

MEMORANDUM

September 14, 2011

TO: Board Members

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

SUBJECT: **SAT RESULTS: CLASS OF 2011**

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

The results from the SAT have been released by the College Board. The SAT is a college admissions exam that assesses student reasoning based on knowledge and skills developed by the students in their course work. Colleges use SAT scores to make admission decisions, recruit students, place students in appropriate courses, and predict student performance at the college-level. The results of the SAT are provided below for the class of 2011.

The number of Houston Independent School District (HISD) graduating seniors in 2011 with SAT results was 6,221, an increase of 1,301 students taking the test over the 4,920 students in 2010. **Table 1** provides a comparison of HISD students with Texas and national students for the graduating class of 2011 compared to 2010.

Table 1: Average SAT Scores of HISD Students with Texas and National Students, Graduating Classes of 2010 and 2011

| | <u>Critical Reading</u> | | <u>Mathematics</u> | | <u>Writing</u> | |
|----------|-------------------------|-------------|--------------------|-------------|----------------|-------------|
| | <u>2010</u> | <u>2011</u> | <u>2010</u> | <u>2011</u> | <u>2010</u> | <u>2011</u> |
| HISD | 457 | 445 | 477 | 470 | 454 | 440 |
| Texas | 484 | 479 | 505 | 502 | 473 | 465 |
| National | 501 | 497 | 516 | 514 | 492 | 489 |

HISD, Texas, and Nation

- The average critical reading SAT score for HISD decreased by 12 points, the average mathematics score decreased by 7 points, and the average writing score decreased by 14 points from 2010 to 2011. During the same time period, mean scores for Texas decreased by 5 points in reading, 3 points in mathematics, and 8 points in writing. For the nation, scores declined for the class of 2011 as compared with the class of 2010, by 4 points in reading, 2 points in mathematics, and 3 points in writing.
- Performance gaps between the district and the state and nation increased for the class of 2011 as compared with the class of 2010. The largest gap increase between HISD and Texas was in critical reading where the performance gap increased by 7 points, from a 27-point gap in 2010 to a 34-point gap in 2011. The largest gap increase between HISD and the nation was in writing where the performance gap increased by 11 points, from a 38-point gap in 2010 to a 49-point gap in 2011.

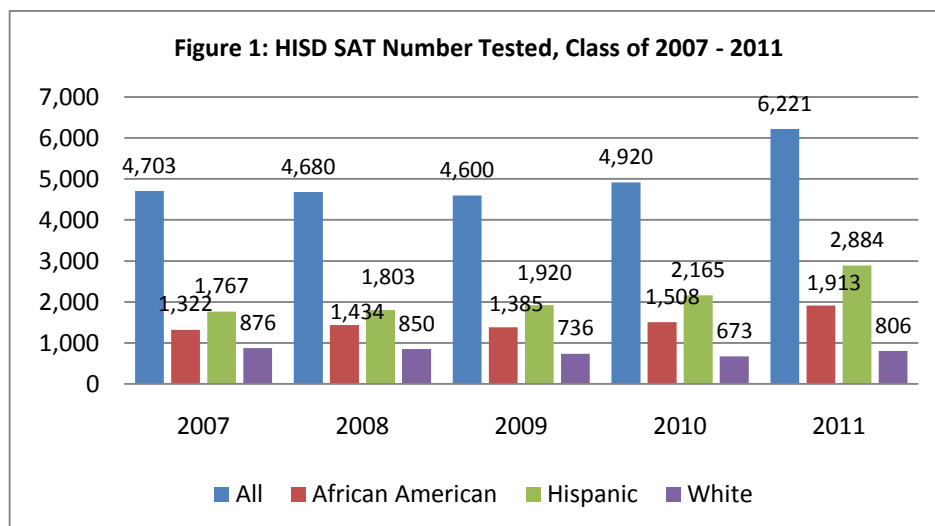
Table 2 provides the district-level scores by ethnicity and gender for the graduating classes of 2010 and 2011.

