MEMORANDUM November 4, 2014

TO: Board Members

FROM: Terry B. Grier, Ed.D.

Superintendent of Schools

SUBJECT: SAT RESULTS: CLASS OF 2014

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

The SAT is a college admissions exam that assesses students' reasoning based on knowledge and skills developed in their course work. Colleges use SAT scores to make admission decisions, recruit students, place students in appropriate courses, and to predict student performance at the college-level. The SAT results for the <u>class of 2014</u> have been released by the College Board and are provided in this report.

The number of graduating seniors in 2014 with SAT results was 9,339, an <u>increase</u> of 209 students compared to the 9,130 students in the class of 2013 (**Table 1**). In 2014, 90 percent of the seniors were tested compared to 89.8 percent in 2013. The Hispanic students accounted for most of the increase (240) in the number of tested students in the HISD class of 2014.

Table 1. Number of Class of 2012, 2013		by Ethnicity and	d Gender,
Group	2012	2013	2014
American Indian	33	34	28
Asian	456	424	432
African American	2,654	2,463	2,354
Hispanic	5,063	4,955	5,195
White	890	866	884
Other	190	196	181
No Response	194	192	265
Female	4,834	4,794	4,780
Male	4,646	4,336	4,559
Total Tested	9,480	9,130	9,339
Total Seniors	10,271	10,172	10,371
Percent Tested	92.3%	89.8%	90.0%

Average SAT scores of public school students in HISD, Texas and the nation, for the graduating classes of 2012 and 2013 showed modest changes across the years (**Tables 2a and 2b**).

	Critical Reading	Mathematics	Writing
Classes of 2	2013 and 2014 (All Student	ts)	
Table 2a. Av	rerage SAT Scores of HIS	D, Texas and National Stu	dents, Graduating

	Critical	Reading	Mathe	matics	Writing		
Group	2013	2014	2013	2014	2013	<b>2014</b> 408	
HISD	410	406	440	434	402		
Texas	477	476	499	495	461	461	
Nation	496	497	514	513	488	487	

Table 2b. Average SAT Sc	ores of HISD, Texas and	<b>National Students,</b>	Graduating
Classes of 2013 and 2014			

	Critical	Reading	Mathe	matics	Writing		
Group	2013	2014	2013	2014	2013	2014	
HISD	410	406	440	434	402	408	
Texas	471	470	496	491	456	455	
Nation	491	492	503	501	480	478	

The average SAT scores by student groups are provided in **Table 3** for 2013 and 2014. The comparison between the two years shows that between 2013 and 2014:

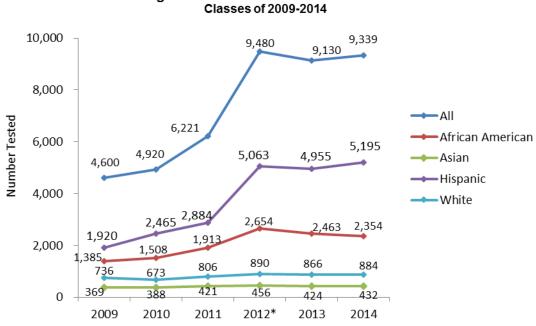
- Average SAT scores <u>decreased</u> in Critical Reading by 4 scale score points and Mathematics by 6 scale score points.
- Average SAT scores <u>increased</u> by 6 scale score points in Writing.

Table 3. Average SAT Scores by Student Group, Classes of 2013 and 2014												
	7	Tested N		Crit	Critical Reading			thematic	cs	Writing		
	2013	2013	2014	Diff.	2013	2014	Diff.	2013	2014	Diff.		
American Indian	34	28	-6	421	418	-3	429	432	3	407	411	4
Asian	424	432	8	512	526	14	571	582	11	509	532	23
African American	2,463	2,354	-109	388	384	-4	408	399	-9	381	385	4
Hispanic	4,955	5,195	240	391	384	-7	426	419	-7	383	389	6
White	866	884	18	535	539	4	554	551	-3	522	527	5
Other	196	181	-15	458	456	-2	458	461	3	439	451	12
No Response	192	265	73	361	339	-22	391	377	-14	344	343	-1
Female	4,794	4,780	-14	413	411	-2	436	431	-5	413	419	6
Male	4,336	4,559	223	407	401	-6	444	437	-7	390	396	6
Total	9,130	9,339	209	410	406	-4	440	434	-6	402	408	6

Four and five-year trend data of SAT participation and performance, broken down by subject and ethnicity for the district, are presented in **Figures 1-8. Figure 9** presents the results in 2014 by <u>campus</u>.

