Hispanic	5,157	55	389	423	385	77,217	40	430	451	419	322,873	19	449	456	439
White	900	10	540	551	521	67,919	35	524	533	501	800,236	47	529	534	513
Other	149	2	440	450	423	3,428	2	493	499	474	65,063	4	490	519	487
No Response	325	3	358	381	350	3,876	2	405	421	396	70,062	4	434	492	436
Econ. Disadv.	6,348	67	387	419	382	--	--	--	--	--	--	--	--	--	--
Non-Econ. Disadv.	2,683	28	467	485	457	--	--	--	--	--	--	--	--	--	--
Female	4,949	53	413	430	413	103,753	54	468	474	459	903,719	53	493	496	490
Male	4,472	47	406	445	393	90,015	46	472	500	448	794,802	47	497	527	478
Total	9,421	100	410	437	403	193,768	100	470	486	454	1,698,521	100	495	511	484

Sources: HISD Data: College Board 2016 SAT datafile;

Texas and National Data: College Board District Highlights Report, 2016 College-Bound Seniors

Table A-3. Class of 2014 Mean SAT Scores by Student Group: District, State, and Nation

Group	HISD			Texas			Nation								
	N Tested	% Tested	Reading	Math	Writing	N Tested	% Tested	Reading	Math	Writing	N Tested	% Tested	Reading	Math	Writing
American Indian	28	<1	418	432	411	1,066	1	494	499	469	9,767	1	483	484	461
Asian or Pacific Islander	432	5	526	582	532	12,781	7	531	587	528	206,564	12	523	598	530
African American	2,354	25	384	399	385	24,668	14	424	436	412	212,524	13	431	429	418
Hispanic	5,195	56	384	419	389	67,678	38	434	458	425	300,357	18	451	459	443
White	884	9	539	551	527	67,124	37	526	537	503	822,821	49	529	534	513
Other	181	2	456	461	451	3,327	2	500	507	484	64,774	4	493	520	491
No Response	265	3	339	377	343	2,389	1	438	450	421	55,588	3	434	499	438
Econ. Disadv.	6,312	67	381	413	385	--	--	--	--	--	--	--	--	--	--
Non-Econ. Disadv.	2,576	27	476	494	473	--	--	--	--	--	--	--	--	--	--
Female	4,780	51	411	431	419	95,548	53	473	483	466	888,825	53	495	499	492
Male	4,559	49	401	437	396	83,488	47	476	495	461	783,570	47	499	530	481
Total	9,339	100	406	434	408	179,036	100	476	195	461	1,672,395	100	497	513	487

Source: HISD Research and Accountability Department, SAT Results: Class of 2015

Table A-4. Average SAT Composite Scores by Board District and Campus, Class of 2015 and 2016

