

## Mathematics, Grade 10

## Science, Grades 5, 8 and 11

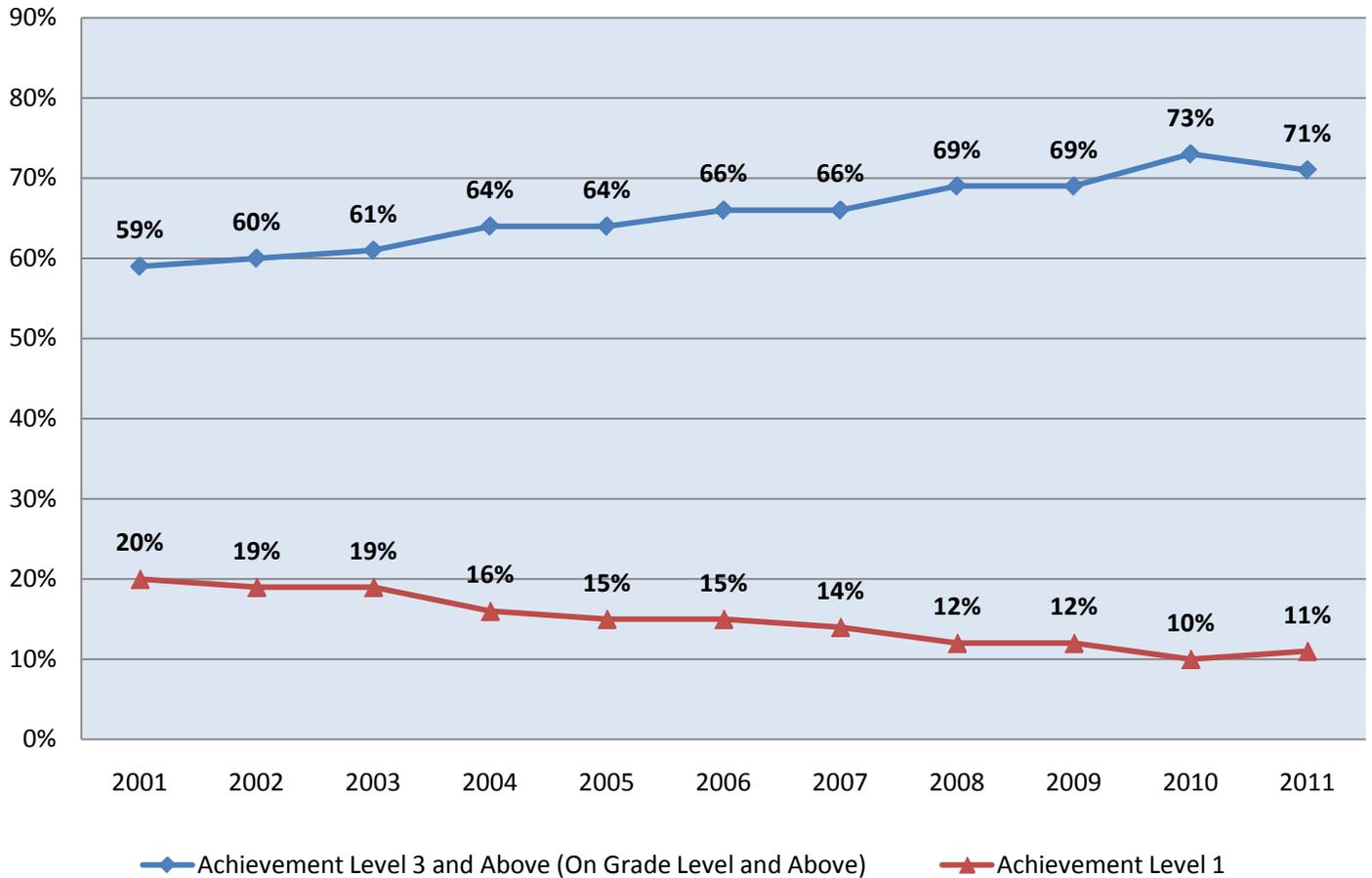


# Grade 10

# Mathematics

Percentages displayed in this document for 2011 may reflect minor differences from percentages published in last year's media packet and on the Department's FCAT Demographics website. This is because of routine updates made to student demographic data subsequent to last year's FCAT release. The percentages in the mathematics section of this document reflect differences from percentages published in last year's media packet. This is because FCAT Mathematics was only taken by students in grade 10 this year, so prior years' FCAT results have been adjusted to reflect grade 10 only. There is no longer FCAT Mathematics data for grades 3-9 because students now take FCAT 2.0 Mathematics (grades 3-8) or the Algebra 1 End-of-Course (EOC) Assessment in lieu of the FCAT; the Grade 9 FCAT Mathematics assessment has been discontinued. The *FCAT 2.0 Reading and Mathematics Media Packet* and the *Algebra 1 EOC Assessment State Report of Districts* may be accessed at <http://fcat.fldoe.org/mediapacket/2011/default.asp>.

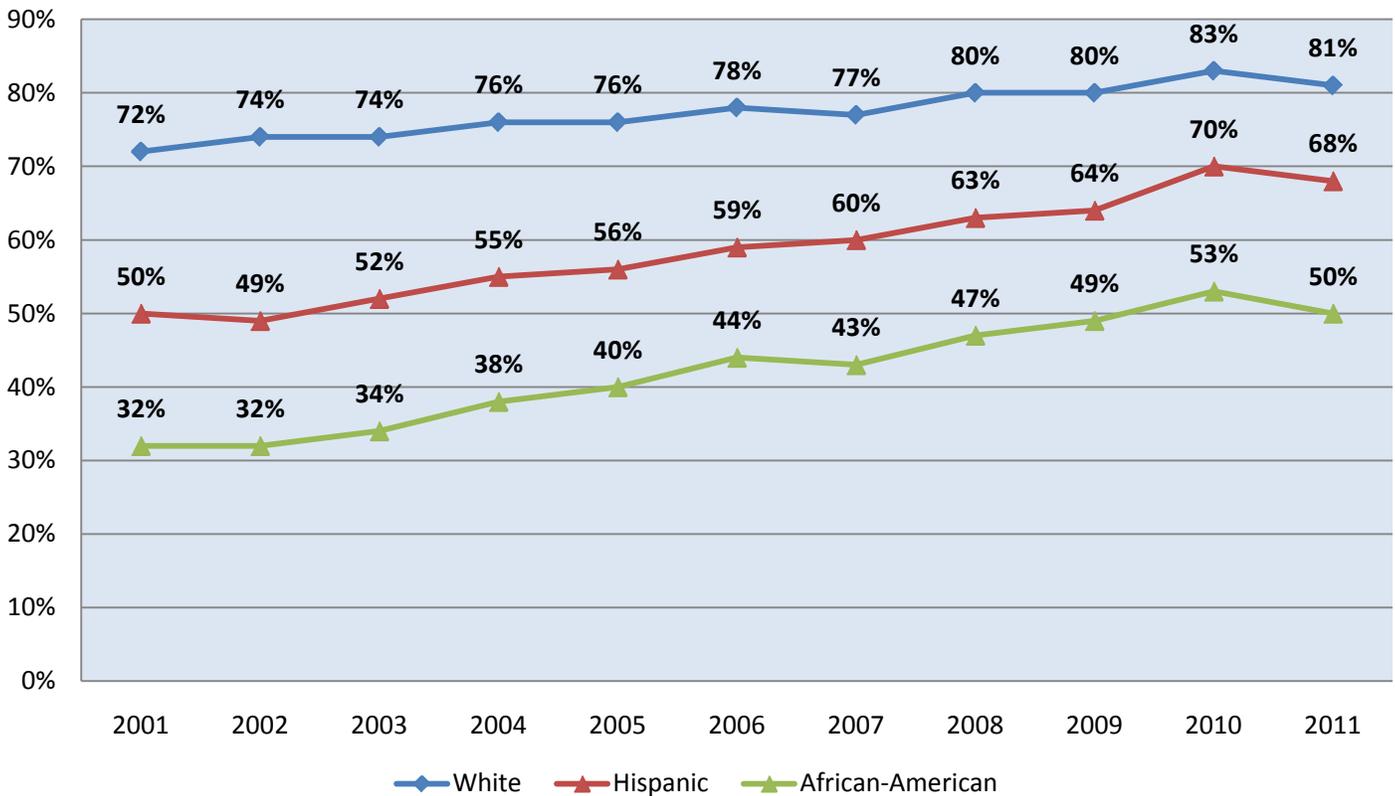
### FCAT Mathematics by Achievement Level Grade 10



In 2011, 71 percent of students in grade 10 were performing at or above Achievement Level 3 (on grade level and above) on FCAT Mathematics. This is an increase from 59 percent in 2001, 60 percent in 2002, 61 percent in 2003, 64 percent in 2004, 64 percent in 2005, 66 percent in 2006, 66 percent in 2007, 69 percent in 2008, 69 percent in 2009, and a decrease from 73 percent in 2010 for a total increase of 12 percentage points. In 2011, 11 percent of all students in grade 10 were performing at Achievement Level 1 on FCAT Mathematics. This is a decrease from 20 percent in 2001, 19 percent in 2002, 19 percent in 2003, 16 percent in 2004, 15 percent in 2005, 15 percent in 2006, 14 percent in 2007, 12 percent in 2008, 12 percent in 2009, and an increase from 10 percent in 2010 for a total decrease of 9 percentage points.

Source: K20 Education Data Warehouse  
Florida Department of Education, June 2011

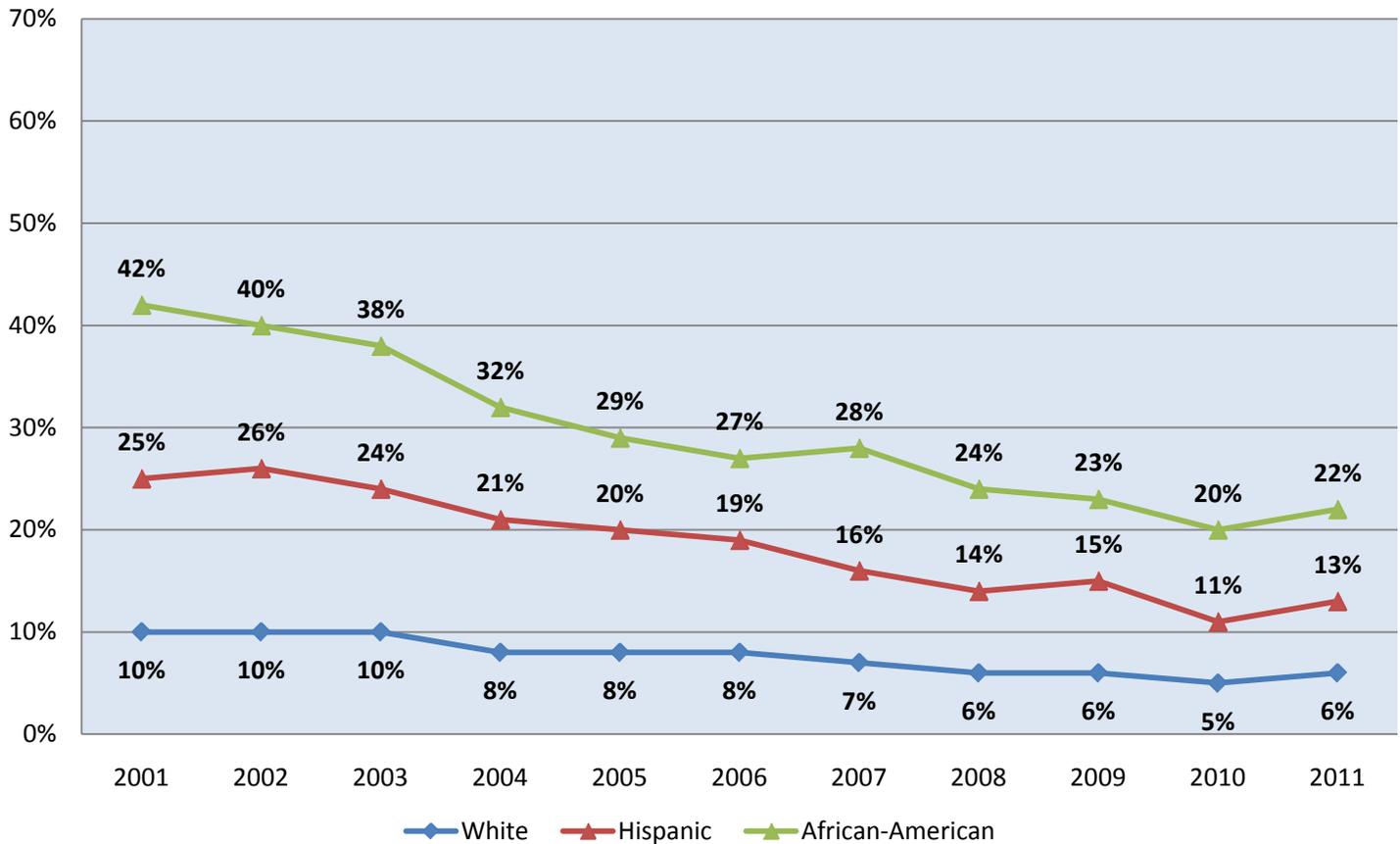
### FCAT Mathematics Achievement Level 3 and Above (On Grade Level and Above) Grade 10



In 2011, 81 percent of White students in grade 10 were performing at or above Achievement Level 3 (on grade level and above) on FCAT Mathematics. This is an increase from 72 percent in 2001, 74 percent in 2002, 74 percent in 2003, 76 percent in 2004, 76 percent in 2005, 78 percent in 2006, 77 percent in 2007, 80 percent in 2008, 80 percent in 2009, and a decrease from 83 percent in 2010 for a total increase of 9 percentage points. In 2011, 68 percent of Hispanic students in grade 10 were performing at or above Achievement Level 3 on FCAT Mathematics. This is an increase from 50 percent in 2001, 49 percent in 2002, 52 percent in 2003, 55 percent in 2004, 56 percent in 2005, 59 percent in 2006, 60 percent in 2007, 63 percent in 2008, 64 percent in 2009, and a decrease from 70 percent in 2010 for a total increase of 18 percentage points. In 2011, 50 percent of African-American students in grade 10 were performing at or above Achievement Level 3 (on grade level and above) on FCAT Mathematics. This is an increase from 32 percent in 2001, 32 percent in 2002, 34 percent in 2003, 38 percent in 2004, 40 percent in 2005, 44 percent in 2006, 43 percent in 2007, 47 percent in 2008, 49 percent in 2009, and a decrease from 53 percent in 2010 for a total increase of 18 percentage points.