**Figure 1** shows the number of students tested on the SAT by student group and for all students for the classes of 2009 through 2014.

Figure 1. HISD SAT Number Tested

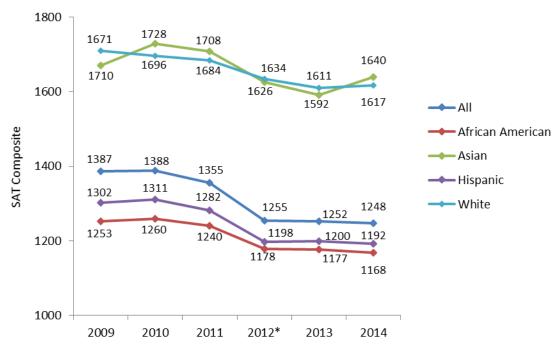


\*First year of SAT School-Day results included in graduating class results.

- The number of students tested in 2014 was 9,339 an increase 209 students compared to 2013.
- The largest increase in students tested was within the Hispanic student group which increased by 240.
- The largest decrease in students tested was within the African American student group which decreased by 109 students.

**Figure 2** shows total mean SAT scores for HISD seniors for the total group as well as by ethnicity for the classes of 2009 through 2014.

Figure 2. HISD Mean SAT Composite Scores (Reading + Mathematics + Writing) Classes of 2009-2014



\*First year of SAT School-Day results included in graduating class results.

• The Asian student group showed the largest growth in the SAT composite score, from 1592 to 1640 (+48), followed by the White student group, from 1611 to 1617 (+6).

**Figure 3** shows the number of HISD students who scored at or above 500 on any subject of the SAT for the classes of 2010 through 2014.

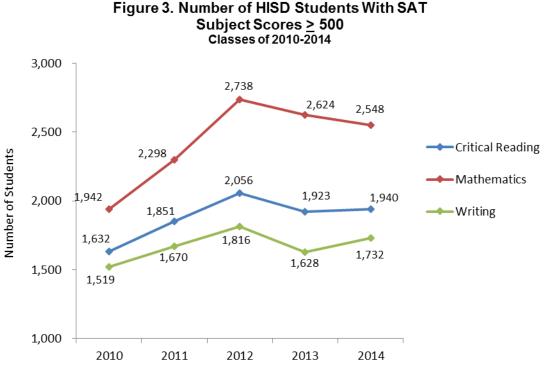
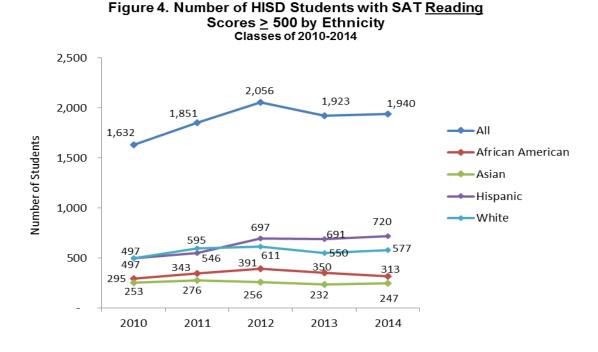


Figure 4 shows the number of HISD students who scored at or above 500 in SAT <u>Critical Reading</u>



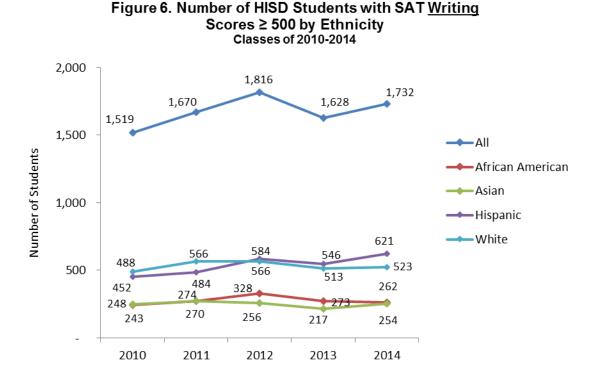
for the classes of 2010 through 2014 by ethnicity.