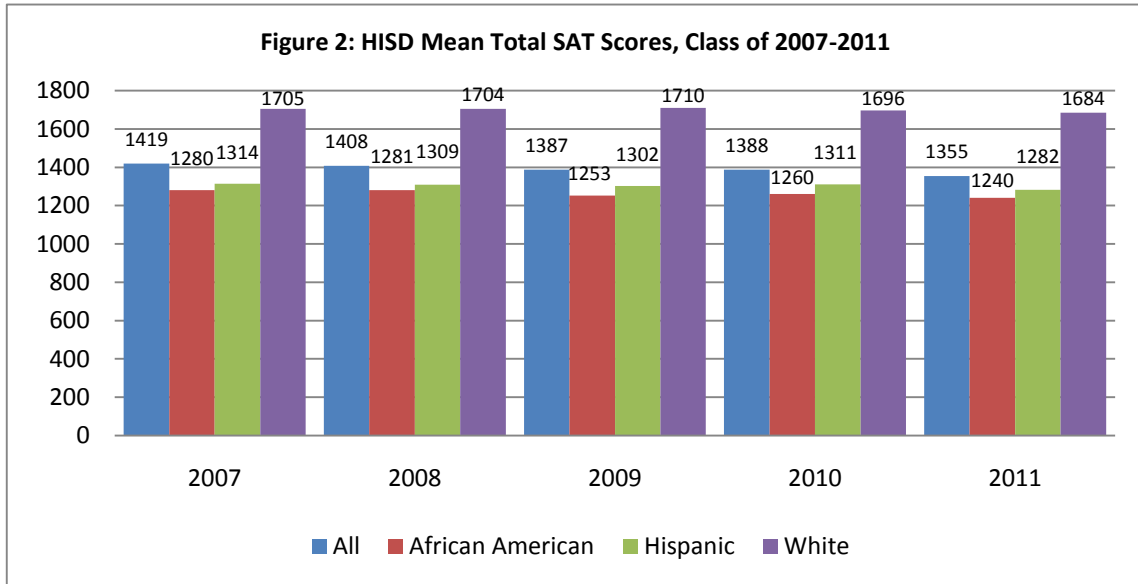
| Group | 2010 | | | | 2011 | | | |
|------------------|--------------|------------|------------|------------|--------------|------------|------------|------------|
| | N Tested | Read | Math | Writing | N Tested | Read | Math | Writing |
| American Indian | 7 | 521 | 517 | 516 | 14 | 509 | 501 | 454 |
| Asian American | 388 | 550 | 621 | 557 | 421 | 544 | 611 | 553 |
| African American | 1,508 | 419 | 425 | 416 | 1,913 | 412 | 423 | 405 |
| Hispanic | 2,165 | 431 | 454 | 426 | 2,884 | 418 | 450 | 414 |
| White | 673 | 564 | 574 | 558 | 806 | 559 | 575 | 550 |
| Other | 88 | 491 | 510 | 486 | 117 | 494 | 490 | 486 |
| No Response | 91 | 495 | 516 | 485 | 66 | 454 | 459 | 428 |
| Female | 2,705 | 455 | 465 | 460 | 3,440 | 441 | 458 | 444 |
| Male | 2,215 | 460 | 493 | 446 | 2,781 | 450 | 485 | 434 |
| Total | 4,920 | 457 | 477 | 454 | 6,221 | 445 | 470 | 440 |

- There was an increase in the number of students tested from 2010 to 2011 for students in all student subgroups (except for those who did not indicate ethnicity). For the class of 2011, 405 more African American seniors took the SAT than the class of 2010, and 719 more Hispanic seniors were tested in 2011, as compared with 2010.
- The average mean scores for students in all ethnic groups declined for the class of 2011 as compared with the class of 2010, except for the White student group’s mathematics scores, which increased by one point. Also, for students in the “other” student group, mean scores increased from 2010 to 2011 in critical reading and remained constant in writing.