Source: K20 Education Data Warehouse  
Florida Department of Education, June 2011

### FCAT Mathematics Achievement Level 1 Grade 10



In 2011, 6 percent of White students in grade 10 were performing at Achievement Level 1 on FCAT Mathematics. This is a decrease from 10 percent in 2001, 10 percent in 2002, 10 percent in 2003, 8 percent in 2004, 8 percent in 2005, 8 percent in 2006, 7 percent in 2007, equal to 6 percent in 2008, equal to 6 percent in 2009, and increase from 5 percent in 2010 for a total decrease of 4 percentage points. In 2011, 13 percent of Hispanic students in grade 10 were performing at Achievement Level 1 on FCAT Mathematics. This is a decrease from 25 percent in 2001, 26 percent in 2002, 24 percent in 2003, 21 percent in 2004, 20 percent in 2005, 19 percent in 2006, 16 percent in 2007, 14 percent in 2008, 15 percent in 2009, and increase from 11 percent in 2010 for a total decrease of 12 percentage points. In 2011, 22 percent of African-American students in grade 10 were performing at Achievement Level 1 on FCAT Mathematics. This is a decrease from 42 percent in 2001, 40 percent in 2002, 38 percent in 2003, 32 percent in 2004, 29 percent in 2005, 27 percent in 2006, 28 percent in 2007, 24 percent in 2008, 23 percent in 2009, and an increase from 20 percent in 2010 for a total decrease of 20 percentage points.

Source: K20 Education Data Warehouse  
Florida Department of Education, June 2011

**Mathematics Scores**  
**Statewide Comparison for 2001 to 2011**  
 FCAT Mathematics – Sunshine State Standards Test<sup>1</sup>

Grade	Year	Number of Students	Mean Developmental Scale Score	Mean Scale Score	Percent of Students by Achievement Level					Achievement Level Three & Above <sup>2</sup>
					1	2	3	4	5	
10	2001	144,236	1975	321	20	21	24	25	10	59
	2002	149,783	1967	319	19	21	25	27	8	60
	2003	165,624	1970	320	19	20	24	27	9	60
	2004	166,227	1982	323	16	21	26	29	9	63
	2005	178,530	1979	322	15	22	27	28	8	63
	2006	184,635	1987	324	15	19	26	31	8	65
	2007	185,346	1983	323	14	20	28	30	7	65
	2008	184,617	1998	327	12	19	28	33	8	69
	2009	185,910	2000	327	12	18	29	32	8	69
	2010	179,252	2014	331	10	17	29	35	9	73
	2011	184,332	2009	329	11	18	28	34	9	71

<sup>1</sup> Data are for all students tested in all curriculum groups.

<sup>2</sup> Adding the percentages in Levels 3-5 may not result in the percentage reported under “Level Three & Above” due to rounding.

**2011 FCAT Mathematics – Grade 10  
Percent Comparison by Year and District**

Achievement Level 3 and Above (On Grade Level and Above)

District	2011	2010	Change 2010-2011
STATE	71%	73%	-2%
ALACHUA	70%	72%	-2%
BAKER	77%	72%	5%
BAY	75%	77%	-2%
BRADFORD	57%	61%	-4%
BREVARD	82%	84%	-2%
BROWARD	71%	73%	-2%
CALHOUN	71%	77%	-6%
CHARLOTTE	74%	79%	-5%
CITRUS	75%	73%	2%
CLAY	76%	77%	-1%
COLLIER	72%	70%	2%
COLUMBIA	70%	69%	1%
DADE	68%	73%	-5%
DESOTO	57%	68%	-11%
DIXIE	81%	72%	9%
DUVAL	66%	66%	0%
ESCAMBIA	65%	68%	-3%
FLAGLER	70%	71%	-1%
FRANKLIN	47%	59%	-12%
GADSDEN	58%	56%	2%
GILCHRIST	80%	79%	1%
GLADES	67%	65%	2%
GULF	65%	72%	-7%
HAMILTON	44%	48%	-4%
HARDEE	56%	69%	-13%
HENDRY	65%	66%	-1%
HERNANDO	74%	75%	-1%
HIGHLANDS	69%	69%	0%
HILLSBOROUGH	70%	72%	-2%
HOLMES	66%	69%	-3%
INDIAN RIVER	73%	77%	-4%
JACKSON	68%	72%	-4%
JEFFERSON	41%	44%	-3%
LAFAYETTE	80%	66%	14%
LAKE	66%	73%	-7%
LEE	69%	69%	0%
LEON	77%	77%	0%
LEVY	70%	67%	3%
LIBERTY	72%	69%	3%

District	2011	2010	Change 2010-2011
STATE	71%	73%	-2%
MADISON	44%	58%	-14%
MANATEE	68%	72%	-4%
MARION	70%	73%	-3%
MARTIN	81%	84%	-3%
MONROE	76%	75%	1%
NASSAU	79%	80%	-1%
OKALOOSA	83%	83%	0%
OKEECHOBEE	65%	63%	2%
ORANGE	66%	69%	-3%
OSCEOLA	64%	65%	-1%
PALM BEACH	74%	77%	-3%
PASCO	74%	74%	0%
PINELLAS	70%	72%	-2%
POLK	63%	64%	-1%
PUTNAM	58%	67%	-9%
SANTA ROSA	81%	80%	1%
SARASOTA	79%	81%	-3%
SEMINOLE	83%	83%	-2%
ST. JOHNS	84%	85%	-1%
ST. LUCIE	64%	69%	-5%
SUMTER	76%	76%	0%
SUWANNEE	67%	66%	1%
TAYLOR	69%	76%	-7%
UNION	65%	69%	-4%
VOLUSIA	69%	69%	0%
WAKULLA	81%	78%	3%
WALTON	73%	80%	-7%
WASHINGTON	72%	67%	5%

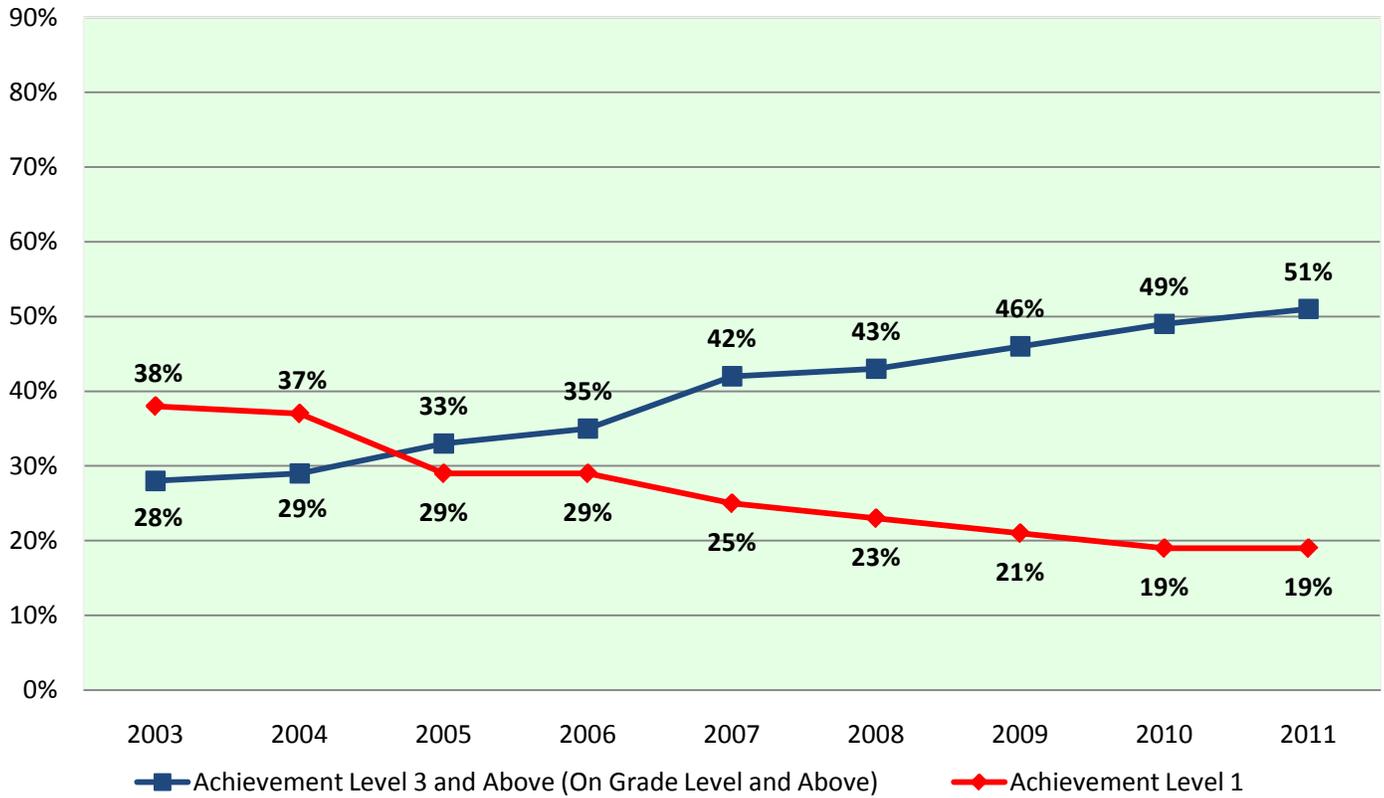
**2011 FCAT Mathematics – Grade 10**  
**Percent Comparison by Year and District**  
 Achievement Level 1

District	2011	2010	Change 2010-2011
STATE	11%	10%	1%
ALACHUA	14%	11%	3%
BAKER	9%	10%	-1%
BAY	8%	6%	2%
BRADFORD	19%	15%	4%
BREVARD	6%	5%	1%
BROWARD	11%	10%	1%
CALHOUN	11%	7%	4%
CHARLOTTE	10%	8%	2%
CITRUS	9%	9%	0%
CLAY	8%	7%	1%
COLLIER	12%	12%	0%
COLUMBIA	9%	12%	-3%
DADE	13%	9%	4%
DESOTO	17%	12%	5%
DIXIE	6%	7%	-1%
DUVAL	14%	13%	1%
ESCAMBIA	14%	12%	2%
FLAGLER	12%	11%	1%
FRANKLIN	20%	12%	8%
GADSDEN	12%	15%	-3%
GILCHRIST	3%	7%	-4%
GLADES	9%	17%	-8%
GULF	11%	8%	3%
HAMILTON	22%	13%	9%
HARDEE	21%	10%	11%
HENDRY	11%	12%	-1%
HERNANDO	8%	8%	0%
HIGHLANDS	12%	11%	1%
HILLSBOROUGH	12%	10%	2%
HOLMES	14%	11%	3%
INDIAN RIVER	10%	7%	3%
JACKSON	12%	12%	0%
JEFFERSON	22%	27%	-5%
LAFAYETTE	10%	9%	1%
LAKE	12%	9%	3%
LEE	13%	12%	1%
LEON	7%	7%	0%

District	2011	2010	Change 2010-2011
STATE	11%	10%	1%
LEVY	11%	11%	0%
LIBERTY	3%	7%	-4%
MADISON	20%	17%	3%
MANATEE	12%	10%	2%
MARION	11%	10%	1%
MARTIN	8%	5%	3%
MONROE	13%	9%	4%
NASSAU	6%	5%	1%
OKALOOSA	5%	5%	0%
OKEECHOBEE	11%	13%	-2%
ORANGE	15%	13%	2%
OSCEOLA	16%	15%	1%
PALM BEACH	10%	8%	2%
PASCO	10%	9%	1%
PINELLAS	13%	12%	1%
POLK	16%	15%	1%
PUTNAM	17%	12%	5%
SANTA ROSA	6%	6%	0%
SARASOTA	7%	7%	0%
SEMINOLE	5%	5%	0%
ST. JOHNS	6%	5%	1%
ST. LUCIE	13%	12%	1%
SUMTER	8%	5%	3%
SUWANNEE	11%	10%	1%
TAYLOR	10%	9%	1%
UNION	11%	13%	-2%
VOLUSIA	12%	11%	1%
WAKULLA	3%	7%	-4%
WALTON	9%	7%	2%
WASHINGTON	11%	11%	0%

