

**THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA
OFFICE OF THE SUPERINTENDENT**

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Approved memorandum with signatures on file.

September 2, 2005

TO: School Board Members

FROM: Katherine Blasik, Ph.D., Associate Superintendent
Research, Evaluation, Assessment & Boundaries

VIA: Frank Till
Superintendent of Schools

SUBJECT: **2005 STANFORD ACHIEVEMENT TEST, TENTH EDITION (SAT-10)
RESULTS - STANDARD CURRICULUM GROUPS IN READING
COMPREHENSION AND MATHEMATICS PROBLEM SOLVING**

The 2005 Florida Comprehensive Assessment Test (FCAT) scores for grades 3-10 released in May of 2005 indicated that Broward students performed as well or better than students around the state of Florida on the new Norm-Referenced (NRT) portion of the FCAT in Reading and Mathematics. In June of 2005, individual student results of the first administration of the Stanford Achievement Test, Tenth Edition (SAT-10) for students in grades 1 and 2 were disseminated to schools. Enclosed you will find the district and school-by-school summary data on the outcome of this assessment.

Test Adoption

In March 2005, Florida public school students in grades 3 through 10 took a new version of the Florida Comprehensive Assessment Test Norm-Referenced Test (FCAT NRT). A new FCAT NRT was required due to the out-of-date norms of the previous FCAT NRT, based upon the Stanford Achievement Test Series, Ninth Edition (SAT-9). The Florida Department of Education (FDOE) selected the Stanford Achievement Test, Tenth Edition (SAT-10) as the basis for the new FCAT NRT through a competitive bid process that considered both the technical qualities of the test and the cost.

Subsequently, the SAT-10 was selected by district staff for use in grades 1 and 2 to serve as a seamless transition to the FCAT in the assessment of student academic achievement. The Stanford Achievement Test, and all other norm-referenced achievement tests, must be periodically revised in order to reflect the most current curriculum content and teaching methods in the schools. To accomplish this, publishers collect achievement data from nationally representative groups of students providing a current reference (norm) group against which to compare scores.

The first administration of a new test does not afford the opportunity to make comparisons with past performance; this is true for the newest edition of a test or a completely new test. School staff should avoid drawing conclusions about changes in performance by comparing scores from different tests and different norm sets. The scores on the new Stanford test reflect different content and the performance of different normative samples.

When state and school district staff update their assessment programs by selecting and administering the most recent edition of a national test (SAT-10) there are often observed differences in the results produced by the new test when compared to the results produced by the test previously in use. Sometimes there is little or no change in scores – sometimes scores vary slightly – on the most recent edition of the test. Apparent changes, if they occur, are not necessarily real changes in student achievement and are referred to as a “changing norms phenomenon.” It is imperative that evaluation of student performance be conducted using the most appropriate test and norms that adequately reflect national achievement. Therefore, school staff should rely on the second and subsequent administrations of a new test to draw valid conclusions about trends or growth in local performance.

As this is the first year the SAT-10 is in use in Broward to measure achievement, the scores may reflect a “changing norms phenomenon.” Average school or district norm-referenced scores may be higher or lower than they were on the SAT-9 as the characteristics of the national sample used to establish the norms for the SAT-10 may be different from the characteristics of the sample upon which the previous test (SAT-9) was normed. Both tests were representative of the nation as a whole at the time of standardization. Again, the new test also assesses different content. While curriculum content changes gradually over time, content assessed on a particular test changes only when the test itself is changed. Higher or lower scores on the newer, more recently normed test do not necessarily mean that students who earned those scores are more or less capable than previous students. As a result of these factors, the only scores reported in this document are those that reflect student performance on the 2005 administration of the SAT-10. Prior year reports providing historical data on student performance on the SAT-9 can be accessed via the Student Assessment & School Performance Department website, located at <http://www.broward.k12.fl.us/studentassessment/reports.htm>.

