MEMORANDUM

TO: Board Members

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

SUBJECT: ACT TEST RESULTS: CLASS OF 2011

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

The results for the class of 2011 on the ACT test have been released. Colleges use the data to help them plan their curricula and place students in the appropriate courses of study. The ACT is a national college-admission exam and assesses both the general educational level of high school students and their readiness for college-level work. The results of the ACT test are provided below for the class of 2011.

The number of Houston Independent School District (HISD) graduating seniors in 2011 with ACT test results was 2,692, an increase of 243 students from the 2,449 students tested in 2010. **Table 1** provides a two-year comparison of average ACT scores for HISD students and each student group for the graduating class of 2011 compared to 2010. Scores on the test range from 1 to 36.

		2010			2011		2010-2011 Diff			
Student Group	Ν	%	Avg	Ν	%	Avg	Ν	%	Avg	
All Students	2,449	100	18.8	2,692	100	19.6	243	0	0.8	
African American	832	34	16.8	880	33	17.2	48	-1	0.4	
American Indian	5	0	17.6	5	0	19.8	0	0	2.2	
White	355	14	25.0	392	15	25.2	37	1	0.2	
Hispanic	932	38	17.2	1,067	40	18.1	135	2	0.9	
Asian	117	5	25.1	191	7	26.0	74	2	0.9	
Pacific Islander	0	0		2	0	na	2	0	na	
2 or more	69	3	20.8	48	2	21.5	-21	-1	0.7	
No response	139	6	19.1	107	4	21.6	-32	-2	2.5	

Table 1: Two Year Comparison of ACT Composite Results for the Graduating Classes of 2010 and 2011

Overall

- A total of 2,692 graduating seniors from the class of 2011 took the ACT. This represents a ten-percent increase in the number of students who took the exam over the previous year.
- The overall average composite ACT score for the class of 2011 was 19.6, an increase of 0.8 from the class of 2010, and each student group out-performed their counterparts from the previous year.
- Of the largest student groups, the Hispanic and Asian students made the most gains by improving their average ACT Composite scores by 0.9, African American students improved by 0.4, and the White students improved by 0.2.

HISD, Texas, and Nation

The ACT is a national college admissions exam that consists of four subject areas and a composite score. Those four subjects include: English, mathematics, reading, and science. In addition to subject scores, ACT has created College Readiness Benchmarks that are the minimum ACT test scores required for students to have a high probability of success in creditbearing college courses. Tables 2 and 3 show the average scores by subject for the district, the state, and the nation over the past four years. They also show the percent of students meeting the College Readiness Benchmarks in all four subjects.

Table 2: Four Year Trends-Average ACT Scores (English, Mathematics, and Reading) and the Differences between Years

	Number		Englis	h	Ma	thema	atics	Reading			
Year	Tested HISD	HISD	ТΧ	Nation	HISD	ТΧ	Nation	HISD	ΤХ	Nation	
2008	1,458	19.4	19.8	20.6	20.6	21.2	21.0	20.2	20.9	21.4	
2009	1,895	19.1	19.9	20.6	20.2	21.3	21.0	19.8	20.9	21.4	
2010	2,449	17.5	19.7	20.5	19.6	21.4	21.0	18.6	20.8	21.3	
2011	2,692	18.4	19.6	20.6	20.5	21.5	21.1	19.4	20.7	21.3	

By Year	Number	E	Englis	h	Ma	thema	atics	Reading			
Diff	Tested HISD	HISD	ΤX	Nation	HISD	ΤX	Nation	HISD	ΤX	Nation	
08-09	437	-0.3	0.1	0.0	-0.4	0.1	0.0	-0.4	0.0	0.0	
09-10	554	-1.6	-0.2	-0.1	-0.6	0.1	0.0	-1.2	-0.1	-0.1	
10-11	243	0.9	-0.1	0.1	0.9	0.1	0.1	0.8	-0.1	0.0	

 Table 3: Four Year Trends-Average ACT Scores (Science and Composite) with the Percent of

 Students Meeting College Readiness Benchmarks and Differences between Years

	5	Scienc	e	C	ompos	site	College Readiness Benchmark					
Year	HISD	ТΧ	Nation	HISD TX		Nation	HISD	TX	Nation			
2008	19.5	20.5	20.8	20.1	20.7	21.1	18%	20%	22%			
2009	19.3	20.6	20.9	19.7	20.8	21.1	18%	22%	23%			
2010	18.9	20.9	20.9	18.8	20.8	21.0	16%	24%	24%			
2011	19.6	20.8	20.9	19.6	20.8	21.1	20%	24%	25%			