# Science

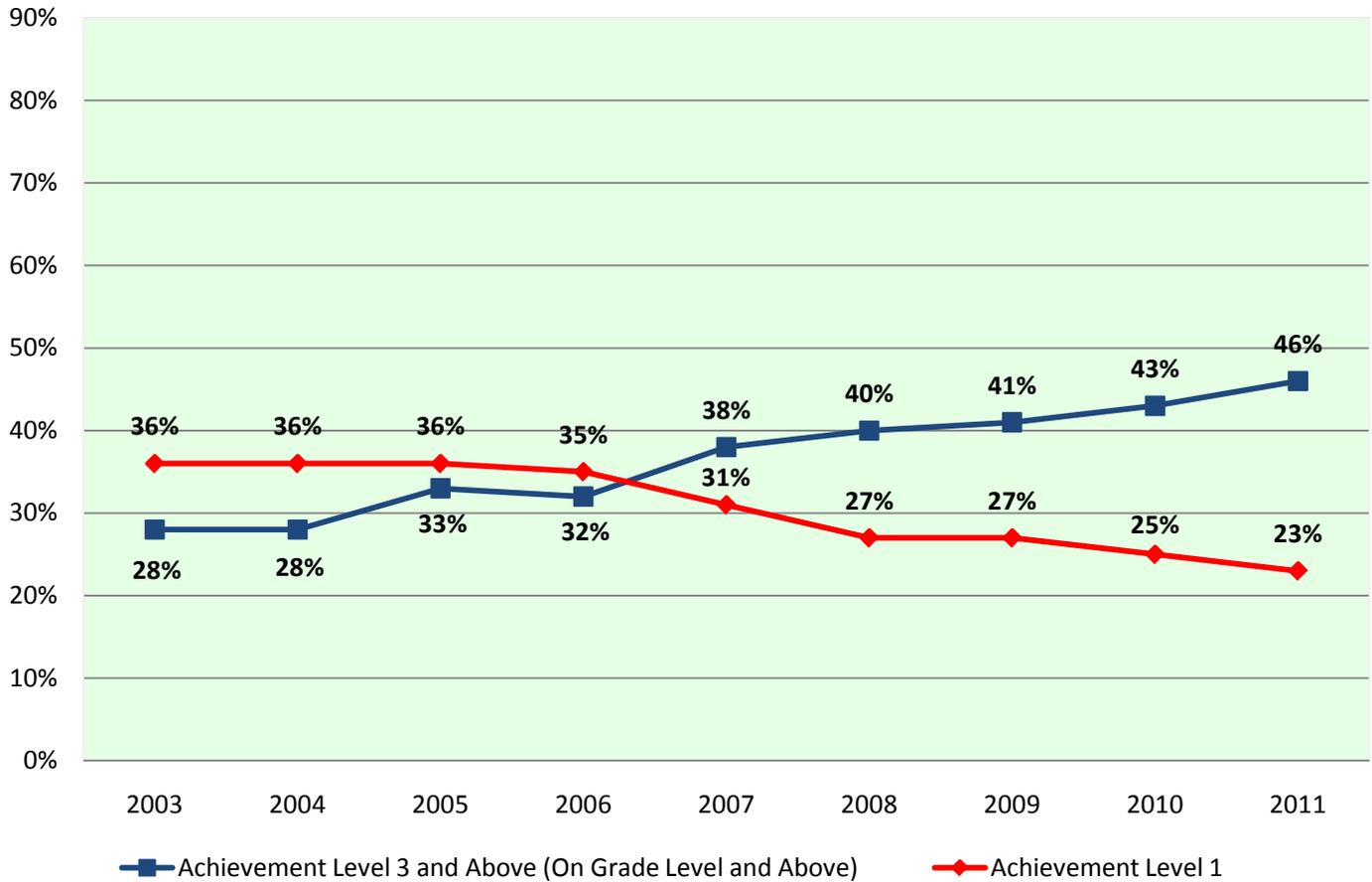
### FCAT Science by Achievement Level Grade 5



In 2011, 51 percent of students in grade 5 were performing at or above Achievement Level 3 (on grade level and above) on FCAT Science. This is an increase from 28 percent in 2003, 29 percent in 2004, 33 percent in 2005, 35 percent in 2006, 42 percent in 2007, 43 percent in 2008, 46 percent in 2009, and 49 percent in 2010 for a total increase of 23 percentage points. In 2011, 19 percent of students in grade 5 were performing at Achievement Level 1 on FCAT Science. This is a decrease from 38 percent in 2003, 37 percent in 2004, 29 percent in 2005, 29 percent in 2006, 25 percent in 2007, 23 percent in 2008, 21 percent in 2009, and is equal to 19 percent in 2010 for a total decrease of 19 percentage points.

Source: K20 Education Data Warehouse  
Florida Department of Education, June 2011

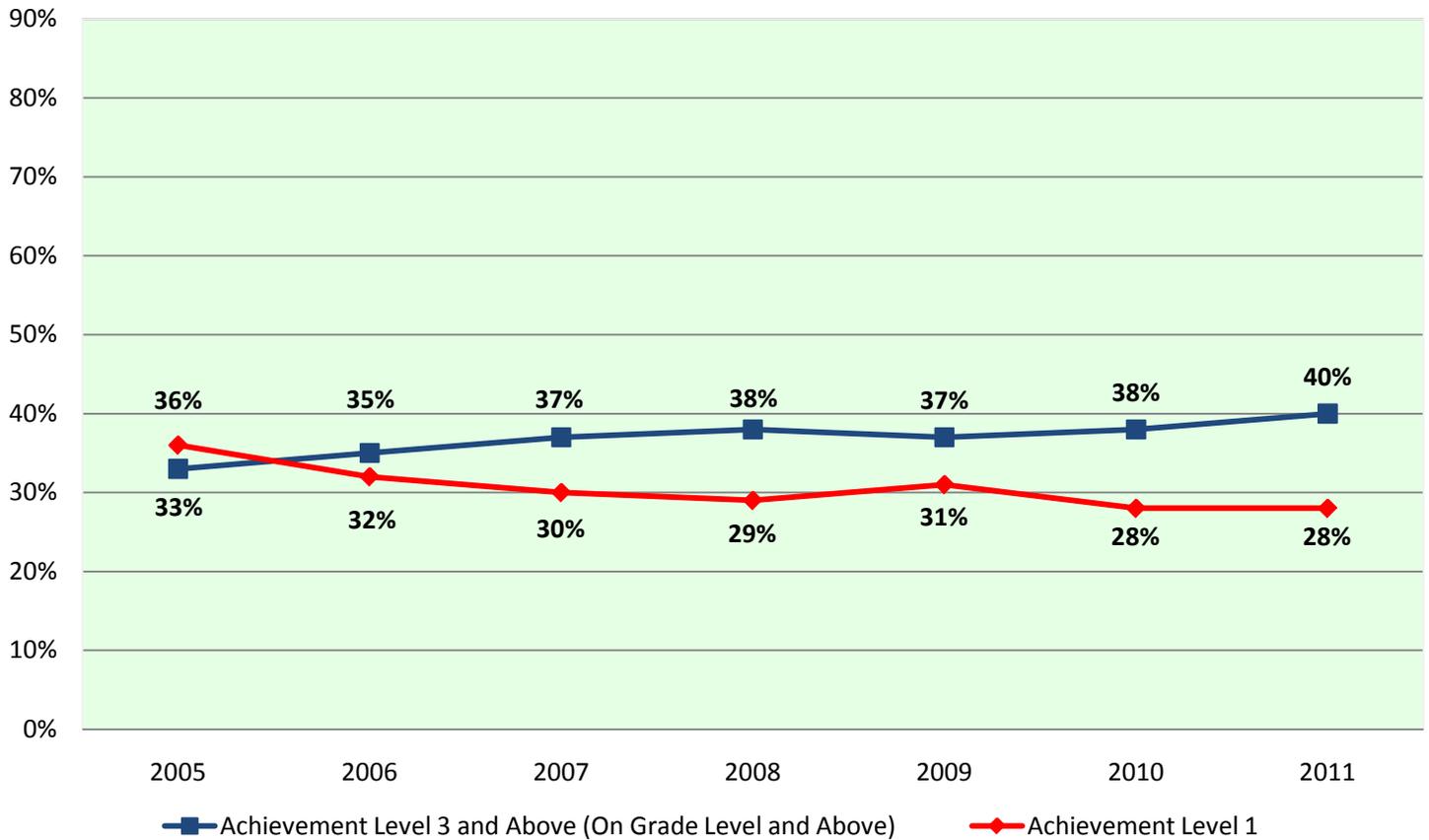
### FCAT Science by Achievement Level Grade 8



In 2011, 46 percent of students in grade 8 were performing at or above Achievement Level 3 (on grade level and above) on FCAT Science. This is an increase from 28 percent in 2003, 28 percent in 2004, 33 percent in 2005, 32 percent in 2006, 38 percent in 2007, 40 percent in 2008, 41 percent in 2009, and 43 percent in 2010 for a total increase of 18 percentage points. In 2011, 23 percent of students in grade 8 were performing at Achievement Level 1 on FCAT Science. This is a decrease from 36 percent in 2003, 36 percent in 2004, 36 percent in 2005, 35 percent in 2006, 31 percent in 2007, 27 percent in 2008, 27 percent in 2009, and 25 percent in 2010 for a total decrease of 13 percentage points.

Source: K20 Education Data Warehouse  
Florida Department of Education, June 2011

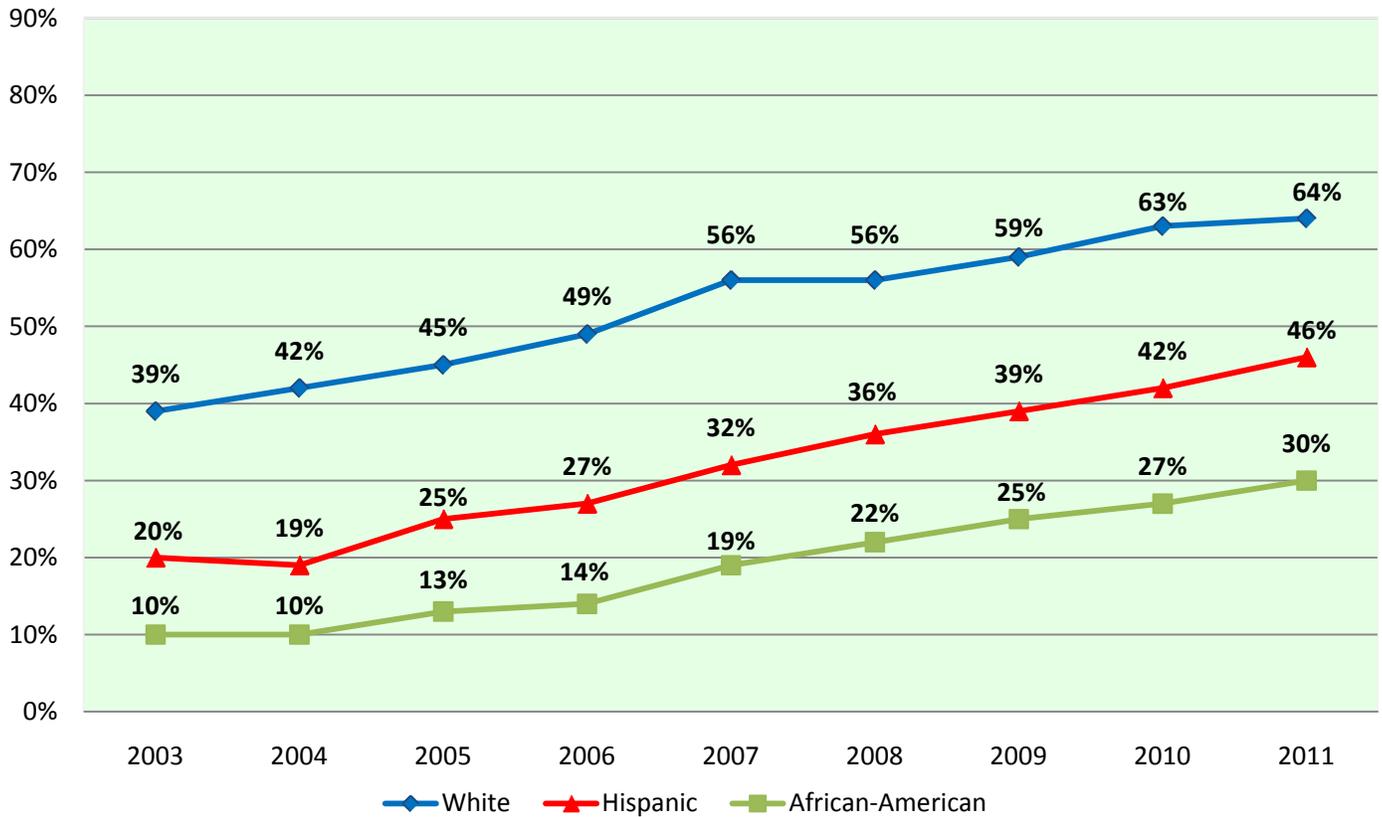
### FCAT Science by Achievement Level Grade 11



In 2011, 40 percent of all students in grade 11 were performing at or above Achievement Level 3 (on grade level and above) on FCAT Science. This is an increase from 33 percent in 2005, 35 percent in 2006, 37 percent in 2007, 38 percent in 2008, 37 percent in 2009, and 38 percent in 2010 for a total increase of 7 percentage points. In 2011, 28 percent of all students in grade 11 were performing at Achievement Level 1 on FCAT Science. This is a decrease from 36 percent in 2005, 32 percent in 2006, 30 percent in 2007, 29 percent in 2008, 31 percent in 2009, and is equal to 28 percent in 2010 for a total decrease of 8 percentage points.