Campus	Board Dist	Number Tested			Average SAT Composite Score			% College Ready		
		2015	2016	Change from 2015	2015	2016	Change from 2015	2015	2016	Change from 2015
Heights HS	Dist I	452	513	61	1207	1249	43	7	7	1
Houston MSTC HS	Dist I	427	449	22	1071	1070	-1	3	2	0
N. Houston ECHS	Dist I	93	97	4	1388	1324	-63	14	8	-6
Northside HS	Dist I	355	323	-32	1133	1104	-29	3	3	0
Scarborough HS	Dist I	114	131	17	1147	1115	-31	4	4	-1
Waltrip HS	Dist I	296	370	74	1186	1174	-12	5	7	2
Jordan HS	Dist II	181	186	5	1169	1144	-25	2	3	2
Kashmere HS	Dist II	84	91	7	1029	990	-39	1	0	-1
Leland YMCPA	Dist II	24	13	-11	1430	1408	-21	17	31	14
North Forest HS	Dist II	182	180	-2	1007	981	-26	1	0	-1
Washington HS	Dist II	125	93	-32	1148	1174	26	5	6	2
Wheatley HS	Dist II	158	126	-32	1012	1012	0	1	1	0
Chavez HS	Dist III	629	620	-9	1195	1164	-32	6	4	-2
Milby HS	Dist III	382	298	-84	1103	1137	34	3	4	1
Mount Carmel Acad	Dist III	72	89	17	1278	1307	29	11	7	-4
DeBakey HS	Dist IV	199	188	-11	1895	1910	16	87	91	5
Hou Acad. Intl.	Dist IV	110	102	-8	1362	1417	54	13	16	3
Jones HS	Dist IV	81	15	-66	992	1281	289	0	7	7
Sterling HS	Dist IV	139	178	39	1033	1015	-18	2	0	-2
Yates HS	Dist IV	147	194	47	1064	1070	6	0	1	1
YWCPA	Dist IV	53	36	-17	1312	1318	6	9	3	-7
Beechnut Acad	Dist V	19	14	-5	1080	1041	-39	5	0	-5
Bellaire HS	Dist V	685	826	141	1532	1495	-37	41	35	-7
Challenge EC	Dist V	111	118	7	1596	1517	-79	47	33	-14
E-STEM Central HS	Dist V	8	6	-2	1223	1415	193	0	17	17
E-STEM West HS	Dist V	29	55	26	1160	1309	149	7	15	8
HS Perf. Vis. Arts	Dist V	175	161	-14	1693	1745	52	61	63	2
Long Acad	Dist V	0	60	60		1205			3	
Sharpstown HS	Dist VI	293	282	-11	1102	1119	17	2	3	1
Sharpstown Intl	Dist VI	114	135	21	1192	1235	43	3	4	1
Westside HS	Dist VI	567	638	71	1357	1353	-4	23	23	0
Lamar HS	Dist VII	806	633	-173	1427	1414	-13	29	28	0
Liberty HS	Dist VII	21	30	9	1003	891	-113	0	0	0
Mid Coll - Gulfon	Dist VII	0	24	24		921			0	
Wisdom HS	Dist VII	295	286	-9	1057	1054	-3	2	4	2
Austin HS	Dist VIII	300	328	28	1109	1087	-23	3	2	-1
Carnegie HS	Dist VIII	144	152	8	1948	1930	-17	96	94	-2
East EC HS	Dist VIII	111	100	-11	1430	1461	31	19	27	8
Eastwood Acad	Dist VIII	108	90	-18	1373	1478	105	19	30	11
Furr HS	Dist VIII	171	178	7	1124	1096	-28	2	3	0
Law Enf. CJHS	Dist VIII	113	138	25	1300	1294	-6	7	7	0
Mid Coll - Fraga	Dist VIII	0	19	19		1021			0	
Reach HS	Dist VIII	31	16	-15	925	809	-115	0	0	0
TxConn. Acad	Dist VIII	82	128	46	1523	1468	-55	41	32	-9
Madison HS	Dist IX	352	355	3	1052	1071	19	1	1	0
South EC HS	Dist IX	23	20	-3	1319	1258	-61	9	10	1
Westbury HS	Dist IX	445	379	-66	1066	1085	20	1	1	1
Worthing HS	Dist IX	101	100	-1	1013	1001	-12	0	2	2
Hope Acad		14	0	-14	1014			0		
HISD Totals		9,421	9,563	142	1250	1249	-1	15	15	0

Sources: 2015 Data: College Board 2015 SAT datafile;
2016 Data: College Board 2016 SAT datafile

Notes: SAT School-Day results included.

College Ready is defined as Mathematics and Critical Reading scores ≥500 and total 1070 combined