SAT-10 Districtwide Results

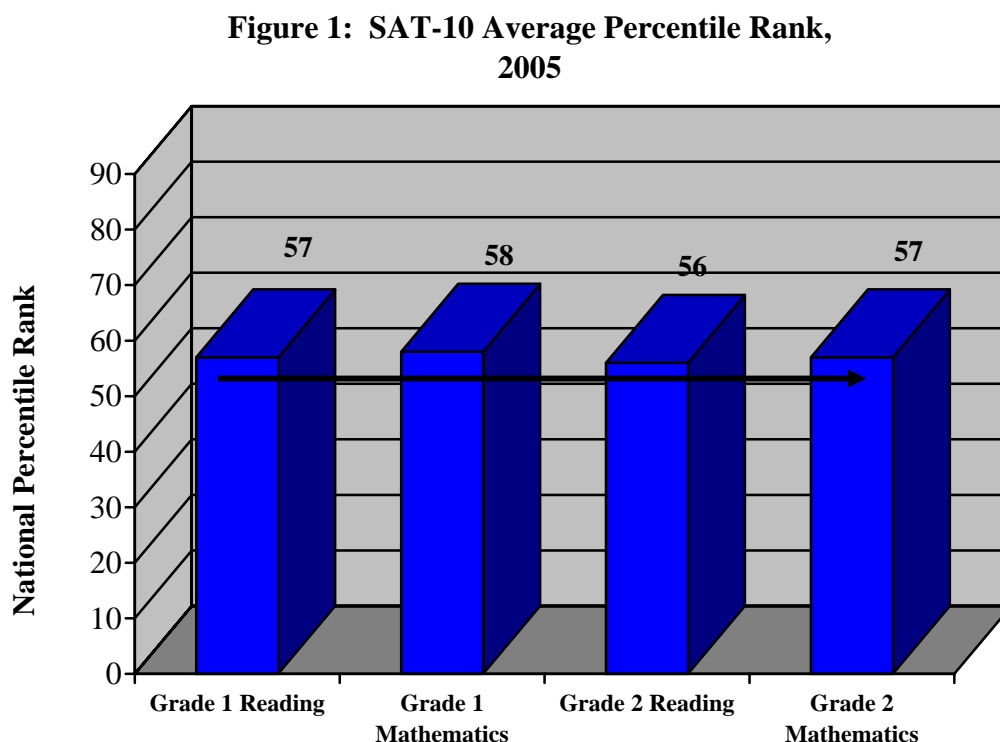
Reading and Mathematics test results for Broward grade 1 and grade 2 students who participated in SAT-10 testing in 2005 are summarized in Table 1. When reviewing test scores, remember that the average national percentile score is 50.

The 2005 FCAT results for students in grades 3 through 10 were released by the FDOE in May of 2005. These results indicated that Broward students performed as well or better than students around the state of Florida on the new Norm-Referenced (NRT) portion of the FCAT in Reading and Mathematics. Results of the spring 2005 administration of the SAT-10 show similar achievement for students in grades 1 and 2. As you will see in the attached report, student performance on the nationally normed SAT-10 exceeded the national average (the 50th percentile) for grades 1 and 2 in both Reading and Mathematics. The SAT-10 is a parallel assessment to the FCAT-NRT given in grades 3-10 and is therefore a strong indicator of future FCAT performance.

Table 1 indicates that, on average, district student performance on the nationally normed SAT-10 was above the national average (50th percentile) for grades 1 and 2 in Reading and Mathematics. **Again, because this was the first year that the new version of this assessment was administered, only one year of data are reported.**

Table 1: Broward SAT-10 Average Percentile Rank		
Grade	Reading	Mathematics
1	57	58
2	56	57

Figure 1 graphically illustrates Broward's 2005 SAT-10 performance for grades 1 and 2. The horizontal arrow indicates the average national percentile rank of 50.



SAT-10 Results by Gender

The SAT-10 results displayed in Table 2 are disaggregated by gender. Note that the average Reading scores for females surpassed those for males at grades 1 and 2. In Mathematics, scores for grade 1 females were slightly higher than scores for males. At grade 2, Mathematics scores for males were slightly higher than scores for females.

Table 2: Broward SAT-10 Results by Gender								
	Grade 1				Grade 2			
	Reading		Mathematics		Reading		Mathematics	
Gender	#	%ile	#	%ile	#	%ile	#	%ile
Female	9,714	63	9,685	59	9,745	61	9,729	56
Male	10,675	52	10,644	57	10,576	51	10,567	58

SAT-10 Results by Ethnicity

Table 3 provides grade 1 and 2 SAT-10 test results by ethnicity. With the exception of Black students, each ethnic group registered test scores well above the national average of 50 for both Mathematics and Reading. The percentile scores for Black students were below the national average in Mathematics and Reading for grades 1 and 2. While test scores for American Indian students are displayed, the low enrollment dictates that results should be interpreted with caution.