Source: K20 Education Data Warehouse  
Florida Department of Education, June 2011

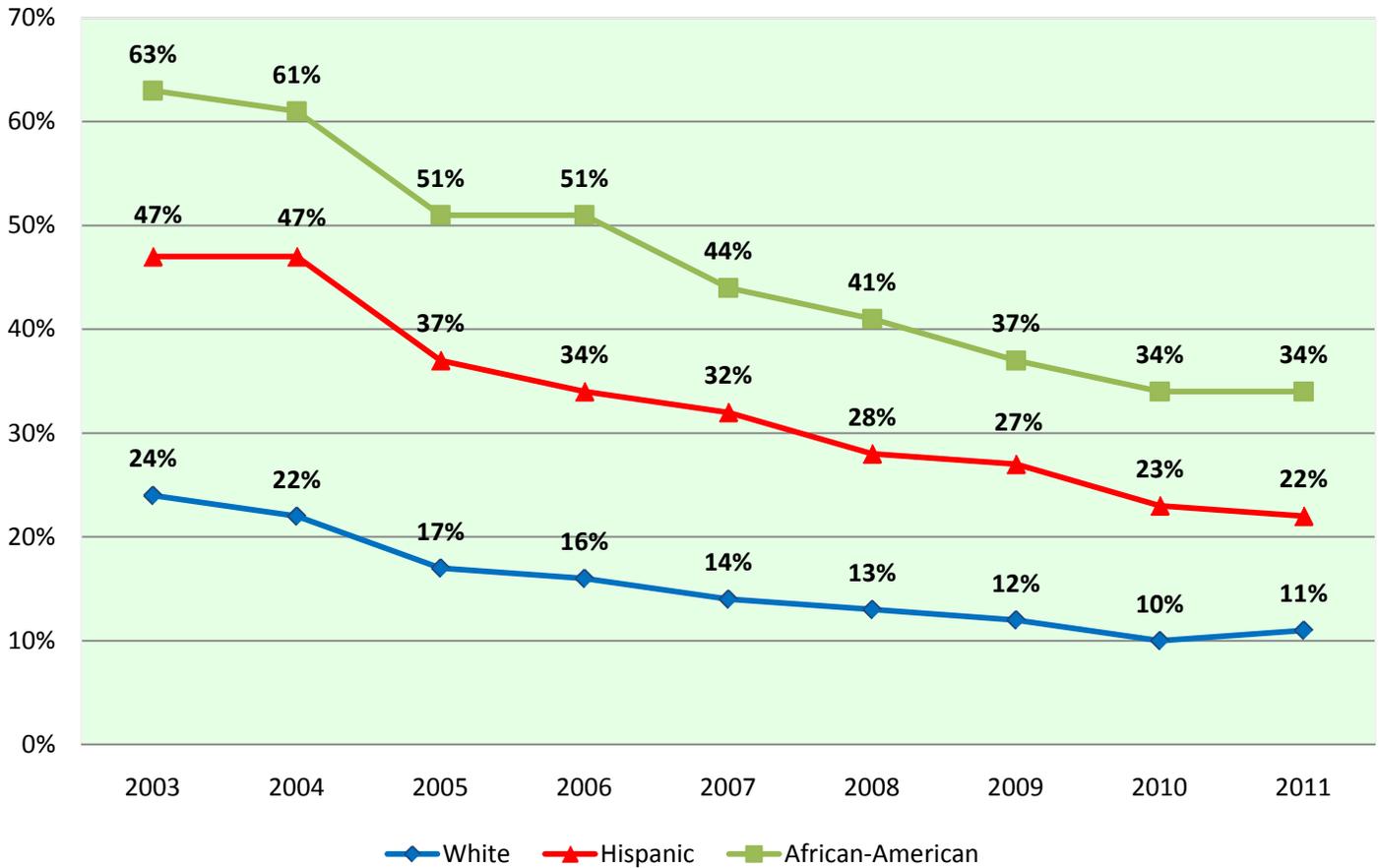
### FCAT Science Achievement Level 3 and Above (On Grade Level and Above) Grade 5



In 2011, 64 percent of White students in grade 5 were performing at or above Achievement Level 3 (on grade level and above) on FCAT Science. This is an increase from 39 percent in 2003, 42 percent in 2004, 45 percent in 2005, 49 percent in 2006, 56 percent in 2007, 56 percent in 2008, 59 percent in 2009, and 63 percent in 2010 for a total increase of 25 percentage points. In 2011, 46 percent of Hispanic students in grade 5 were performing at or above Achievement Level 3 on FCAT Science. This is an increase from 20 percent in 2003, 19 percent in 2004, 25 percent in 2005, 27 percent in 2006, 32 percent in 2007, 36 percent in 2008, 39 percent in 2009, and 42 percent in 2010 for a total increase of 26 percentage points. In 2011, 30 percent of African-American students in grade 5 were performing at or above Achievement Level 3 on FCAT Science. This is an increase from 10 percent in 2003, 10 percent in 2004, 13 percent in 2005, 14 percent in 2006, 19 percent in 2007, 22 percent in 2008, 25 percent in 2009, and 27 percent in 2010 for a total increase of 20 percentage points.

Source: K20 Education Data Warehouse  
Florida Department of Education, June 2011

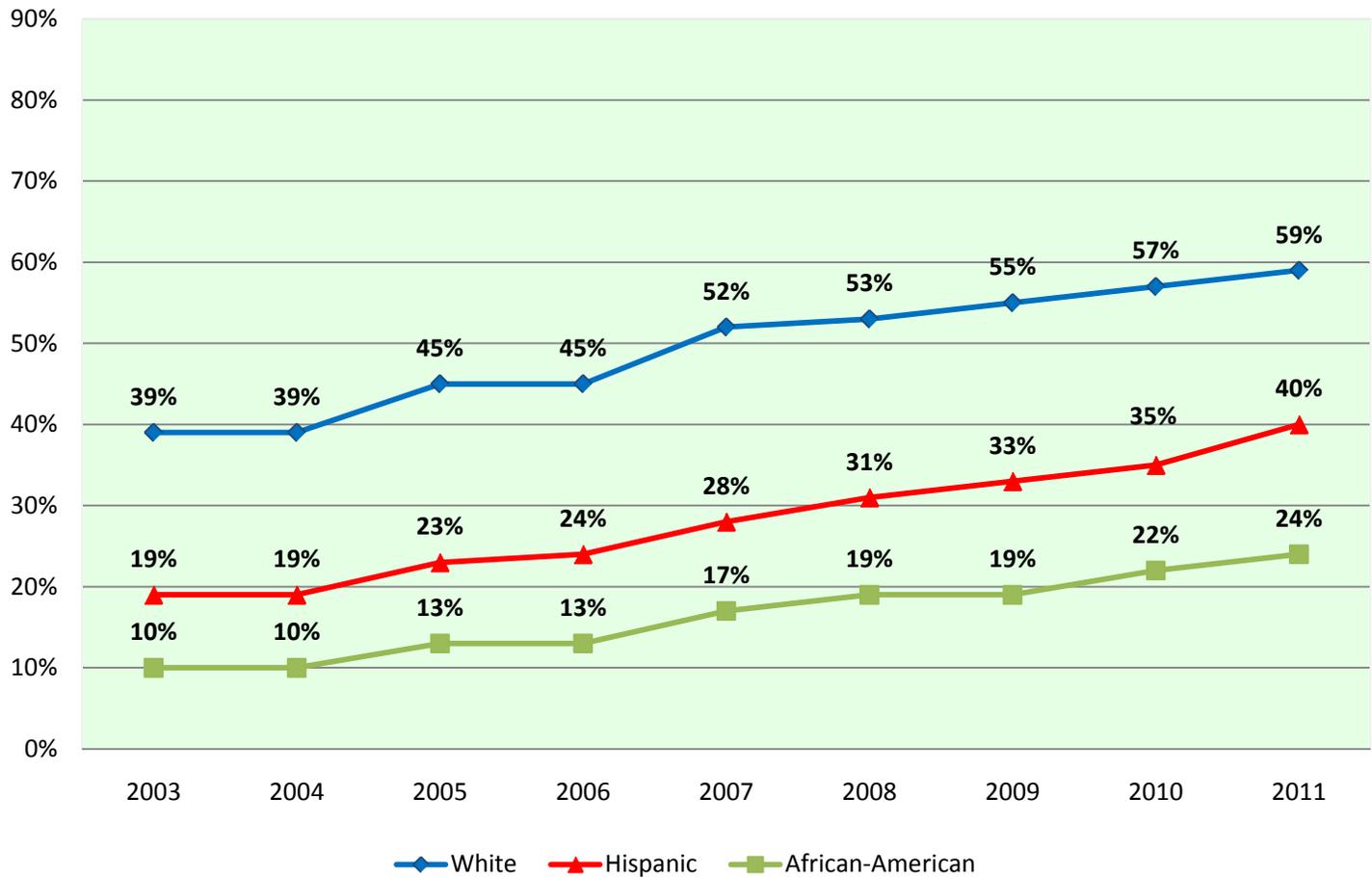
### FCAT Science Achievement Level 1 Grade 5



In 2011, 11 percent of White students in grade 5 were performing at Achievement Level 1 on FCAT Science. This is a decrease from 24 percent in 2003, 22 percent in 2004, 17 percent in 2005, 16 percent in 2006, 14 percent in 2007, 13 percent in 2008, 12 percent in 2009, and an increase from 10 percent in 2010 for a total decrease of 13 percentage points. In 2011, 22 percent of Hispanic students in grade 5 were performing at Achievement Level 1 on FCAT Science. This is a decrease from 47 percent in 2003, 47 percent in 2004, 37 percent in 2005, 34 percent in 2006, 32 percent in 2007, 28 percent in 2008, 27 percent in 2009, and 23 percent in 2010 for a total decrease of 25 percentage points. In 2011, 34 percent of African-American students in grade 5 were performing at Achievement Level 1 on FCAT Science. This is a decrease from 63 percent in 2003, 61 percent in 2004, 51 percent in 2005, 51 percent in 2006, 44 percent in 2007, 41 percent in 2008, 37 percent in 2009, and is equal to 34 percent in 2010 for a total decrease of 29 percentage points.

Source: K20 Education Data Warehouse  
Florida Department of Education, June 2011

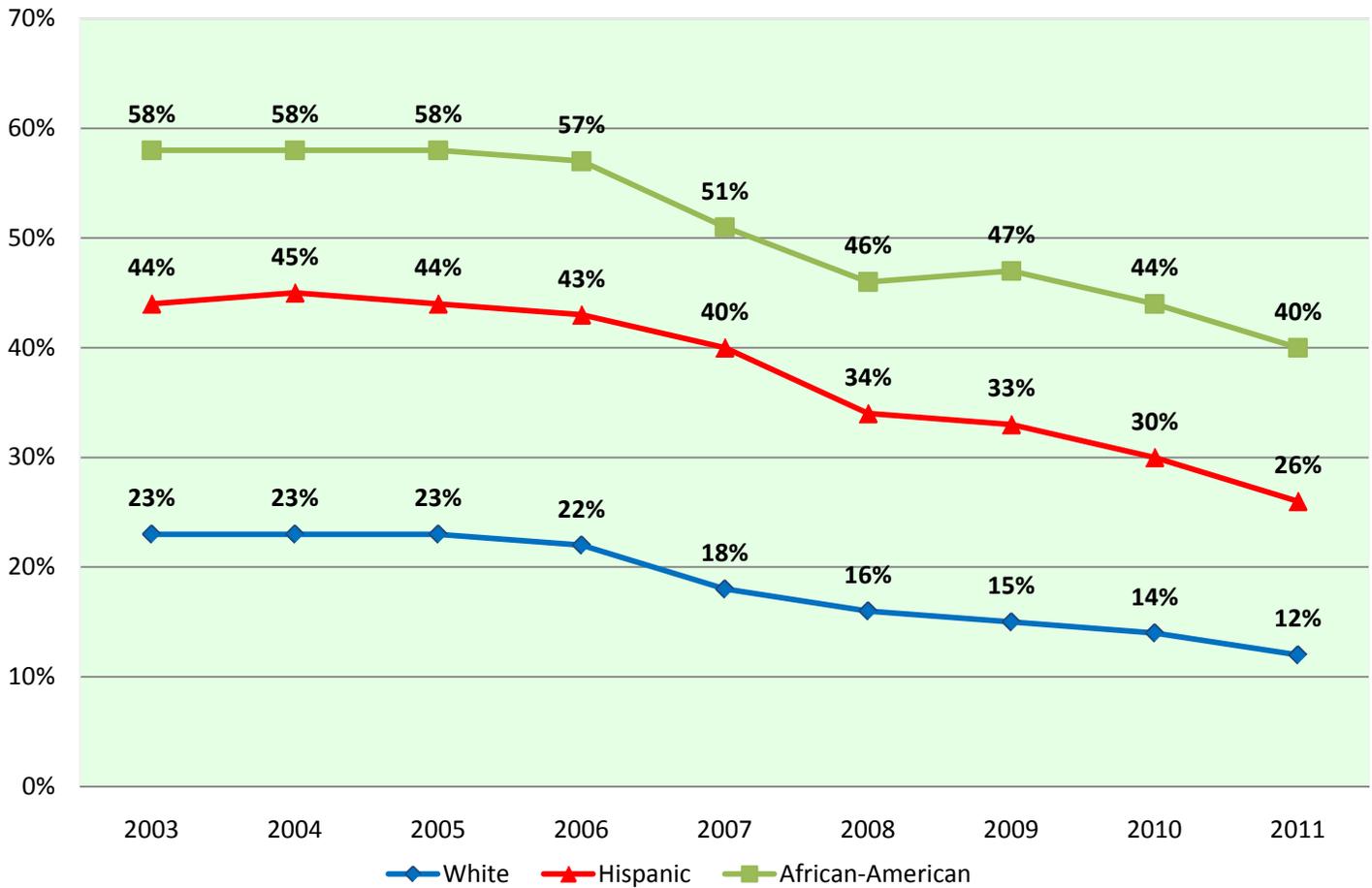
### FCAT Science Achievement Level 3 and Above (On Grade Level and Above) Grade 8