By Year		Scienc	e	Co	ompos	site	College Readiness Benchmark					
Diff	HISD	ТΧ	Nation	HISD	ΤХ	Nation	HISD	TX	Nation			
08-09	-0.2	0.1	0.1	-0.4	0.1	0.0	0.0%	2.0%	1.0%			
09-10	-0.4	0.3	0.0	-0.9	0.0	-0.1	-2.0%	2.0%	1.0%			
10-11	0.7	-0.1	0.0	0.8	0.0	0.1	4.0%	0.0%	1.0%			

- From 2010 to 2011, HISD has shown an increase in each of the four subjects of the ACT. The two largest increases of 0.9 were in English and mathematics while reading increased by 0.8 and science increased by 0.7.
- While the average ACT scores have increased from 2011 over 2010 in HISD, the nation failed to make any gains in reading and science and only increased by 0.1 in English and mathematics.
- HISD showed the greatest gain by increasing the percent of students meeting the College Readiness Benchmarks in all four subjects by four percentage points from 16 percent in

2010 to 20 percent in 2011. During this time, the nation only increased by one percentage point, and the state's rate was flat.

Student Group Comparison of HISD, Texas, and Nation

na

21.3

20.7

18.4

18.3

18.4

20.9

20.2

19.9

19.3

0.4

0.5

-1.5

-1.0

Pacific Islander

2 or more

Females

Males

No response

Tables 4 and 5 provide the 2011 average ACT scores by ethnicity for the graduating classes of 2010 and 2011 for HISD, the State of Texas, and the Nation along with the percent meeting all four subjects of the College Readiness Benchmark. The differences between student groups are provided for each entity.

	E	English		Ma	themati	cs		Readi	ng
Student Group	HISD	ΤX	Diff	HISD	ΤX	Diff	HISD	ΤX	Diff
All Students	18.4	19.6	-1.2	20.5	21.5	-1.0	19.4	20.7	-1.3
African American	16.0	16.0	0.0	18.0	18.3	-0.3	16.9	17.2	-0.3
American Indian	19.4	20.5	-1.1	18.8	22.1	-3.3	20.8	22.0	-1.2
White	24.9	22.5	2.4	25.2	23.5	1.7	25.4	23.3	2.1
Hispanic	16.3	16.8	-0.5	19.3	19.5	-0.2	17.9	18.3	-0.4
Asian	25.1	23.8	1.3	27.8	26.6	1.2	25.0	24.2	0.8

na

21.3

22.2

19.9

21.3

20.6

22.0

21.9

21.0

22.1

na

21.6

21.9

19.4

19.4

-0.7

0.3

-1.1

-0.8

19.5

22.0

21.2

20.8

20.6

-0.4

0.7

-1.4

-1.2

Table 4: Average ACT Scores, College Readiness Benchmark Results, and Differences between Student Groups from HISD and Texas

	S	cience		Co	omposit	e	College Re	eadiness Be	enchmark
Student Group	HISD	ΤX	Diff	HISD	ΤX	Diff	HISD	TX	Diff
All Students	19.6	20.8	-1.2	19.6	20.8	-1.2	20%	24%	-4%
African American	17.4	17.8	-0.4	17.2	17.5	-0.3	7%	6%	1%
American Indian	19.2	21.7	-2.5	19.8	21.7	-1.9	20%	29%	-9%
White	24.7	22.8	1.9	25.2	23.2	2.0	54%	37%	17%
Hispanic	18.3	18.9	-0.6	18.1	18.5	-0.4	9%	10%	-1%
Asian	25.5	24.2	1.3	26.0	24.8	1.2	63%	50%	13%
Pacific Islander	na	20.2		na	19.7		na	16%	
2 or more	21.3	21.7	-0.4	21.5	21.8	-0.3	21%	27%	-6%
No response	21.3	21.1	0.2	21.6	21.2	0.4	28%	na	
Females	19.2	20.4	-1.2	19.4	20.6	-1.2	17%	21%	-4%
Males	20.3	21.3	-1.0	19.9	21.0	-1.1	23%	27%	-4%

• HISD White and Asian students outperformed their counterparts in the state on each subject and on the percent meeting the College Readiness Benchmark, along with African American students.