5-Year Trend Data

Figure 1 shows the number of students tested on the SAT by student group and for all students for the classes of 2007 through 2011. **Figure 2** shows total mean SAT scores for HISD seniors for the total group as well as by ethnicity for the classes of 2007 through 2011.





Attached are tables with campus level performance data for all campuses whose students tested on the SAT for 2010 and 2011, and a table with district, state, and national performance data by student groups for the class of 2011.

On April 13, 2011, HISD administered the SAT on all high school campuses during the school day, free of charge, to all juniors. A total of 8,515 juniors were tested, with a mean total SAT score of 1226. Results by campus of the school day SAT administration are presented in an attached table. Comparisons between the school day administration data and other SAT data should be made with caution, as they represent different test-taking populations and the school day test data include students who traditionally may not have planned on taking the SAT.

A complete report will be released later in the fall. This report will include an analysis of SAT, ACT, PSAT, and advanced placement results.


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

2010 and 2011 SAT Mean Scores by Campus

| Campus | N Taking | | Reading | | Mathematics | | Writing | |
|------------------|------------------|------------------|------------|------------|-------------|------------|------------|------------|
| | 2010 | 2011 | 10 | 11 | 10 | 11 | 10 | 11 |
| Austin HS | 154 | 190 | 378 | 373 | 419 | 421 | 372 | 372 |
| Bellaire HS | 540 | 600 | 566 | 548 | 593 | 583 | 570 | 551 |
| Carnegie Van. | 65 | 80 | 609 | 613 | 610 | 624 | 582 | 612 |
| Challenge HS | 89 | 97 | 494 | 501 | 499 | 501 | 497 | 491 |
| Chavez HS | 249 | 341 | 409 | 400 | 436 | 432 | 406 | 388 |
| CLC HS | 22 | 23 | 339 | 311 | 360 | 333 | 340 | 308 |
| Davis HS | 139 | 169 | 399 | 393 | 433 | 427 | 394 | 384 |
| DeBaKey HS | 174 | 220 | 592 | 574 | 643 | 645 | 594 | 589 |
| East Early Col. | 50 | 98 | 501 | 458 | 515 | 494 | 493 | 469 |
| Eastwood | 54 | 63 | 463 | 461 | 492 | 517 | 452 | 463 |
| Empowerment | 20 | 11 | 450 | 393 | 438 | 389 | 418 | 378 |
| Furr High School | 59 | 95 | 414 | 379 | 416 | 404 | 399 | 383 |
| HSLECJ | 76 | 101 | 467 | 444 | 468 | 447 | 455 | 447 |
| HSPVA | 122 | 142 | 576 | 556 | 545 | 562 | 561 | 558 |
| Hope Academy | - | 10 | - | 362 | - | 324 | - | 332 |
| Hou. Acad. Int'l | 30 | 68 | 430 | 445 | 441 | 455 | 432 | 432 |
| Houston MST | 196 | 207 | 393 | 388 | 417 | 435 | 394 | 391 |
| Int'l @ Sharps. | - | 36 | - | 404 | - | 444 | - | 411 |
| Jones HS | 53 | 73 | 382 | 368 | 376 | 383 | 372 | 348 |
| Jordan HS | 92 | 148 | 405 | 397 | 417 | 412 | 412 | 396 |
| Kashmere HS | 34 | 31 | 375 | 374 | 400 | 367 | 381 | 378 |
| Lamar HS | 431 | 584 | 523 | 508 | 533 | 514 | 515 | 493 |
| Leaders' Acad. | 27 | 14 | 369 | 359 | 357 | 361 | 372 | 356 |
| Lee HS | 205 | 252 | 398 | 379 | 436 | 412 | 390 | 374 |
| Madison HS | 190 | 228 | 394 | 393 | 417 | 400 | 401 | 380 |
| Milby HS | 193 | 316 | 416 | 385 | 445 | 412 | 406 | 380 |
| Mt. Carmel | - | 43 | - | 446 | - | 462 | - | 453 |
| New Aspirations | - | 5 | - | 420 | - | 398 | - | 396 |
| Reach Charter | 6 | - | 327 | - | 302 | - | 303 | - |
| Reagan HS | 141 | 176 | 423 | 421 | 448 | 457 | 418 | 410 |
| Scarborough HS | 76 | 73 | 416 | 398 | 429 | 442 | 431 | 398 |
| Sharpstown HS | 186 | 164 | 383 | 374 | 424 | 420 | 388 | 380 |
| Sterling HS | 76 | 112 | 393 | 388 | 394 | 400 | 396 | 388 |
| Waltrip HS | 154 | 206 | 460 | 448 | 466 | 466 | 450 | 429 |
| Washington HS | 108 | 101 | 439 | 442 | 453 | 453 | 425 | 420 |
| Westbury HS | 183 | 216 | 412 | 408 | 426 | 430 | 413 | 400 |
| Westside HS | 438 | 528 | 494 | 486 | 518 | 507 | 483 | 472 |
| Wheatley HS | 85 | 91 | 362 | 354 | 372 | 374 | 362 | 349 |
| Worthing HS | 106 | 156 | 374 | 375 | 385 | 389 | 375 | 380 |
| Yates HS | 96 | 149 | 388 | 397 | 401 | 402 | 399 | 381 |
| HISD | 4,920 | 6,221 | 457 | 445 | 477 | 470 | 454 | 440 |
| Texas | 148,102 | 166,012 | 484 | 479 | 505 | 502 | 473 | 465 |
| Nation | 1,547,990 | 1,647,123 | 501 | 497 | 516 | 514 | 492 | 489 |