In 2011, 59 percent of White students in grade 8 were performing at or above Achievement Level 3 (on grade level and above) on FCAT Science. This is an increase from 39 percent in 2003, 39 percent in 2004, 45 percent in 2005, 45 percent in 2006, 52 percent in 2007, 53 percent in 2008, 55 percent in 2009, and 57 percent in 2010 for a total increase of 20 percentage points. In 2011, 40 percent of Hispanic students in grade 8 were performing at or above Achievement Level 3 on FCAT Science. This is an increase from 19 percent in 2003, 19 percent in 2004, 23 percent in 2005, 24 percent in 2006, 28 percent in 2007, 31 percent in 2008, 33 percent in 2009, and 35 percent in 2010 for a total increase of 21 percentage points. In 2011, 24 percent of African-American students in grade 8 were performing at or above Achievement Level 3 on FCAT Science. This is an increase from 10 percent in 2003, 10 percent in 2004, 13 percent in 2005, 13 percent in 2006, 17 percent in 2007, 19 percent in 2008, 19 percent in 2009, and 22 percent in 2010 for a total increase of 14 percentage points.

Source: K20 Education Data Warehouse  
Florida Department of Education, June 2011

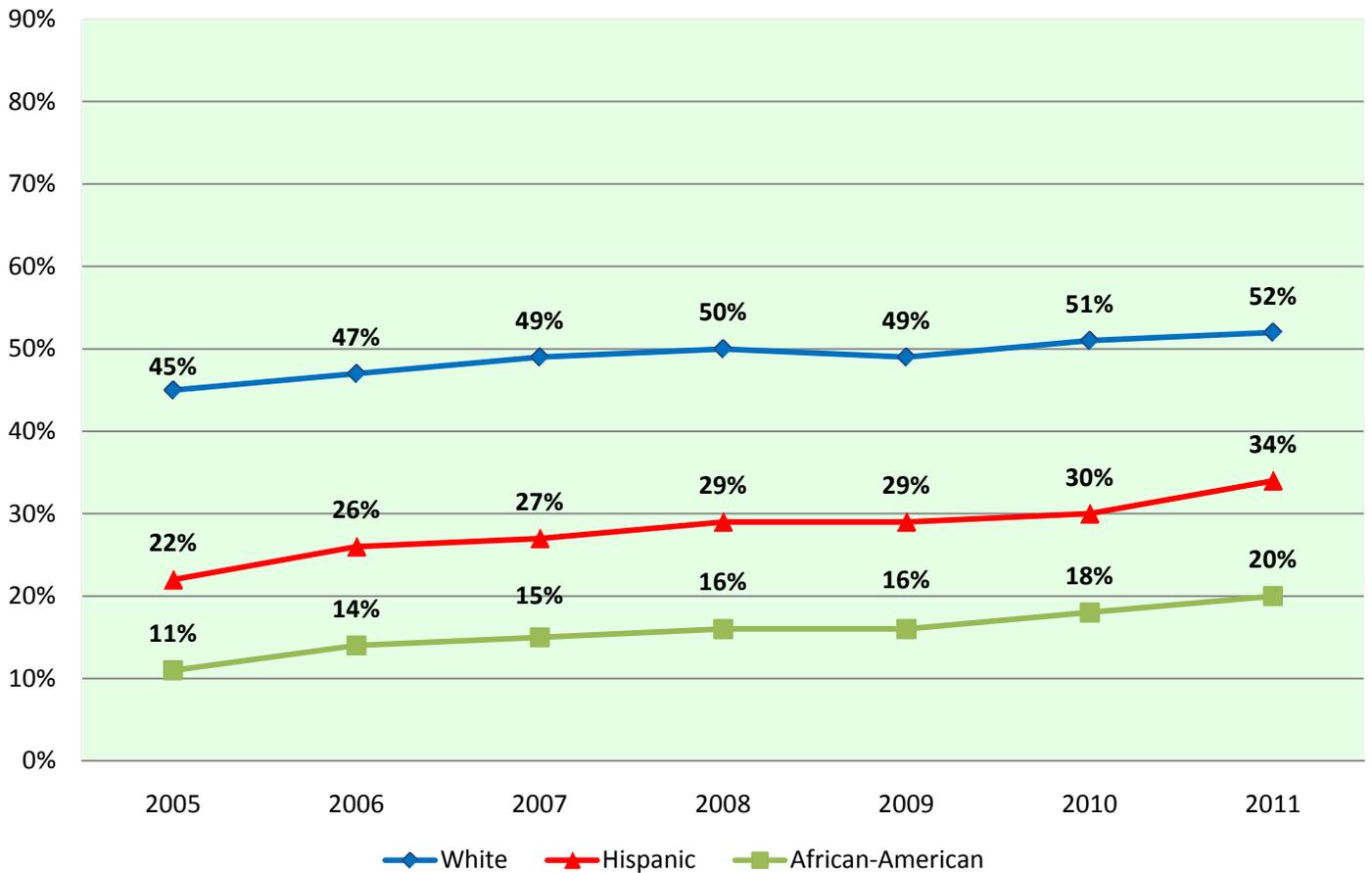
### FCAT Science Achievement Level 1 Grade 8



In 2011, 12 percent of White students in grade 8 were performing at Achievement Level 1 on FCAT Science. This is a decrease from 23 percent in 2003, 23 percent in 2004, 23 percent in 2005, 22 percent in 2006, 18 percent in 2007, 16 percent in 2008, 15 percent in 2009, and 14 percent in 2010 for a total decrease of 11 percentage points. In 2011, 26 percent of Hispanic students in grade 8 were performing at Achievement Level 1 on FCAT Science. This is a decrease from 44 percent in 2003, 45 percent in 2004, 44 percent in 2005, 43 percent in 2006, 40 percent in 2007, 33 percent in 2008, 33 percent in 2009, and 30 percent in 2010 for a total decrease of 18 percentage points. In 2011, 40 percent of African-American students in grade 8 were performing at Achievement Level 1 on FCAT Science. This is a decrease from 58 percent in 2003, 58 percent in 2004, 58 percent in 2005, 57 percent in 2006, 51 percent in 2007, 46 percent in 2008, 47 percent in 2009, and 44 percent in 2010 for a total decrease of 18 percentage points.

Source: K20 Education Data Warehouse  
Florida Department of Education, June 2011

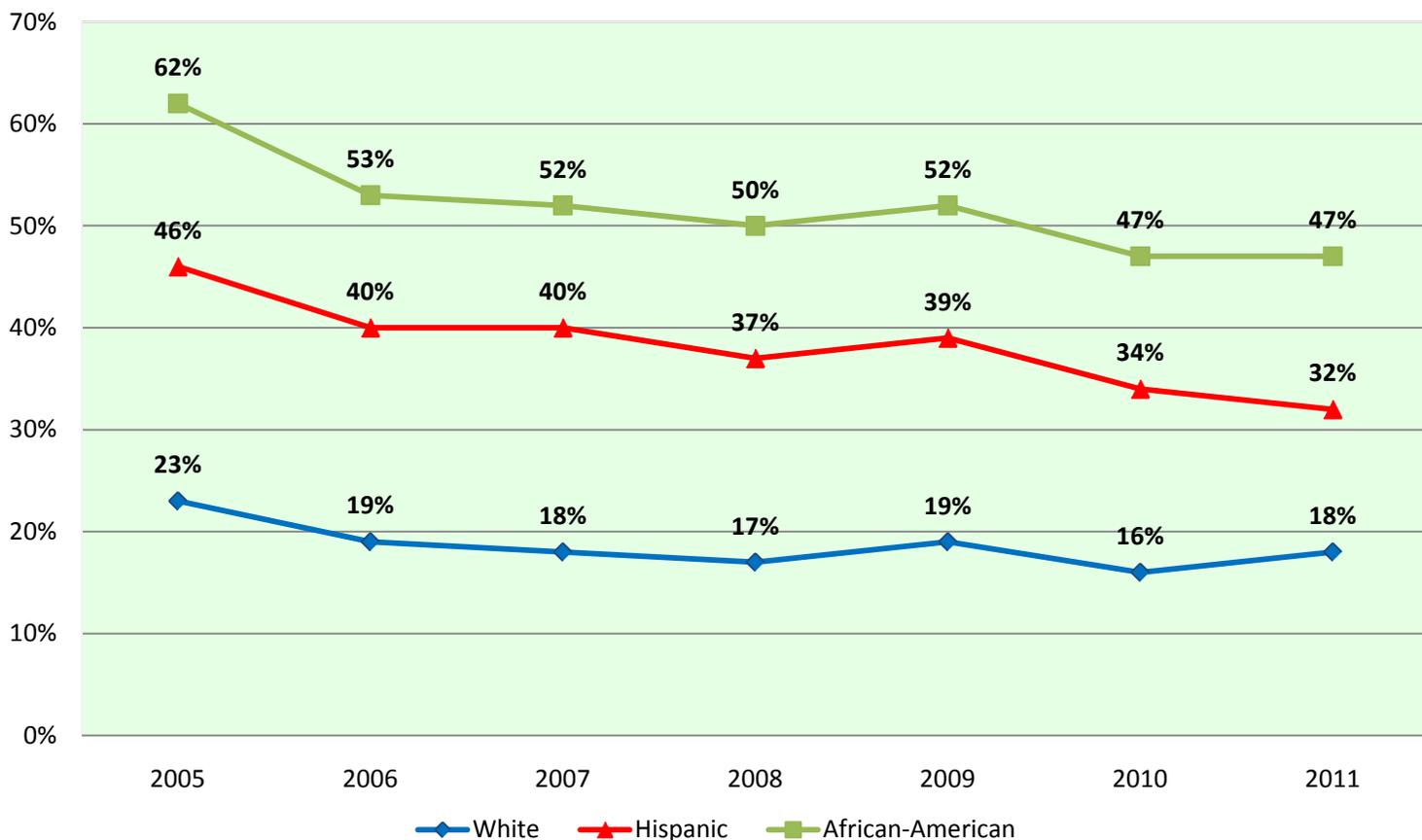
**FCAT Science  
Achievement Level 3 and Above  
(On Grade Level and Above)  
Grade 11**



In 2011, 52 percent of White students in grade 11 were performing at or above Achievement Level 3 (on grade level and above) on FCAT Science. This is an increase from 45 percent in 2005, 47 percent in 2006, 49 percent in 2007, 50 percent in 2008, 49 percent in 2009, and 51 percent in 2010 for a total increase of 7 percentage points. In 2011, 34 percent of Hispanic students in grade 11 were performing at or above Achievement Level 3 on FCAT Science. This is an increase from 22 percent in 2005, 26 percent in 2006, 27 percent in 2007, 29 percent in 2008, 29 percent in 2009, and 30 percent in 2010 for a total increase of 12 percentage points. In 2011, 20 percent of African-American students in grade 11 were performing at or above Achievement Level 3 on FCAT Science. This is an increase from 11 percent in 2005, 14 percent in 2006, 15 percent in 2007, 16 percent in 2008, 16 percent in 2009, and 18 percent in 2010 for a total increase of 9 percentage points.