**Figure 5** shows the number of HISD students who scored at or above 500 in SAT <u>Mathematics</u> for the classes of 2010 through 2014 by ethnicity.

Classes of 2010-2014 3,000 2,738 2,624 2,548 2,500 2,298 **→** All 1,942 Number of Students 2,000 African American Asian 1,500 —Hispanic 1,174 1,178 1,126 -White 1,000 832 678 599 608 629 645 488 500 519 405 386 326 335 315 339 290 312 2010 2011 2012 2013 2014

Figure 5. Number of HISD Students with SAT <u>Mathematics</u> Scores ≥ 500 by Ethnicity

**Figure 6** shows the number of HISD students who scored at or above 500 in SAT <u>Writing</u> for the classes of 2010 through 2014 by ethnicity.



**Figure 7** shows the class size and number of HISD students who took the SAT for the classes of 2010 through 2014.

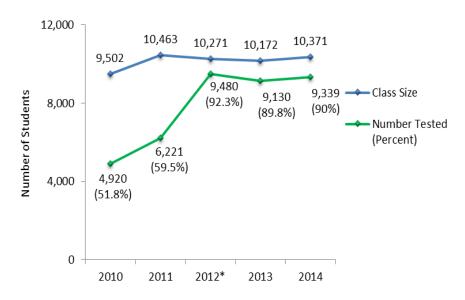


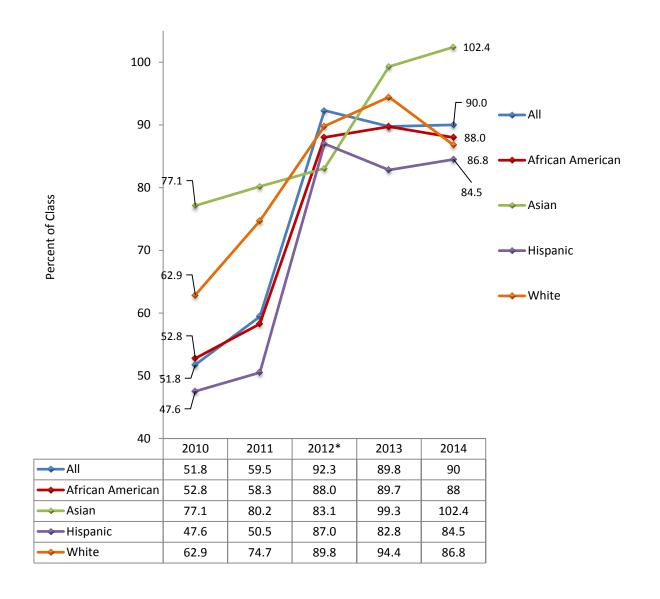
Figure 7. HISD Class Size and SAT Participation Classes of 2010-2014

\*First year of SAT School-Day results included in graduating class results.

- The number of graduating seniors in 2014 with SAT results was 9,339, an <u>increase</u> of 209 students compared to the 9,130 students in the class of 2013.
- In 2014, 90 percent of the seniors were tested compared to 89.8 percent in 2013.

**Figure 8** shows the SAT participation rate of HISD students by <u>ethnicity</u>. The results indicate that the participation rates increased for all ethnic groups as follows:

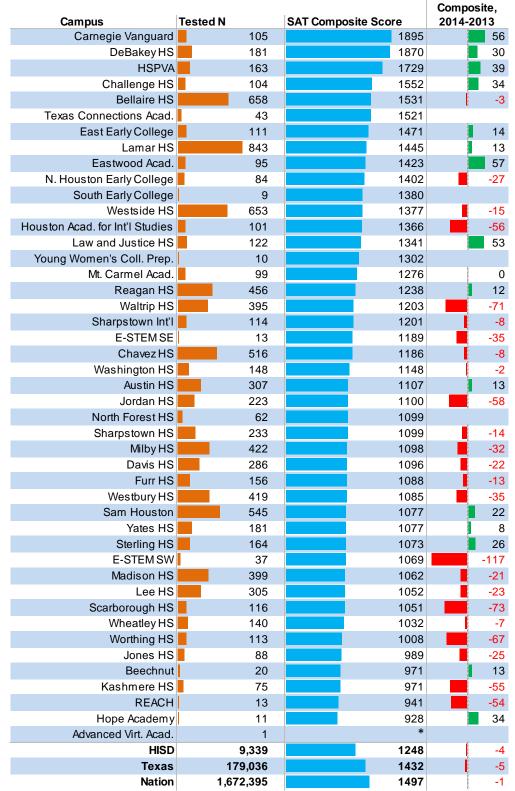
Figure 8. HISD SAT Participation Rate by Ethnicity Classes of 2010-2014



• In 2014, 90 percent of the seniors were tested compared to 89.8 percent in 2013.

**Figure 9** shows the number of students in the class of 2013 tested on SAT, and the SAT composite score (critical reading, mathematics, and writing) by <u>campus</u>. The results indicate:

Figure 9. SAT Composite Scores by Campus: Class of 2014
Critical Reading + Mathematics + Writing



\*Masked: fewer than 5 testers.

District, state, and national performance data by student groups for the classes of 2012 through 2014 are presented in **Tables A1-3** in the **Appendix**. **Table A4** in the **Appendix** presents the campus-level performance data for all campuses whose students took the SAT for 2013 and 2014.

On April 16, 2014, HISD administered the school-day SAT to all juniors who wished to participate. This was the third year for this school day assessment funded by the district for juniors. A total of 8,687 juniors were tested on the 2014 school day administration of the SAT, down by 274 students from 8,961 juniors in 2013. Results by campus of the 2014 school-day SAT administration by campus are presented in **Table A5** in the **Appendix**. Comparisons between graduating class results including the school-day data and graduating classes prior to 2012 should be made with caution, as they represent different test-taking populations because the school-day test data include students who may not have originally planned to take the SAT.

## **Administrative Response**

Comprehensive high schools that showed gains in the composite score from 2013 to 2014 had several things in common:

- They engaged in bi-weekly formative assessments across all subject areas.
- In all but two cases, their principals met weekly to collaborate on best practices and responses to instructional data based on the bi-weekly formative assessments.
- Students systematically participated in specific SAT-prep activities such as the SAT Online Course, resources available through Naviance, and school-wide vocabulary work.
- Several, but not all, of these schools added additional math and reading courses to the schedules of all students (doubling time spent in math and reading).

A majority of the students of the class of 2014 took the SAT as juniors during the 2012-2013 administration. At that time, the district did not offer robust SAT preparation. Since then, the district's College Readiness Department and the Curriculum Department have implemented numerous strategies and initiatives to prepare students for success on the SAT.

- Starting in the 2013-2014 school year, the district's newly formed College Readiness
  Department began offering an SAT course for juniors at most high school campuses. As
  a result, the average reading, math and composite scores for the 2014 school-day
  administration increased. This is expected to result in an increase in SAT scores for the
  class of 2015.
- During the 2014-2015 school year, the HISD College Readiness Department acquired PrepMe - an adaptive online PSAT and SAT preparation program -for all high school students in the district.
- The HISD Innovative Curriculum Department also created SAT curriculum that is being taught at most high schools.
- Additionally, the College Readiness Department launched an initiative to increase the number of National Merit Scholars in the district.
- HISD ELA Curriculum Department staff created three documents in 2013-2014 to support the development of high school students' writing skills:
  - A STAAR Prep Expository Writing Guide a 10-day planning guide and calendar that provides daily instructional considerations and resources to assist teachers in preparing students for STAAR expository writing;
  - A STAAR Prep Persuasive Writing Guide a 10-day planning guide and calendar that provides daily instructional considerations and resources to assist teachers in preparing students for STAAR persuasive writing; and
  - A High School Writing Handbook an instructional resource and reference guide created by district teachers and staff that includes essential elements for

successful writing instruction, suggested activities, and a STAAR EOC specific addendum.