Table 3: Broward SAT-10 Results by Ethnicity								
	Grade 1				Grade 2			
	Reading		Mathematics		Reading		Mathematics	
Ethnicity	#	%ile	#	%ile	#	%ile	#	%ile
American Indian	54	55	54	55	37	68	38	59
Asian	641	70	641	69	701	71	703	66
Black	7,249	49	7,220	44	7,214	40	7,222	44
Hispanic	5,144	55	5,133	57	5,169	58	5,171	55
Multiracial	645	62	645	61	640	63	642	64
White	6,656	66	6,636	71	6,535	72	6,545	67

SAT-10 School-by-School Results

School-by-school results are attached to this report in Appendix A. Appendix Tables A1 through A5 summarize individual Broward school data results for Grades 1 and 2. Please note that scores are only reported for 2005, as this is the first year that the SAT-10 was administered to first and second grade students in Broward County.

Highlights of Broward schools' score reports indicate that:

- 100 of 146 (68%) Broward elementary schools registered percentile ranks at or above the national mean in Reading Comprehension for first grade.
- 96 of 146 (66%) Broward elementary schools registered percentile ranks at or above the national mean in Mathematics Problem Solving for first grade.
- 93 of 147 (63%) Broward elementary schools registered percentile ranks at or above the national mean in Reading Comprehension for second grade.
- 88 of 147 (60%) Broward elementary schools registered percentile ranks at or above the national mean in Mathematics Problem Solving for second grade.
- Notably, students at 18 Broward elementary schools posted average percentile ranks at or above the 75th percentile in at least one area, with **students at two elementary schools (Bayview and Embassy Creek) posting average percentile ranks at or above the 75th percentile in both subject areas (Reading Comprehension and Mathematics Problem Solving) across both grade levels (first and second).**

Although these results are encouraging, continued effort and increased support must be available for schools. Each Principal and his/her Area Director shall review school scores on the SAT-10 and identify appropriate interventions, particularly for schools posting scores below the national mean on this assessment (below the 50th percentile).

2005 SAT-10 Results

September 2, 2005

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This memorandum and the attached appendix can be accessed on the Student Assessment & School Performance Department website at <http://www.broward.k12.fl.us/studentassessment/reports.htm>. If you have any questions regarding this report, please feel free to contact **me at 754-321-2470 or Kimberley Kraft, Director, Student Assessment & School Performance, at 754-321-4257.**

FT/KAB/KEK/DG:sjm

Attachments

cc: Senior Management
Area Directors
Principals
Diane Carr, Executive Director, Core Curriculum
Frank Vodolo, Executive Director, Educational Programs

APPENDIX A
2005 SAT-10 Results by School

Table A1:
North Area Schools

	Grade 1				Grade 2			
	Reading		Mathematics		Reading		Mathematics	
	Number	%ile	Number	%ile	Number	%ile	Number	%ile
District Total	20,389	57	20,329	58	20,321	56	20,296	57
North Area Schools								
Atlantic West	168	55	168	55	152	54	152	51
Coconut Creek	144	65	144	68	139	67	140	66
Coral Park	130	67	130	68	116	69	116	67
Coral Springs	159	53	158	42	142	49	141	45
Country Hills	187	63	187	72	183	70	183	76
Cresthaven	123	47	122	48	104	45	105	47
Cross Creek School	4	*	4	*	5	*	5	*
Cypress	141	40	141	41	139	43	139	50
Deerfield Beach	126	47	126	42	139	50	138	52
Deerfield Park	121	49	120	47	117	49	117	48
Drew, Charles	82	35	82	31	86	34	86	30
Eagle Ridge	144	72	144	75	162	70	163	69
Forest Hills	110	44	110	55	106	55	106	54
Hunt, James S.	161	63	158	68	168	53	165	48
Liberty	190	51	190	50	219	48	219	45
Maplewood	114	53	112	54	154	59	152	57
Margate	202	52	202	53	196	54	196	56
Markham, Robert C.	106	41	106	49	94	33	94	41
McNab	131	67	131	67	102	60	103	65
Morrow	132	35	132	38	129	45	129	43
Norcrest	112	48	112	60	150	45	150	43
North Lauderdale	181	43	181	35	168	36	167	37
Palmview	102	29	102	27	93	47	93	34
Park Ridge	81	44	81	40	89	37	89	38
Parkside	172	54	171	58	141	54	141	56
Park Springs	153	63	153	73	151	67	151	75
Park Trails	205	75	203	82	217	71	218	80
Pompano Beach	90	53	90	55	113	49	113	57
Quiet Waters	209	54	209	54	199	56	199	52
Ramblewood	161	64	160	68	173	60	172	67
Riverglades	155	74	154	82	157	77	157	81
Riverside	135	66	133	67	159	70	160	73
Sanders Park	106	34	106	35	103	32	103	25
Tamarac	201	66	199	63	212	59	212	56
Tedder	130	31	127	34	120	34	118	28
Tradewinds	198	58	198	63	185	62	185	60
Westchester	190	65	190	59	204	67	204	71
Winston Park	208	67	208	67	211	59	211	64
*No data reported if ten or fewer students were tested.								