Table 5: Average ACT Scores, College Readiness Benchmark Results, and Differences between Student Groups from HISD and the Nation

		English		Ma	athemati	cs		Readin	g
Student Group	HISD	Nation	Diff	HISD	Nation	Diff	HISD	Nation	Diff
All Students	18.4	20.6	-2.2	20.5	21.1	-0.6	19.4	21.3	-1.9
African American	16.0	15.9	0.1	18.0	17.2	0.8	16.9	17.0	-0.1
American Indian	19.4	17.5	1.9	18.8	18.6	0.2	20.8	19.1	1.7
White	24.9	22.1	2.8	25.2	22.1	3.1	25.4	22.7	2.7
Hispanic	16.3	17.6	-1.3	19.3	19.2	0.1	17.9	18.9	-1.0
Asian	25.1	22.8	2.3	27.8	25.1	2.7	25.0	22.9	2.1
Pacific Islander	na	18.6		na	19.9		na	19.4	
2 or more	21.3	20.7	0.6	21.3	20.7	0.6	21.6	21.6	0.0
No response	20.7	20.2	0.5	22.2	20.9	1.3	21.9	21.0	0.9
Females	18.4	20.9	-2.5	19.9	20.6	-0.7	19.4	21.4	-2.0
Males	18.3	20.2	-1.9	21.3	21.6	-0.3	19.4	21.1	-1.7

	S	Science		С	omposit	e	College Re	adiness Be	nchmark
Student Group	HISD	Nation	Diff	HISD	Nation	Diff	HISD	Nation	Diff
All Students	19.6	20.9	-1.3	19.6	21.1	-1.5	20%	25%	-5%
African American	17.4	17.1	0.3	17.2	17.0	0.2	7%	4%	3%
American Indian	19.2	18.9	0.3	19.8	18.6	1.2	20%	11%	9%
White	24.7	22.1	2.6	25.2	22.4	2.8	54%	31%	23%
Hispanic	18.3	18.8	-0.5	18.1	18.7	-0.6	9%	11%	-2%
Asian	25.5	23.1	2.4	26.0	23.6	2.4	63%	41%	22%
Pacific Islander	na	19.5		na	19.5		na	15%	
2 or more	21.3	20.9	0.4	21.5	21.1	0.4	21%	22%	-1%
No response	21.3	20.4	0.9	21.6	20.7	0.9	28%	na	
Females	19.2	20.5	-1.3	19.4	21.0	-1.6	17%	22%	-5%
Males	20.3	21.4	-1.1	19.9	21.2	-1.3	23%	28%	-5%

• HISD African American, American Indian, White, and Asian students outperformed their national counterparts on the composite score and on the percent meeting the College Readiness Benchmark.

Appendix A (see attachment), provides participation and average ACT results for each campus with students tested in the classes of 2010 and 2011.

Tung B. Grien TBG

Attachment

cc: Superintendent's Direct Reports High School Improvement Officers Secondary Principals Martha Salazar-Zamora June Giddings