These multiple efforts are expected to expand on the success on the SAT seen in the 2013-2014 school day scores and result in higher scores for the 2015 graduating class. Should you have any further questions, please contact my office or Carla Stevens in Research and Accountability at (713) 556–6700.

They B. Grien TBG

cc: Superintendent's Direct Reports Harrison Peters Rick Cruz

> High School Support Officers High School Principals

							2014								
_			HISD					Texas					Nation		
	N	%				N	%				N	%			
Group	Tested	Tested	Reading	Math	Writing	Tested	Tested	Reading	Math	Writing	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	432	5	526	582	532	12,784	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
Mexican,															
Mex. Amer.	2,506	27	394	433	398	32,860	18	441	467	431	120,243	7	450	461	443
Puerto Rican	30	<1	409	420	396	1,034	1	477	478	458	28,891	2	456	450	443
Other											-				
Hispanic,															
Latino	2,659	28	375	406	380	33,784	19	426	449	419	151,223	9	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
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	495	461	1,672,395	100	497	513	487

Table A2.	Class	of 2013	Mean SA	AT Sco	res by E	thnicity:	District	, State, a	nd Na	ation					
							2013								
			HISD			Texas				Nation					
	N	%				N	%				N	%			
Group	Tested	Tested	Reading	Math	Writing	Tested	Tested	Reading	Math	Writing	Tested	Tested	Reading	Math	Writing
American															
Indian	34	<1	421	429	407	1,060	1	498	507	471	9,818	1	480	486	461
Asian	424	5	512	571	509	11,838	7	527	584	520	196,030	12	521	597	527
African															
American	2,463	27	388	408	381	24,013	14	423	436	408	210,151	13	431	429	418
Mexican,															
Mex. Amer.	2,382	26	402	437	393	31,504	18	444	472	432	114,506	7	449	464	442
Puerto Rican	25	<1	453	458	442	1,027	1	482	488	461	27,871	2	456	453	445
Other															
Hispanic,															
Latino	2,548	28	380	414	374	30,782	18	427	454	417	141,884	9	450	461	443
White	866	9	535	554	522	67,080	39	524	540	504	834,933	50	527	534	515
Other	196	2	458	458	439	3,100	2	500	507	482	62,251	4	492	519	490
No															
Response	192	2	361	391	344	2,466	1	465	475	444	62,603	4	448	508	453
Female	4,794	53	413	436	413	92,341	53	474	487	466	883,955	53	494	499	493
Male	4,336	47	407	444	390	80,529	47	479	512	456	776,092	47	499	531	482
Total	9,130	100	410	440	402	172,870	100	477	499	461	1,660,047	100	496	514	488

Table A3.	Class	of 2012	Mean SA	T Scor	es by Et	hnicity:	District	, State, a	nd Na	ation					
							2012								
			HISD			Texas				Nation					
	N	%				N	%				N	%			
Group	Tested	Tested	Reading	Math	Writing	Tested	Tested	Reading	Math	Writing	Tested	Tested	Reading	Math	Writing
American															
Indian	33	0	430	439	408	1,060	1	500	512	477	9,716	1	482	489	162
Asian	456	5	515	589	522	11,389	7	521	582	521	192,577	12	518	595	528
African															
American	2,654	28	387	406	385	24,431	14	421	436	409	217,656	13	428	428	417
Mexican,															
Mex. Amer.	2,432	26	399	436	393	30,977	18	441	471	431	108,238	7	448	465	443
Puerto Rican	31	0	438	460	423	1,020	1	481	492	464	27,793	2	452	452	442
Other															
Hispanic,															
Latino	2,600	27	379	412	377	29,549	17	424	453	418	136,602	8	447	461	442
White	890	9	543	557	534	68,681	40	522	540	502	852,144	51	527	536	515
Other	190	2	451	463	445	3,059	2	492	504	477	62,340	4	491	516	491
No															
Response	194	2	362	383	347	2,636	2	450	468	431	57,413	3	444	502	448
Female	4,834	51	411	430	415	92,420	53	472	485	467	886,337	53	493	499	494
Male	4,646	49	408	448	396	80,382	47	477	514	454	778,142	47	498	532	481
Total	9,480	100	410	439	406	172,802	100	474	499	461	1,664,479	100	496	514	488