- Not tested.

Class of 2011 SAT Performance by Student Group

2011 Mean SAT Scores by Ethnicity: District, State, and Nation

| Group | <u>HISD</u> | | | | | <u>Texas</u> | | | | | <u>Nation</u> | | | | |
|------------------------|--------------|------------|------------|------------|------------|----------------|------------|------------|------------|------------|------------------|------------|------------|------------|------------|
| | N Tested | % Tested | Read | Math | Writing | N Tested | % Tested | Read | Math | Writing | N Tested | % Tested | Read | Math | Writing |
| American Indian | 14 | 0 | 509 | 501 | 454 | 1,059 | 1 | 500 | 509 | 474 | 9,244 | 1 | 484 | 488 | 465 |
| Asian American | 421 | 7 | 544 | 611 | 553 | 10,990 | 7 | 522 | 583 | 521 | 183,853 | 11 | 517 | 595 | 528 |
| African American | 1,913 | 31 | 412 | 423 | 405 | 23,389 | 14 | 423 | 438 | 412 | 215,816 | 13 | 428 | 427 | 417 |
| Mexican, Mex. Amer. | 1,353 | 22 | 430 | 463 | 425 | 28,555 | 17 | 446 | 474 | 435 | 99,166 | 6 | 451 | 466 | 445 |
| Puerto Rican | 20 | 0 | 432 | 457 | 439 | 917 | 1 | 478 | 493 | 463 | 26,520 | 2 | 452 | 452 | 442 |
| Other Hispanic, Latino | 1,511 | 24 | 408 | 438 | 403 | 26,184 | 16 | 430 | 457 | 422 | 127,017 | 8 | 451 | 462 | 444 |
| White | 806 | 13 | 559 | 575 | 550 | 69,400 | 42 | 522 | 540 | 504 | 865,660 | 53 | 528 | 535 | 516 |
| Other | 117 | 2 | 494 | 490 | 486 | 2,791 | 2 | 500 | 511 | 485 | 58,699 | 4 | 493 | 517 | 492 |
| No Response | 66 | 1 | 454 | 459 | 428 | 2,727 | 2 | 454 | 467 | 435 | 61,148 | 4 | 448 | 496 | 450 |
| Female | 3,440 | 55 | 441 | 458 | 444 | 88,503 | 53 | 476 | 489 | 472 | 876,518 | 53 | 495 | 500 | 496 |
| Male | 2,781 | 45 | 450 | 485 | 434 | 77,509 | 47 | 482 | 516 | 458 | 770,605 | 47 | 500 | 531 | 482 |
| Total | 6,221 | 100 | 445 | 470 | 440 | 166,012 | 100 | 479 | 502 | 465 | 1,647,123 | 100 | 497 | 514 | 489 |