Appendix A: ACT Results by Campus, Classes of 2010 and 2011

		2	010 AC	CT Perform	nance Res	ults			2	011 A	CT Perform	nance Res	sults	
Campus	Total Tested	English	Math	Reading	Science	Composite	Benchmark	Total Tested	English	Math	Reading	Science	Composite	Benchmark
Austin HS	314	10.9	16.0	13.2	14.5	13.8	0%	177	12.8	16.9	14.9	15.7	15.2	3%
Bellaire HS	227	23.8	25.1	24.6	23.7	24.4	48%	307	24.5	25.9	24.7	24.5	25.0	52%
Carnegie Vanguard HS	64	26.1	26.5	27.4	25.6	26.5	64%	61	27.7	27.9	27.9	27.0	27.7	69%
Challenge HS	33	21.0	20.6	21.8	20.1	21.0	15%	36	20.2	20.2	20.9	19.1	20.3	6%
Chavez HS	56	14.8	18.3	15.8	16.9	16.6	4%	93	14.7	18.2	16.2	17.2	16.7	3%
CLCHS	26	11.2	15.9	14.1	15.6	14.3	4%	6	11.5	14.5	14.5	15.8	14.2	0%
Davis HS	16	12.7	17.9	15.6	17.5	16.1	0%	18	15.1	17.7	16.1	16.9	16.6	0%
DeBakey HSHP	60	26.6	29.3	26.1	25.7	27.1	68%	102	27.2	29.6	27.1	26.1	27.6	71%
East Early College HS	22	19.8	20.7	21.4	20.6	20.8	23%	73	18.5	21.2	19.6	19.9	19.8	11%
Eastwood	59	17.5	20.1	17.9	18.6	18.6	3%	62	18.7	21.2	19.4	19.8	19.9	8%
Empowerment	7	17.9	19.1	17.4	18.4	18.1	0%	7	14.6	17.7	13.7	15.9	15.7	0%
Furr HS	61	15.5	17.5	17.6	17.4	17.1	2%	37	15.4	18.2	17.2	18.1	17.3	5%
Hope Academy	1	*	*	*	*	*	*	2	*	*	*	*	*	*
Houston Acad for Int'l Stud	16	17.2	17.8	17.9	18.3	18.1	6%	7	15.7	17.0	15.6	15.1	16.0	0%
Houston MST	46	14.8	18.3	16.5	18.1	17.1	7%	81	12.9	18.4	15.6	17.0	16.1	2%
HSLECJ	19	17.8	20.0	19.6	19.8	19.5	5%	23	16.9	17.9	18.3	19.3	18.3	13%
HSPVA	39	25.7	23.3	25.1	23.3	24.5	44%	57	25.2	24.3	24.7	23.3	24.5	42%
Jones HS	23	13.3	16.0	14.5	15.8	15.2	0%	34	13.3	15.7	14.1	15.3	14.8	0%
Jordan HS for Careers	103	14.3	16.7	15.7	17.0	16.1	3%	127	14.9	17.4	16.3	16.8	16.5	2%
Kashmere HS	11	13.7	17.0	15.4	18.3	16.3	9%	43	12.9	15.2	14.4	15.8	14.7	2%
Lamar HS	331	21.1	21.2	21.9	21.0	21.5	26%	330	21.3	21.4	22.0	21.6	21.7	29%
Leader's Academy	6	12.8	15.5	17.0	15.7	15.5	0%	2	*	*	*	*	*	*
Lee HS	13	16.6	20.5	16.6	16.8	17.7	8%	68	15.3	18.7	16.6	17.6	17.2	9%
Madison HS	69	14.5	16.9	15.7	17.3	16.2	0%	68	14.6	16.5	16.7	16.6	16.2	1%
Milby HS	22	19.4	20.0	19.7	19.2	19.8	9%	31	13.9	18.1	16.0	17.2	16.4	0%
Mount Carmel	21	18.0	17.0	20.0	16.8	18.0	5%	20	20.0	19.0	21.1	19.7	20.1	15%
REACH Charter HS	9	11.0	16.4	14.2	14.4	14.1	0%	2	*	*	*	*	*	*
Reagan HS	39	16.8	19.0	17.7	18.7	18.1	10%	51	15.6	19.6	17.0	17.7	17.6	14%
Scarborough HS	23	17.0	19.0	17.7	18.3	18.2	9%	15	15.9	19.3	15.9	18.5	17.5	7%
Sharpstown HS	74	13.7	16.8	15.1	15.3	15.3	3%	77	15.8	18.6	17.1	16.6	17.2	4%
Sharpstown Int'l HS	1	*	*	*	*	*	*	18	13.4	18.1	13.7	15.8	15.4	11%
Sterling HS	85	14.1	16.2	15.5	16.3	15.6	0%	56	13.8	16.6	15.0	15.7	15.4	0%
Waltrip HS	49	17.3	18.9	18.5	18.8	18.5	6%	77	17.2	18.3	18.5	18.6	18.3	4%
Washington HS	50	15.5	18.8	16.9	18.5	17.6	8%	58	16.2	19.4	17.6	18.6	18.1	12%
Westbury HS	73	15.8	17.9	16.2	17.2	16.9	8%	65	15.4	17.9	16.2	16.8	16.8	8%
Westside HS	216	20.4	22.3	21.4	21.5	21.5	25%	242	20.6	22.2	21.4	21.6	21.6	26%
Wheatley HS	49	13.5	16.6	14.8	16.2	15.4	0%	46	13.5	16.8	14.8	16.3	15.5	0%
Worthing HS	71	12.9	15.9	14.4	15.0	14.7	1%	65	14.1	16.8	14.9	16.0	15.6	0%
Yates HS	45	13.8	15.6	15.1	16.7	15.4	2%	48	14.6	16.9	16.1	16.6	16.2	0%
HISD	2,449	17.5	19.6	18.6	18.9	18.8	16%	2,692	18.4	20.5	19.4	19.6	19.6	20%
Texas	92,615	19.7	21.4	20.8	20.9	20.8	24%	101,569	19.6	21.5	20.7	20.8	20.8	24%
Nation	1,568,835	20.5	21.0	21.3	20.9	21.0	24%	1,623,112	20.6	21.1	21.3	20.9	21.1	25%
*Fewer than 5 tested	1,000,000	20.0	25	2110	2010	2110	L1/0	.,020,112	20.0		2110	2010	<u> </u>	2070

*Fewer than 5 tested