Table A4. Classe	s of 2013 and	d 2014 SAT	Mean	Scores	by Ca	mpus				
	N Tal	king	Rea	ding	Mathe	matics	Wri	ting	То	tal
Campus	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
Adv. Virtual Acad.	1	1	*	*	*	*	*	*	*	*
Austin HS	356	307	351	348	394	396	349	363	1094	1107
Beechnut	14	20	323	303	336	372	299	296	958	971
Bellaire HS	726	658	507	501	529	529	498	501	1534	1531
Carnegie Vanguard	117	105	615	631	633	648	591	616	1839	1895
Challenge HS	106	104	506	517	516	530	496	505	1518	1552
Chavez HS	501	516	386	382	425	420	383	384	1194	1186
CLC HS	7		319		386		350		1055	
Davis HS	291	286	357	351	407	388	354	357	1118	1096
DeBakey HS	200	181	596	605	646	648	598	617	1840	1870
East Early College	104	111	473	478	518	514	466	479	1457	1471
Eastwood Acad.	105	95	446	461	482	499	438	463	1366	1423
Empowerment	37		447	101	478	100	432	100	1357	1420
E- STEM SE	29		410		426		388		1224	
E- STEM SW	30	37	381	323	430	390	375	356	1186	1069
Furr HS	148	37 156	357	349	389	390	375	355	1101	1069
Hope Academy	20	11	291	294	309	341	294	293	894	928
Houston Acad. Int'l	85	101	477	452	481	474	464	440	1422	1366
Houston MSTC	544	545	340	337	378	385	337	355	1055	1077
HSLECJ	121	122	424	435	442	462	422	444	1288	1341
HSPVA	153	163	571	581	561	576	558	572	1690	1729
Jones HS	89	88	333	310	353	353	328	326	1014	989
Jordan HS	245	223	372	351	413	390	373	359	1158	1100
Kashmere HS	88	75	327	306	363	346	333	316	1023	968
Lamar HS	706	843	477	480	493	493	462	472	1432	1445
Lee HS	327	305	347	338	391	371	337	343	1075	1052
Liberty HS	21		323		350		327		1000	
Madison HS	400	399	354	342	382	367	347	353	1083	1062
Milby HS	383	422	377	354	394	386	359	358	1130	1098
Mt. Carmel Acad.	73	99	423	419	435	434	418	423	1276	1276
New Aspirations	16		362		368		336		1066	
North Forest HS		62		370		369		360		1099
N. Houst. Early Coll	85	84	466	450	507	494	456	458	1429	1402
REACH	16	13	327	312	346	307	322	322	995	941
Reagan HS	394	456	397	405	437	432	392	401	1226	1238
Scarborough HS	122	116	362	339	400	371	362	341	1124	1051
Sharpstown HS	283	233	359	349	407	401	347	349	1113	1099
Sharpstown Int'l.	99	114	389	386	429	416	391	399	1209	1201
Sterling HS	191	164	340	343	375	368	332	362	1047	1073
Vision Academy	5	-	384		384		322		1090	
Waltrip HS	245	395	422	394	447	425	405	384	1274	1203
Washington HS	151	148	381	368	402	410	367	366	1150	1144
Westbury HS	404	419	373	360	389	366	358	359	1120	1085
Westside HS	641	653	458	456	488	473	446	448	1392	1377
Wheatley HS	145	140	333	330	374	354	332	348	1039	1032
Worthing HS	139	113	357	329	368	346	350	333	1075	1008
Yates HS	167	181	356	354	366	364	347	359	1069	1077
YWCPA	107	10	330	424	300	454	571	424	1000	1302
HISD	9,130	9,339	410	406	440	434	402	408	1252	1248
	·									
Texas	172,870	179,036	477	476	499	495	461	461	1437	1432
Nation	1,660,047	1,672,395	496	497	514	513	488	487	1498	1497