Source: K20 Education Data Warehouse  
Florida Department of Education, June 2011

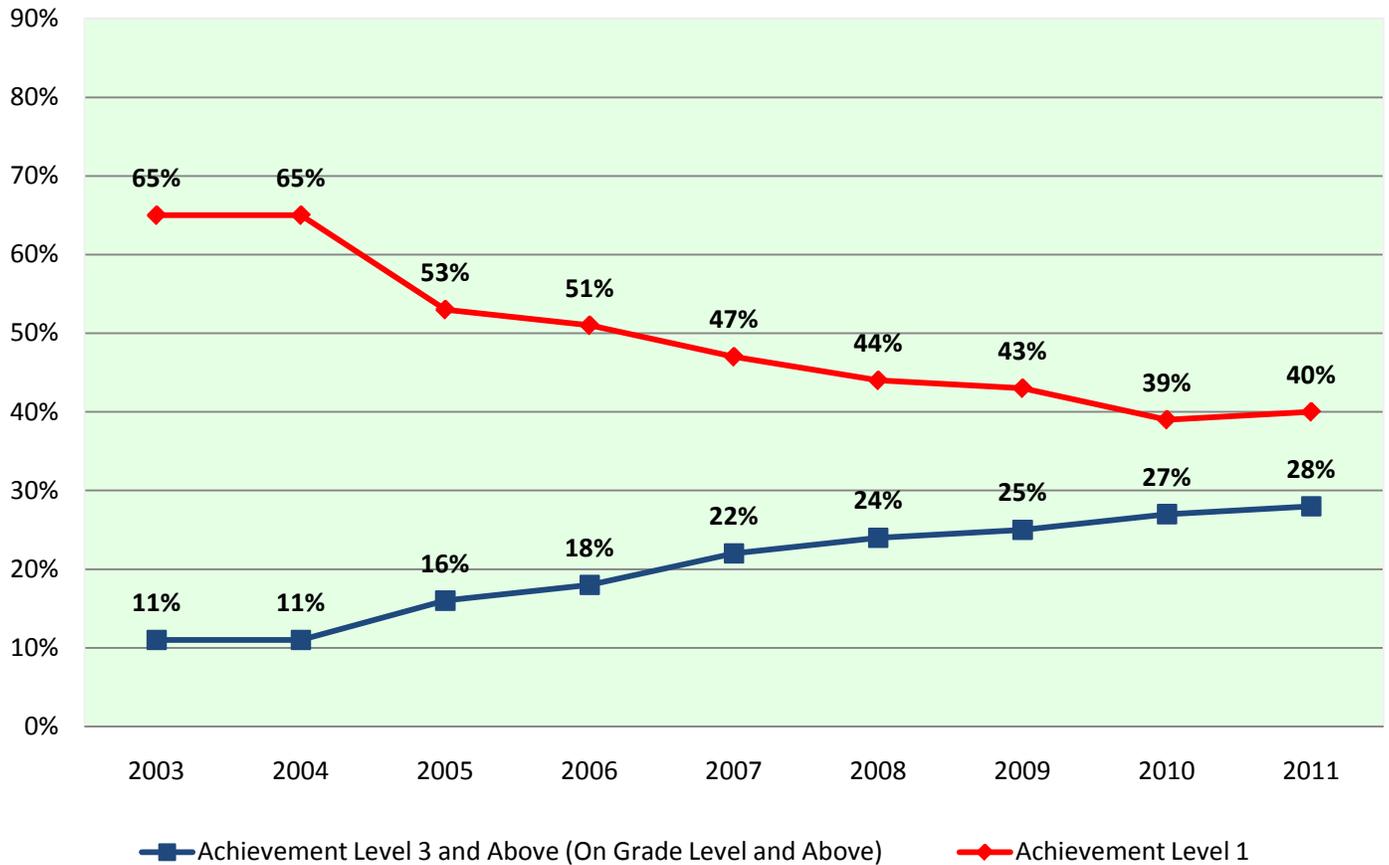
### FCAT Science Achievement Level 1 Grade 11



In 2011, 18 percent of White students in grade 11 were performing at Achievement Level 1 on FCAT Science. This is a decrease from 23 percent in 2005, 19 percent in 2006, 18 percent in 2007, 17 percent in 2008, 19 percent in 2009, and an increase from 16 percent in 2010 for a total decrease of 5 percentage points. In 2011, 32 percent of Hispanic students in grade 11 were performing at Achievement Level 1 on FCAT Science. This is a decrease from 46 percent in 2005, 40 percent in 2006, 40 percent in 2007, 37 percent in 2008, 39 percent in 2009, and 34 percent in 2010 for a total decrease of 14 percentage points. In 2011, 47 percent of African-American students in grade 11 were performing at Achievement Level 1 on FCAT Science. This is a decrease from 62 percent in 2005, 53 percent in 2006, 52 percent in 2007, 50 percent in 2008, 52 percent in 2009, and is equal to 47 percent in 2010 for a total decrease of 15 percentage points.

Source: K20 Education Data Warehouse  
Florida Department of Education, June 2011

## FCAT Science by Achievement Level Students with Disabilities Grade 5

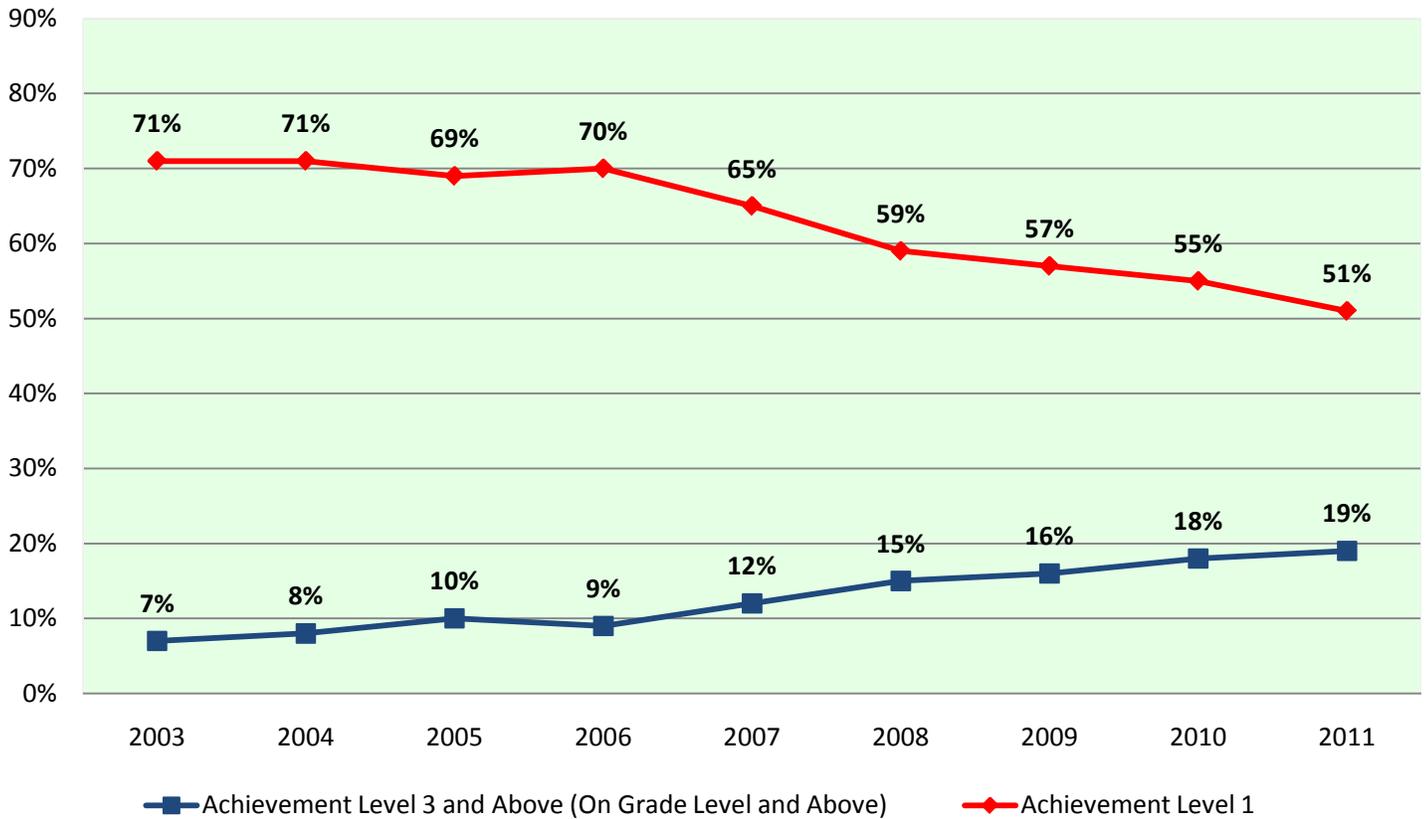


In 2011, 28 percent of Students with Disabilities in grade 5 were performing at or above Achievement Level 3 (on grade level and above) on FCAT Science. This is an increase from 11 percent in 2003, 11 percent in 2004, 16 percent in 2005, 18 percent in 2006, 22 percent in 2007, 24 percent in 2008, 25 percent in 2009, and 27 percent in 2010 for a total increase of 17 percentage points. In 2011, 40 percent of Students with Disabilities in grade 5 were performing at Achievement Level 1 on FCAT Science. This is a decrease from 65 percent in 2003, 65 percent in 2004, 53 percent in 2005, 51 percent in 2006, 47 percent in 2007, 44 percent in 2008, 43 percent in 2009, and an increase from 39 percent in 2010 for a total decrease of 15 percentage points.

*\*Students With Disabilities (SWDs) include students determined eligible for special education and related services who are receiving services based on an Individual Educational Plan (IEP).*

Source: K20 Education Data Warehouse  
Florida Department of Education, June 2011

### FCAT Science by Achievement Level Students With Disabilities Grade 8

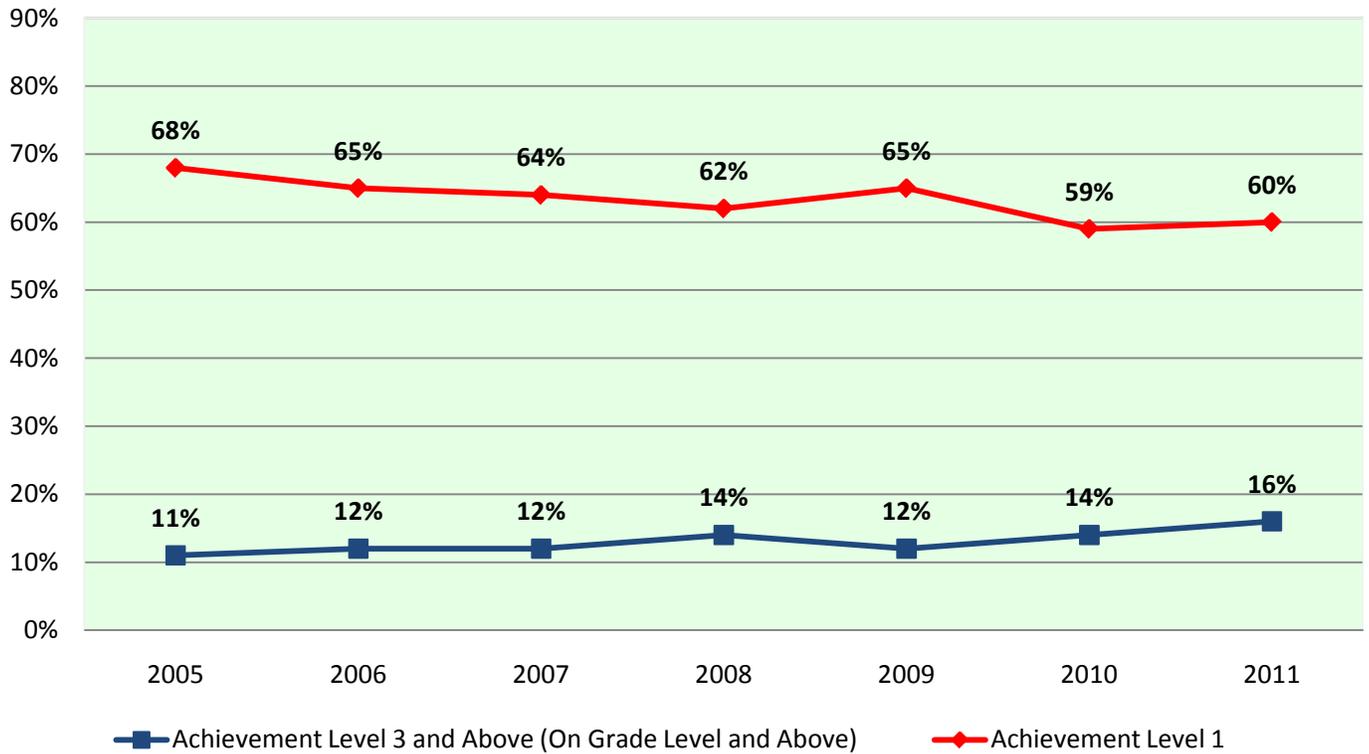


In 2011, 19 percent of Students with Disabilities in grade 8 were performing at or above Achievement Level 3 (on grade level and above) on FCAT Science. This is an increase from 7 percent in 2003, 8 percent in 2004, 10 percent in 2005, 9 percent in 2006, 12 percent in 2007, 15 percent in 2008, 16 percent in 2009, and 18 percent in 2010 for a total increase of 12 percentage points. In 2011, 51 percent of Students with Disabilities in grade 8 were performing at Achievement Level 1 on FCAT Science. This is a decrease from 71 percent in 2003, 71 percent in 2004, 69 percent in 2005, 70 percent in 2006, 65 percent in 2007, 59 percent in 2008, 57 percent in 2009, and 55 percent in 2010 for a total decrease of 20 percentage points.