**Table A2:
North Central Area Schools**

	Grade 1				Grade 2			
	Reading		Mathematics		Reading		Mathematics	
	Number	%ile	Number	%ile	Number	%ile	Number	%ile
District Total	20,389	57	20,329	58	20,321	56	20,296	57
North Central Area Schools								
Banyan	172	59	172	64	135	60	135	57
Blanche Forman	134	56	134	62	145	60	145	62
Broadview	168	61	168	61	152	50	153	47
Castle Hill	121	51	120	33	115	36	115	35
Challenger	202	66	202	63	222	57	219	62
Dwight D. Eisenhower	143	69	142	66	155	71	155	72
Endeavor	110	45	110	35	101	36	101	31
Floranada	139	62	139	61	132	65	132	68
Horizon	176	57	176	54	166	58	165	61
Larkdale	78	62	78	51	76	36	76	44
Lauderhill, P. T.	126	54	125	42	102	46	101	41
Lloyd Estates	97	47	97	44	99	39	99	28
Nob Hill	151	72	151	72	132	70	132	69
North Andrews Gardens	110	61	110	61	151	60	151	59
Oakland Park	101	52	101	39	114	43	114	43
Oriole	133	53	132	45	144	40	143	34
Park Lakes	237	42	236	33	228	35	227	27
Pinewood	151	52	151	52	146	51	145	52
Royal Palm	150	51	150	45	148	50	148	44
Sandpiper	157	59	157	57	155	63	155	61
Seagull	2	*	2	*	2	*	2	*
Sunset School	4	*	4	*	8	*	8	*
Welleby	151	57	150	57	150	58	150	52
*No data reported if ten or fewer students were tested.								

**Table A3:
South Central Area Schools**

	Grade 1				Grade 2			
	Reading		Mathematics		Reading		Mathematics	
	Number	%ile	Number	%ile	Number	%ile	Number	%ile
District Total	20,389	57	20,329	58	20,321	56	20,296	57
South Central Area Schools								
Bayview	119	80	119	82	93	75	92	85
Bennett	66	47	66	47	67	51	67	38
Broward Estates	122	53	122	45	104	47	104	46
Central Park	230	70	230	68	192	68	191	71
Country Isles	183	65	183	71	159	70	159	71
Croissant Park	112	48	111	48	131	46	131	42
Dillard	105	60	105	74	106	59	105	62
Eagle Point	230	73	230	75	225	72	225	84
Everglades	185	71	185	77	188	66	188	76
Flamingo	129	54	129	65	141	59	139	69
Foster, Stephen	131	54	130	64	118	54	117	57
Fox Trail	191	69	189	73	194	71	194	80
Gator Run	225	74	225	80	213	70	213	74
Harbordale	76	57	76	60	67	62	67	59
Hawkes Bluff	161	69	160	77	177	73	176	81
Indian Trace	113	78	112	74	134	77	133	83
King, Martin Luther	109	51	107	55	112	47	114	61
Lauderdale Manors	84	40	83	35	99	32	99	34
Manatee Bay	205	69	204	73	193	71	194	75
Marshall, Thurgood	98	38	98	43	92	37	92	29
Meadowbrook	109	35	109	49	103	49	103	50
Mirror Lake	103	57	103	56	106	54	106	45
North Fork	91	32	90	26	86	36	85	20
North Side	103	39	103	26	89	34	89	28
Peters	134	56	134	55	132	52	132	59
Pine Ridge	1	*	1	*	2	*	2	*
Plantation	143	40	142	33	124	41	126	30
Plantation Park	96	65	96	60	82	61	82	64
Riverland	101	47	101	39	108	54	108	45
Rock Island	112	33	112	28	96	37	96	35
Sawgrass	166	59	166	52	152	64	151	63
Silver Ridge	164	63	164	63	169	68	169	74
Sunland Park	86	30	86	31	53	32	55	33
Tropical	155	68	153	73	149	63	148	66
Village	146	52	146	57	160	33	160	31
Walker	137	54	137	46	132	45	131	33
Westwood Heights	130	34	130	35	119	38	118	27
Wilton Manors	109	55	109	69	112	61	112	58
Young, Virginia S.	125	71	125	71	124	66	123	67
*No data reported if ten or fewer students were tested.								