Table A5: Average School Day SAT Scores by Campus, 2013-2014 (Juniors)													
			2013			2014							
Campus	# Tested	Reading	Math	Writing	Composite	#Tested	Reading	Math	Writing	Composite			
Austin HS	301	344	395	360	1099	293	342	398	350	1091			
Beechnut Academy	22	314	380	314	1008	21	350	399	341	1089			
Bellaire HS	626	483	514	481	1478	646	495	518	497	1509			
Carnegie Vanguard	105	618	652	611	1881	139	638	657	610	1905			
Challenge HS	106	495	525	493	1513	107	527	532	527	1587			
Chavez HS	497	374	421	383	1178	597	389	420	387	1197			
Davis HS	276	344	391	354	1090	329	361	408	362	1131			
Debakey HS	176	582	649	598	1829	188	593	640	612	1844			
East Early College	111	467	517	476	1460	108	440	519	447	1406			
Eastwood	91	447	489	445	1380	108	439	486	440	1365			
	9	423	543	443	1394	*	439 *	400 *	*	1303			
Empowerment	10	404	428					402	394	1214			
E-STEM Central E-STEM West				398	1230	9	418	402					
	42	327	403	360	1091	27	379	418	383	1180			
Furr HS	139	342	381	357	1080	161	363	394	351	1107			
Hope Academy	11	292	318	275	885	14	334	360	324	1019			
Houston Acad. Int'l	97	445	473	437	1355	106	444	469	429	1342			
Houston M/S/T	533	327	385	350	1062	414	333	393	338	1064			
HSLECJ	123	430	457	442	1328	112	422	447	424	1293			
HSPVA	160	568	569	558	1695	165	560	561	550	1671			
Jones HS	88	307	348	321	976	85	322	356	314	992			
Jordan HS	220	349	389	360	1098	177	366	429	371	1166			
Kashmere HS	78	304	341	314	959	85	330	363	327	1019			
Lamar HS	810	469	489	461	1419	784	465	475	447	1388			
Lee HS	295	327	365	343	1036	282	335	385	340	1060			
Madison HS	395	332	364	350	1046	357	337	369	335	1042			
Milby HS	420	347	382	354	1083	365	348	400	352	1101			
Mt. Carmel	94	415	432	421	1267	70	432	431	410	1273			
N. Houst. Early Coll.	90	449	496	455	1400	93	449	483	453	1385			
North Forest HS	*	*	*	*	*	182	331	348	318	996			
REACH Charter	10	291	292	333	916	25	297	311	285	893			
Reagan HS	418	401	437	403	1240	441	388	422	385	1196			
Scarborough HS	109	341	374	340	1055	110	366	407	358	1131			
Sharpstown HS	218	335	392	341	1068	284	351	396	349	1096			
Sharpstown Int'l.	110	378	415	395	1187	110	388	421	389	1198			
South Early Coll.	*	*	*	*	*	23	425	441	414	1280			
Sterling HS	169	327	366	358	1051	123	344	358	330	1032			
Vision Academy	13	329	355	335	1020	*	*	*	*	*			
Waltrip HS	391	391	426	382	1198	295	382	421	371	1175			
Washington HS	130	357	417	366	1140	103	369	413	355	1136			
Westbury HS	413	346	357	353	1056	432	343	374	337	1054			
Westside HS	636	445	468	439	1352	547	443	463	425	1332			
Wheatley HS	138	318	337	341	996	157	327	354	322	1003			
Worthing HS	108	321	342	328	991	96	336	357	320	1014			
Yates HS	173	348	364	358	1070	121	336	374	326	1036			
YMCPA	*	*	*	*	*	25	456	496	426	1378			
YWCPA	*	*	*	*	*	50	434	461	422	1318			
HISD	8,961	396	431	402	1228	8,687	404	436	399	1239			
	3,00	- 555			0	3,001			- 555				

\*Data not available Note: SAT composite scores that increased from 2013 to 2014 are shaded in blue. Note. SAT composite scores that increased from 2012 to 2013 are shaded green.