*\*Students with Disabilities (SWDs) include students determined eligible for special education and related services who are receiving services based on an Individual Educational Plan (IEP).*

Source: K20 Education Data Warehouse  
Florida Department of Education, June 2011

### FCAT Science by Achievement Level Students With Disabilities Grade 11

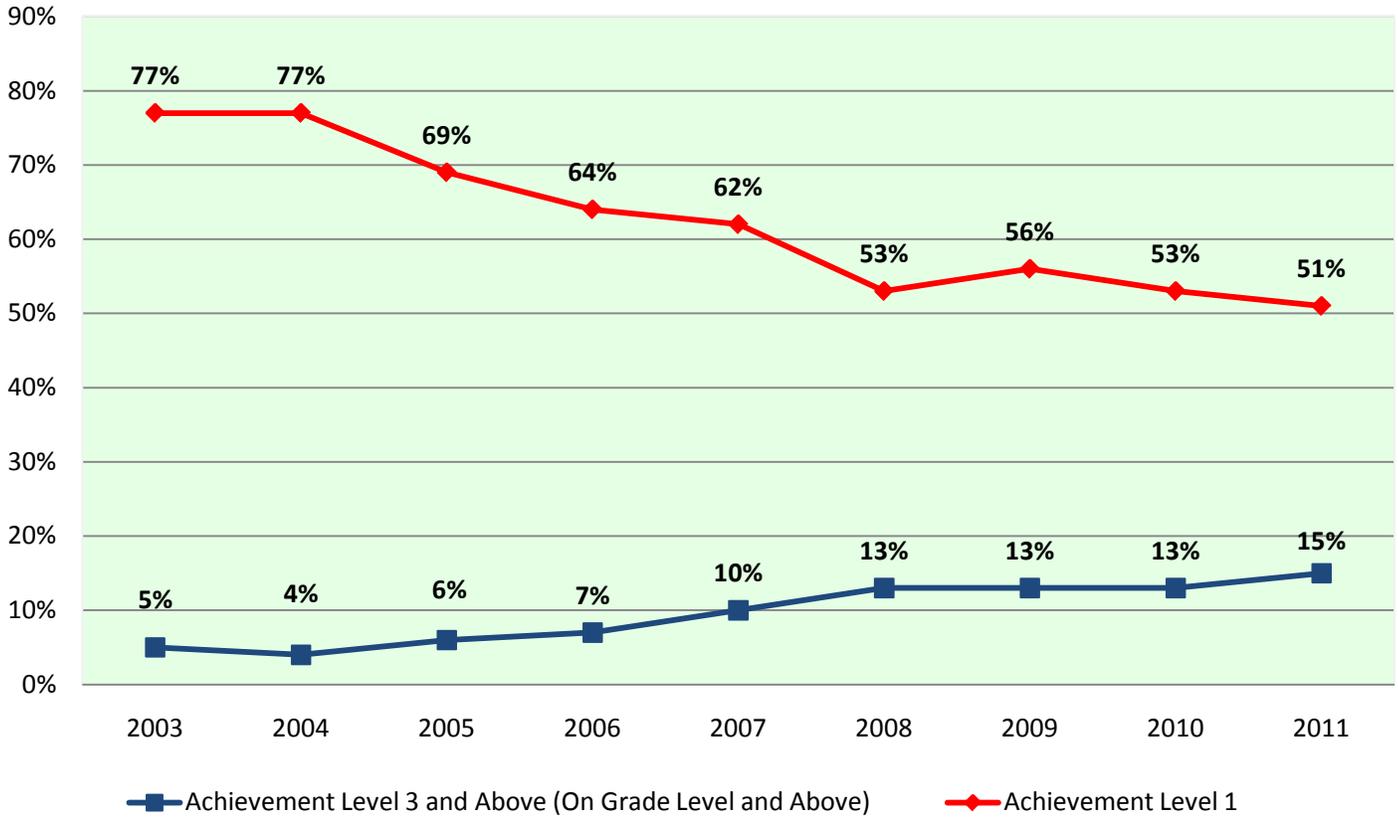


In 2011, 16 percent of Students with Disabilities in grade 11 were performing at or above Achievement Level 3 (on grade level and above) on FCAT Science. This is an increase from 11 percent in 2005, 12 percent in 2006, 12 percent in 2007, 14 percent in 2008, 12 percent in 2009, and 14 percent in 2010 for a total increase of 5 percentage points. In 2011, 60 percent of Students with Disabilities in grade 11 were performing at Achievement Level 1 on FCAT Science. This is a decrease from 68 percent in 2005, 65 percent in 2006, 64 percent in 2007, 62 percent in 2008, 65 percent in 2009, and an increase from 59 percent in 2010 for a total decrease of 8 percentage points.

*\*Students With Disabilities (SWDs) include students determined eligible for special education and related services who are receiving services based on an Individual Educational Plan (IEP).*

Source: K20 Education Data Warehouse  
Florida Department of Education, June 2011

### FCAT Science by Achievement Level English Language Learners Grade 5

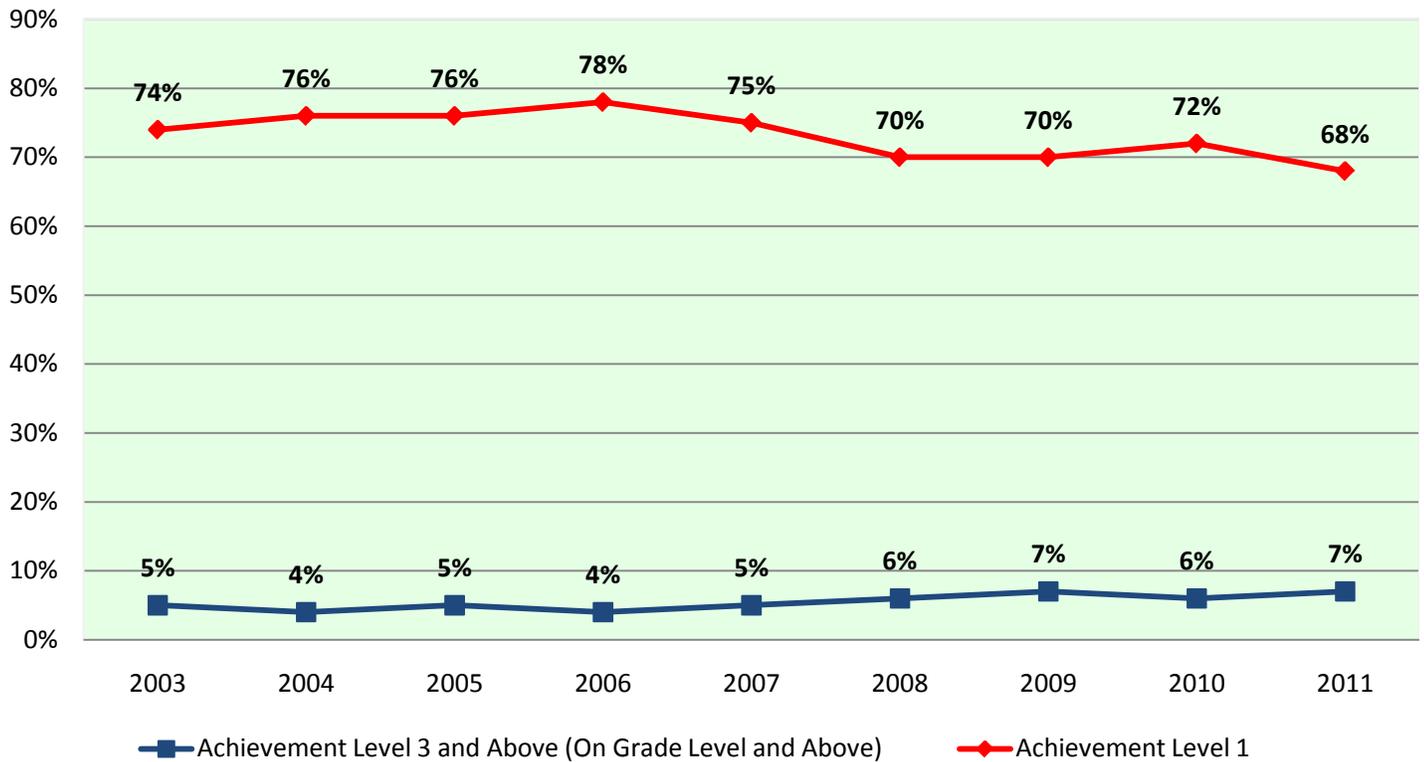


In 2011, 15 percent of English Language Learners in grade 5 were performing at or above Achievement Level 3 (on grade level and above) on FCAT Science. This is an increase from 5 percent in 2003, 4 percent in 2004, 6 percent in 2005, 7 percent in 2006, 10 percent in 2007, is equal to 13 percent in 2008, 13 percent in 2009, and 13 percent in 2010 for a total increase of 10 percentage points. In 2011, 51 percent of English Language Learners in grade 5 were performing at Achievement Level 1 on FCAT Science. This is a decrease from 77 percent in 2003, 77 percent in 2004, 69 percent in 2005, 64 percent in 2006, 62 percent in 2007, 53 percent in 2008, 56 percent in 2009, and 53 percent in 2010 for a total decrease of 26 percentage points.

*\*English Language Learners (ELLs) include students enrolled in classes specifically designed to increase their academic and language proficiency.*

Source: K20 Education Data Warehouse  
Florida Department of Education, June 2011

### FCAT Science by Achievement Level English Language Learners Grade 8

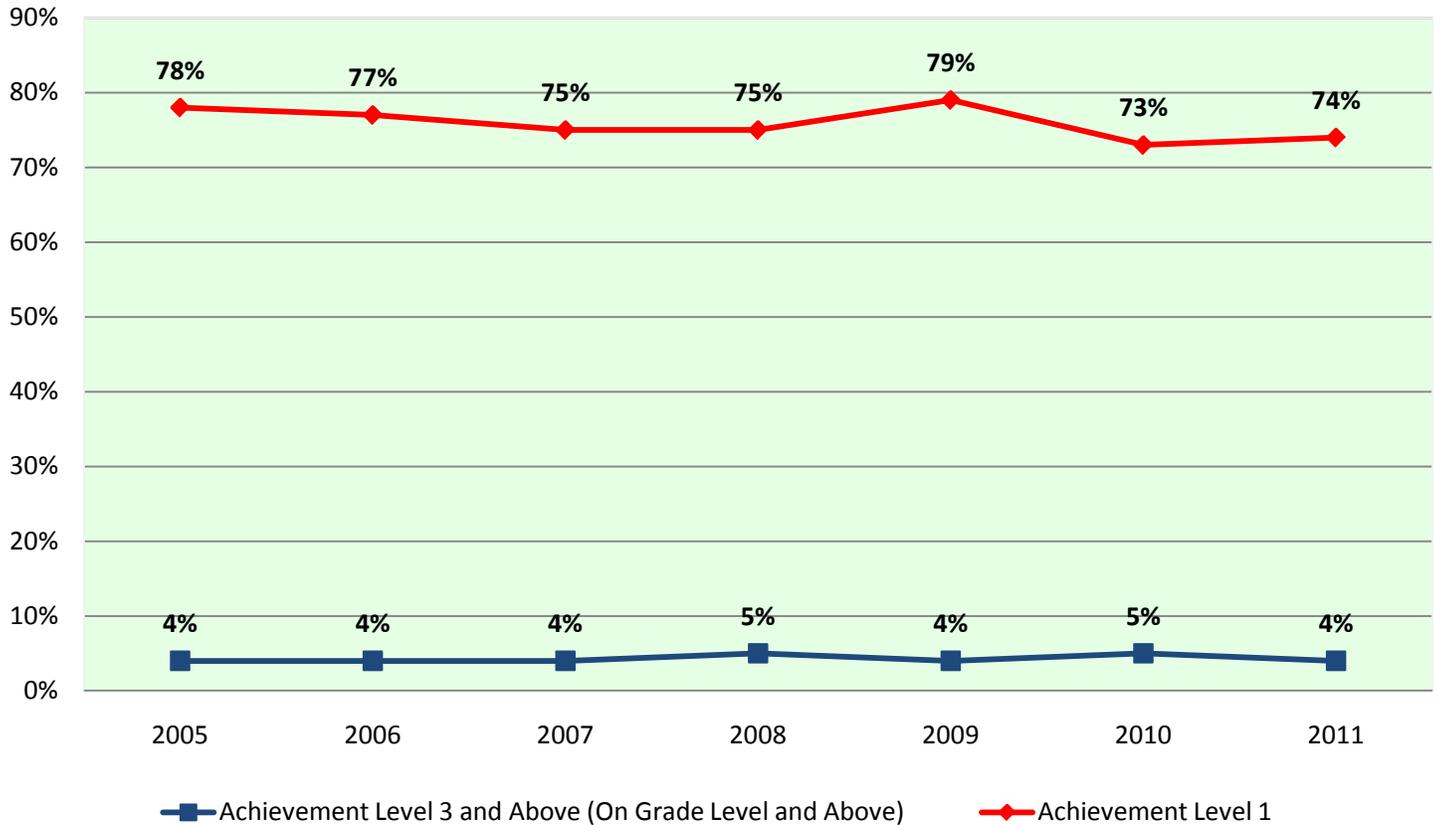


In 2011, 7 percent of English Language Learners in grade 8 were performing at or above Achievement Level 3 (on grade level and above) on FCAT Science. This is an increase from 5 percent in 2003, 4 percent in 2004, 5 percent in 2005, 4 percent in 2006, 5 percent in 2007, 6 percent in 2008, is equal to 7 percent in 2009, and an increase from 6 percent in 2010 for a total increase of 2 percentage points. In 2011, 68 percent of English Language Learners in grade 8 were performing at Achievement Level 1 on FCAT Science. This is a decrease from 74 percent in 2003, 76 percent in 2004, 76 percent in 2005, 78 percent in 2006, 75 percent in 2007, 70 percent in 2008, 70 percent in 2009, and 72 percent in 2010 for a total decrease of 6 percentage points.