Table A-5: Average SAT Scores by Board District and Campus, Classes of 2015 and 2016											
Campus	Board Dist	Number Tested		Critical Reading		Mathematics		Writing		Composite	
		2015	2016	2015	2016	2015	2016	2015	2016	2015	2016
Heights HS	Dist I	452	513	395	416	424	429	387	405	1207	1249
Houston MSTC HS	Dist I	427	449	339	349	391	374	342	348	1071	1070
N. Houston ECHS	Dist I	93	97	447	440	485	458	456	426	1388	1324
Northside HS	Dist I	355	323	365	361	406	382	362	362	1133	1104
Scarborough HS	Dist I	114	131	375	372	411	380	361	363	1147	1115
Waltrip HS	Dist I	296	370	385	386	421	408	380	380	1186	1174
Jordan HS	Dist II	181	186	372	377	420	396	377	371	1169	1144
Kashmere HS	Dist II	84	91	337	336	365	327	327	327	1029	990
Leland YMCPA	Dist II	24	13	474	458	503	484	453	467	1430	1408
North Forest HS	Dist II	182	180	334	325	347	329	326	327	1007	981
Washington HS	Dist II	125	93	369	388	420	400	360	386	1148	1174
Wheatley HS	Dist II	158	126	328	336	356	342	328	333	1012	1012
Chavez HS	Dist III	629	620	389	384	420	404	386	376	1195	1164
Milby HS	Dist III	382	298	355	377	394	389	354	370	1103	1137
Mount Carmel Acad	Dist III	72	89	431	430	431	439	415	438	1278	1307
DeBakey HS	Dist IV	199	188	615	621	655	658	625	631	1895	1910
Hou Acad. Intl.	Dist IV	110	102	455	477	468	469	439	470	1362	1417
Jones HS	Dist IV	81	15	324	423	353	439	316	419	992	1281
Sterling HS	Dist IV	139	178	345	337	354	345	335	333	1033	1015
Yates HS	Dist IV	147	194	352	361	371	357	342	352	1064	1070
YWCPA	Dist IV	53	36	430	446	457	447	425	425	1312	1318
Beechnut Acad	Dist V	19	14	351	352	386	364	343	324	1080	1041
Bellaire HS	Dist V	685	826	505	499	525	510	502	486	1532	1495
Challenge EC	Dist V	111	118	536	513	544	506	517	498	1596	1517
E-STEM Central HS	Dist V	8	6	415	477	404	472	404	467	1223	1415
E-STEM West HS	Dist V	29	55	358	437	416	467	386	405	1160	1309
HS Perf. Vis. Arts	Dist V	175	161	571	588	562	579	560	578	1693	1745
Long Acad	Dist V	0	60		393		424		388		1205
Sharpstown HS	Dist VI	293	282	358	365	393	393	352	360	1102	1119
Sharpstown Intl	Dist VI	114	135	386	401	418	431	388	402	1192	1235
Westside HS	Dist VI	567	638	451	451	472	467	434	435	1357	1353
Lamar HS	Dist VII	806	633	479	476	486	475	462	463	1427	1414
Liberty HS	Dist VII	21	30	320	286	388	335	295	269	1003	891
Mid Coll - Gulfton	Dist VII	0	24		313		320		288		921
Wisdom HS	Dist VII	295	286	337	347	381	366	338	341	1057	1054
Austin HS	Dist VIII	300	328	353	357	402	382	355	348	1109	1087
Carnegie HS	Dist VIII	144	152	654	644	666	653	628	633	1948	1930
East EC HS	Dist VIII	111	100	455	481	521	505	455	475	1430	1461
Eastwood Acad	Dist VIII	108	90	444	479	486	522	443	477	1373	1478
Furr HS	Dist VIII	171	178	372	361	394	378	358	356	1124	1096
Law Enf. CJHS	Dist VIII	113	138	427	427	447	442	426	425	1300	1294
Mid Coll - Fraga	Dist VIII	0	19		345		340		335		1021
Reach HS	Dist VIII	31	16	307	257	319	275	299	278	925	809
Tx Conn. Acad	Dist VIII	82	128	532	511	506	487	485	470	1523	1468
Madison HS	Dist IX	352	355	345	361	367	361	340	348	1052	1071
South EC HS	Dist IX	23	20	435	407	451	431	433	421	1319	1258
Westbury HS	Dist IX	445	379	350	364	373	370	342	351	1066	1085
Worthing HS	Dist IX	101	100	339	334	354	342	320	325	1013	1001
Hope Acad		14	0	324		366		324		1014	
HISD Totals		9,421	9,563	410	415	437	428	403	406	1250	1249
Texas		193,768	196,028	470	466	486	478	454	449	1410	1393
Nation		1,698,521	1,637,589	495	494	511	508	484	482	1490	1484

Sources: 2015 Data: College Board 2015 SAT datafile;
2016 Data: College Board 2016 SAT datafile

Notes: SAT School-Day results included.