HISD 2011 School Day SAT Results by Campus

| Campus | N Tested | Reading Mean | Math Mean | Writing Mean | Total Mean |
|-------------------------------------|-----------------|---------------------|------------------|---------------------|-------------------|
| Austin Senior High School | 346 | 336 | 380 | 332 | 1048 |
| Bellaire Senior High School | 490 | 488 | 520 | 482 | 1490 |
| Carnegie Vanguard High School | 85 | 628 | 634 | 622 | 1884 |
| CEP Southeast | 7 | 304 | 376 | 329 | 1009 |
| CEP Southwest | 12 | 409 | 423 | 396 | 1228 |
| Challenge Early College High School | 66 | 473 | 490 | 483 | 1446 |
| Chavez High School | 477 | 374 | 425 | 374 | 1173 |
| Contemporary Learning Center | 35 | 318 | 353 | 314 | 985 |
| Davis Senior High School | 210 | 383 | 432 | 387 | 1202 |
| Debakey Hs Hlth Prof | 187 | 580 | 643 | 593 | 1816 |
| Eastwood Academy | 91 | 443 | 483 | 452 | 1378 |
| Energized for Stem-Central | 56 | 429 | 493 | 439 | 1361 |
| Furr High School | 84 | 366 | 402 | 368 | 1136 |
| High School for Law Enforcement | 127 | 427 | 442 | 440 | 1309 |
| High School For The Performing | 143 | 549 | 542 | 544 | 1635 |
| Hope Academy | 32 | 305 | 323 | 315 | 943 |
| Houston Academy For International | 84 | 453 | 477 | 453 | 1383 |
| International High School @ Sharps. | 79 | 391 | 462 | 398 | 1251 |
| Jones High School | 111 | 319 | 352 | 338 | 1009 |
| Jordan High School For Careers | 236 | 358 | 402 | 364 | 1124 |
| Kashmere Senior High School | 98 | 332 | 368 | 341 | 1041 |
| Lamar Senior High School | 555 | 473 | 494 | 463 | 1430 |
| Leader's Academy | 42 | 286 | 307 | 290 | 883 |
| Lee High School | 284 | 358 | 398 | 359 | 1115 |
| Madison Sr High School | 385 | 357 | 395 | 355 | 1107 |
| Milby High School | 442 | 370 | 402 | 356 | 1128 |
| Mount Carmel Academy | 76 | 405 | 431 | 401 | 1237 |
| New Aspirations Academy | 42 | 367 | 350 | 347 | 1064 |
| North Houston Early College | 69 | 447 | 498 | 463 | 1408 |
| Reach Charter School | 47 | 283 | 299 | 277 | 859 |
| Reagan Senior High School | 384 | 381 | 420 | 370 | 1171 |
| Sam Houston Math, Science, & Tech | 534 | 336 | 374 | 345 | 1055 |
| Scarborough Senior High School | 108 | 389 | 430 | 383 | 1202 |
| Sharpstown High School | 276 | 350 | 397 | 336 | 1083 |
| Sterling High School | 169 | 350 | 379 | 350 | 1079 |
| Waltrip Senior High School | 328 | 428 | 450 | 410 | 1288 |
| Washington High School | 162 | 383 | 423 | 391 | 1197 |
| Westbury Senior High School | 447 | 365 | 398 | 351 | 1114 |
| Westside High School | 641 | 451 | 480 | 447 | 1378 |
| Wheatley High School | 135 | 329 | 377 | 330 | 1036 |
| Worthing Senior High School | 145 | 348 | 373 | 347 | 1068 |
| Yates High School | 188 | 336 | 369 | 346 | 1051 |
| HISD | 8,515 | 398 | 433 | 395 | 1226 |