**Table A4:
South Area Schools**

	Grade 1				Grade 2			
	Reading		Mathematics		Reading		Mathematics	
	Number	%ile	Number	%ile	Number	%ile	Number	%ile
District Total	20,389	57	20,329	58	20,321	56	20,296	57
South Area Schools								
Bethune, Mary	158	41	158	41	135	45	134	40
Boulevard Heights	160	57	159	60	142	50	142	46
Chapel Trail	193	74	192	73	219	69	219	71
Coconut Palm	197	68	196	61	191	61	192	61
Colbert	122	43	122	44	126	41	125	33
Collins	62	34	62	34	61	31	61	22
Cooper City	157	65	157	73	155	59	155	55
Coral Cove	81	49	81	48	73	50	74	56
Dania	94	40	92	43	90	43	88	33
Davie	170	46	170	46	152	50	151	49
Driftwood	115	48	114	54	103	58	103	64
Embassy Creek	137	75	137	77	158	77	158	83
Fairway	158	55	157	47	136	47	135	36
Griffin	83	59	83	73	134	69	134	76
Hallandale	228	46	227	52	221	47	222	69
Hollywood Central	97	37	97	44	137	44	137	39
Hollywood Hills	155	54	154	58	142	63	142	68
Hollywood Park	89	43	88	43	92	52	92	54
Lake Forest	164	44	164	37	150	42	150	40
Lakeside	187	66	187	66	170	66	170	69
Lanier-James Ed. Center	0	*	0	*	3	*	3	*
Miramar	145	54	145	52	140	43	140	41
Oakridge	166	56	165	46	153	50	153	54
Orange Brook	152	47	151	44	138	50	139	62
Palm Cove	185	59	184	61	199	54	199	67
Panther Run	146	71	146	72	156	63	156	69
Pasadena Lakes	114	49	114	57	141	61	141	67
Pembroke Lakes	129	71	129	70	136	66	136	68
Pembroke Pines	134	56	134	58	141	48	139	44
Perry, Annabel C.	123	46	123	39	109	44	109	40
Pines Lakes	131	70	131	67	162	50	162	50
Sea Castle	194	58	193	54	179	53	179	45
Sheridan Hills	77	57	77	65	119	61	119	65
Sheridan Park	145	52	144	57	114	54	114	48
Silver Lakes	181	65	181	62	166	54	167	61
Silver Palms	158	65	158	70	162	67	162	71
Silver Shores	211	66	211	65	216	65	217	67
Stirling	137	47	136	49	126	53	125	51
Sunset Lakes	154	66	153	66	176	71	176	70
Sunshine	163	53	163	55	173	54	173	61
Watkins	117	42	116	39	172	37	172	36
West Hollywood	135	44	135	53	126	51	126	49
Whispering Pines	1	*	1	*	2	*	2	*
*No data reported if ten or fewer students were tested.								

**Table A5:
Charter Schools**

	Grade 1				Grade 2			
	Reading		Mathematics		Reading		Mathematics	
	Number	%ile	Number	%ile	Number	%ile	Number	%ile
District Total	20,389	57	20,329	58	20,321	56	20,296	57
Charter Schools								
Broward Community Charter	23	68	23	56	25	62	25	65
Central Charter	100	55	100	61	83	47	83	46
Chancellor Charter North Lauderdale	0	*	0	*	0	*	0	*
Chancellor Charter Weston	175	78	175	77	177	72	175	79
Charter Institute Hallandale	7	*	7	*	4	*	4	*
Charter School of Excellence	52	72	52	76	51	45	51	43
City of Pembroke Pines Charter	297	71	297	74	300	71	300	73
Hollywood Academy of Arts and Science	70	58	69	57	81	47	80	46
North Broward Academy of Excellence	26	69	26	81	44	44	44	48
Somerset Academy Davie	32	60	32	71	31	50	31	56
Somerset Academy Elementary	131	73	130	73	135	65	135	73
Somerset Neighborhood	9	*	9	*	16	43	16	50
*No data reported if ten or fewer students were tested.								