*\*English Language Learners (ELLs) include students enrolled in classes specifically designed to increase their academic and language proficiency.*

Source: K20 Education Data Warehouse  
Florida Department of Education, June 2011

### FCAT Science by Achievement Level English Language Learners Grade 11



In 2011, 4 percent of English Language Learners in grade 11 were performing at or above Achievement Level 3 (on grade level and above) on FCAT Science. This is equal to 4 percent in 2005, is equal to 4 percent in 2006, 4 percent in 2007, a decrease from 5 percent in 2008, is equal to 4 percent in 2009, and a decrease from 5 percent in 2010. In 2011, 74 percent of English Language Learners in grade 11 were performing at Achievement Level 1 on FCAT Science. This represents a decrease from 78 percent in 2005, 77 percent in 2006, 75 percent in 2007, 75 percent in 2008, 79 percent in 2009, and an increase from 73 percent in 2010 for a total decrease of 4 percentage points.

*\*English Language Learners (ELLs) include students enrolled in classes specifically designed to increase their academic and language proficiency.*

Source: K20 Education Data Warehouse  
Florida Department of Education, June 2011

**Science Scores**  
**Statewide Comparison for 2001 to 2011**  
**FCAT Science – Sunshine State Standards Test<sup>1</sup>**

Grade <sup>3</sup>	Year	Number of Students	Mean Scale Score	Percent of Students by Achievement Level <sup>2</sup>					Achievement Level Three & Above <sup>4</sup>
				1	2	3	4	5	
5	2003	191,470	285	38	34	22	4	1	28
5	2004	195,700	286	37	34	24	4	1	29
5	2005	180,453	296	29	38	27	5	1	33
5	2006	195,877	299	29	36	27	6	2	35
5	2007	191,789	306	25	33	31	8	2	42
5	2008	194,991	310	23	33	32	9	3	43
5	2009	191,751	314	21	32	34	10	2	46
5	2010	196,011	318	19	32	35	11	4	49
5	2011	197,657	322	19	30	33	12	5	51
8	2003	189,425	287	36	37	24	3	0	28
8	2004	195,351	286	36	36	25	3	0	28
8	2005	198,670	291	36	32	26	5	1	33
8	2006	198,142	289	35	33	26	5	1	32
8	2007	197,536	298	31	31	30	7	1	38
8	2008	184,828	305	27	33	31	7	2	40
8	2009	193,018	305	27	32	32	8	2	41
8	2010	192,138	310	25	32	32	8	2	43
8	2011	194,975	315	23	32	33	9	3	46
10	2003	154,263	290	42	29	23	5	1	29
10	2004	163,546	287	40	30	24	5	1	30
11	2005	142,353	293	36	31	27	5	1	33
11	2006	149,848	298	32	33	30	4	0	35
11	2007	164,580	302	30	33	31	5	1	37
11	2008	165,456	304	29	33	31	6	1	38
11	2009	167,041	303	31	32	30	6	1	37
11	2010	172,954	306	28	34	32	6	1	38
11	2011	164,047	307	28	32	32	7	1	40

<sup>1</sup> Data are for all students tested in all curriculum groups.

<sup>2</sup> Achievement Level information was not reported for FCAT Science until May 2006. The data shown here reflect retroactive application of the Achievement Level criteria.

<sup>3</sup> The high school Science assessment was moved from grade 10 to grade 11 in 2005.

<sup>4</sup> Adding the percentages in Levels 3-5 may not result in the percentage reported under “Level Three & Above” due to rounding.

## 2011 FCAT Science Results - Grades 5

### Percent Comparison by Year and District

Achievement Level 3 and Above (On Grade Level and Above)

District	2011	2010	Change 2010-2011
STATE	51%	49%	3%
ALACHUA	52%	53%	-1%
BAKER	44%	47%	-3%
BAY	51%	50%	1%
BRADFORD	34%	43%	-9%
BREVARD	64%	64%	0%
BROWARD	50%	48%	2%
CALHOUN	57%	53%	4%
CHARLOTTE	57%	56%	1%
CITRUS	57%	56%	1%
CLAY	58%	59%	-1%
COLLIER	46%	45%	1%
COLUMBIA	49%	48%	1%
DADE	49%	44%	5%
DESOTO	39%	41%	-2%
DIXIE	55%	52%	3%
DUVAL	47%	46%	1%
ESCAMBIA	48%	43%	5%
FLAGLER	49%	47%	2%
FRANKLIN	56%	48%	8%
GADSDEN	42%	29%	13%
GILCHRIST	59%	54%	5%
GLADES	49%	33%	16%
GULF	60%	51%	9%
HAMILTON	31%	37%	-6%
HARDEE	38%	35%	3%
HENDRY	39%	35%	4%
HERNANDO	48%	51%	-3%
HIGHLANDS	41%	41%	0%
HILLSBOROUGH	47%	46%	1%
HOLMES	40%	50%	-10%
INDIAN RIVER	54%	51%	3%
JACKSON	53%	55%	-2%
JEFFERSON	11%	15%	-4%
LAFAYETTE	49%	55%	-6%
LAKE	51%	51%	0%
LEE	50%	50%	0%
LEON	56%	54%	2%
LEVY	42%	51%	-9%
LIBERTY	45%	39%	6%

District	2011	2010	Change 2010-2011
STATE	51%	49%	3%
MADISON	32%	31%	1%
MANATEE	42%	43%	-1%
MARION	47%	44%	3%
MARTIN	61%	54%	7%
MONROE	59%	58%	1%
NASSAU	58%	54%	4%
OKALOOSA	62%	60%	2%
OKEECHOBEE	37%	34%	3%
ORANGE	50%	47%	3%
OSCEOLA	49%	43%	6%
PALM BEACH	58%	54%	4%
PASCO	47%	46%	1%
PINELLAS	47%	48%	-1%
POLK	43%	42%	1%
PUTNAM	44%	38%	6%
SANTA ROSA	66%	63%	3%
SARASOTA	65%	62%	3%
SEMINOLE	64%	63%	1%
ST. JOHNS	69%	67%	2%
ST. LUCIE	46%	40%	6%
SUMTER	60%	60%	0%
SUWANNEE	40%	40%	0%
TAYLOR	45%	35%	10%
UNION	45%	45%	0%
VOLUSIA	59%	54%	5%
WAKULLA	57%	62%	-5%
WALTON	56%	57%	-1%
WASHINGTON	47%	39%	8%

**2011 FCAT Science Results - Grades 5**  
**Percent Comparison by Year and District**

Achievement Level 1

District	2011	2010	Change 2010-2011
STATE	19%	19%	0%
ALACHUA	20%	20%	0%
BAKER	22%	19%	3%
BAY	19%	17%	2%
BRADFORD	28%	25%	3%
BREVARD	12%	10%	2%
BROWARD	21%	19%	2%
CALHOUN	13%	12%	1%
CHARLOTTE	13%	12%	1%
CITRUS	14%	13%	1%
CLAY	13%	11%	2%
COLLIER	23%	20%	3%
COLUMBIA	18%	17%	-1%
DADE	22%	24%	-2%
DESOTO	26%	25%	1%
DIXIE	16%	14%	2%
DUVAL	22%	21%	1%
ESCAMBIA	22%	24%	-2%
FLAGLER	18%	18%	0%
FRANKLIN	23%	17%	5%
GADSDEN	24%	28%	-4%
GILCHRIST	11%	12%	-1%
GLADES	21%	24%	-3%
GULF	14%	13%	1%
HAMILTON	40%	37%	3%
HARDEE	26%	28%	-2%
HENDRY	25%	25%	0%
HERNANDO	20%	16%	4%
HIGHLANDS	28%	23%	5%
HILLSBOROUGH	22%	22%	0%
HOLMES	25%	20%	5%
INDIAN RIVER	15%	18%	-3%
JACKSON	16%	15%	1%
JEFFERSON	60%	47%	13%
LAFAYETTE	15%	11%	4%
LAKE	20%	17%	3%
LEE	19%	17%	2%
LEON	18%	16%	2%
LEVY	21%	14%	7%

District	2011	2010	Change 2010-2011
STATE	19%	19%	0%
LIBERTY	15%	21%	-6%
MADISON	33%	42%	-9%
MANATEE	25%	23%	2%
MARION	20%	22%	-2%
MARTIN	12%	16%	-4%
MONROE	13%	12%	1%
NASSAU	13%	14%	-1%
OKALOOSA	12%	11%	1%
OKEECHOBEE	29%	23%	6%
ORANGE	21%	21%	0%
OSCEOLA	21%	23%	-2%
PALM BEACH	15%	17%	-2%
PASCO	20%	18%	2%
PINELLAS	22%	19%	3%
POLK	23%	23%	0%
PUTNAM	19%	24%	-5%
SANTA ROSA	11%	10%	1%
SARASOTA	11%	12%	-1%
SEMINOLE	12%	11%	1%
ST. JOHNS	8%	8%	0%
ST. LUCIE	22%	23%	-1%
SUMTER	12%	11%	1%
SUWANNEE	29%	26%	3%
TAYLOR	27%	30%	-3%
UNION	22%	17%	5%
VOLUSIA	13%	15%	-2%
WAKULLA	12%	8%	4%
WALTON	12%	12%	0%
WASHINGTON	21%	26%	-5%

## 2011 FCAT Science Results - Grades 8

### Percent Comparison by Year and District

Achievement Level 3 and Above (On Grade Level and Above)

District	2011	2010	Change 2010-2011
STATE	46%	43%	3%
ALACHUA	48%	45%	3%
BAKER	44%	41%	3%
BAY	45%	47%	-2%
BRADFORD	39%	32%	7%
BREVARD	60%	58%	2%
BROWARD	44%	45%	-1%
CALHOUN	49%	51%	-2%
CHARLOTTE	50%	50%	0%
CITRUS	54%	49%	5%
CLAY	53%	51%	2%
COLLIER	43%	44%	-1%
COLUMBIA	39%	36%	3%
DADE	41%	34%	7%
DESOTO	38%	25%	13%
DIXIE	49%	51%	-2%
DUVAL	42%	41%	1%
ESCAMBIA	41%	38%	3%
FLAGLER	45%	42%	3%
FRANKLIN	25%	45%	-20%
GADSDEN	25%	17%	8%
GILCHRIST	66%	68%	-2%
GLADES	32%	39%	-7%
GULF	47%	41%	6%
HAMILTON	25%	22%	3%
HARDEE	33%	33%	0%
HENDRY	29%	26%	3%
HERNANDO	47%	45%	2%
HIGHLANDS	38%	34%	4%
HILLSBOROUGH	45%	45%	0%
HOLMES	44%	37%	7%
INDIAN RIVER	50%	43%	7%
JACKSON	40%	44%	-4%
JEFFERSON	20%	20%	0%
LAFAYETTE	43%	33%	10%
LAKE	44%	45%	-1%
LEE	45%	41%	4%
LEON	52%	50%	2%
LEVY	46%	44%	2%
LIBERTY	44%	54%	-10%

District	2011	2010	Change 2010-2011
STATE	46%	43%	3%
MADISON	17%	21%	-4%
MANATEE	44%	38%	6%
MARION	42%	40%	2%
MARTIN	59%	57%	1%
MONROE	56%	54%	2%
NASSAU	57%	53%	4%
OKALOOSA	65%	62%	3%
OKEECHOBEE	38%	32%	6%
ORANGE	41%	39%	2%
OSCEOLA	37%	33%	4%
PALM BEACH	54%	50%	4%
PASCO	47%	44%	3%
PINELLAS	42%	40%	2%
POLK	36%	34%	2%
PUTNAM	33%	30%	3%
SANTA ROSA	61%	61%	0%
SARASOTA	60%	53%	7%
SEMINOLE	57%	56%	1%
ST. JOHNS	63%	60%	3%
ST. LUCIE	43%	38%	5%
SUMTER	49%	47%	2%
SUWANNEE	41%	39%	2%
TAYLOR	31%	39%	-8%
UNION	51%	46%	5%
VOLUSIA	50%	44%	6%
WAKULLA	54%	58%	-4%
WALTON	54%	50%	4%
WASHINGTON	40%	42%	-2%

**2011 FCAT Science Results - Grades 8**  
**Percent Comparison by Year and District**  
 Achievement Level 1

District	2011	2010	Change 2010-2011
STATE	23%	25%	-2%
ALACHUA	24%	28%	-4%
BAKER	24%	23%	1%
BAY	20%	21%	-1%
BRADFORD	26%	33%	-7%
BREVARD	12%	14%	-2%
BROWARD	24%	24%	0%
CALHOUN	17%	16%	1%
CHARLOTTE	20%	19%	1%
CITRUS	14%	21%	-7%
CLAY	13%	18%	-5%
COLLIER	25%	25%	0%
COLUMBIA	26%	30%	-4%
DADE	28%	33%	-5%
DESOTO	28%	37%	-9%
DIXIE	18%	16%	2%
DUVAL	25%	28%	-3%
ESCAMBIA	27%	29%	-2%
FLAGLER	21%	23%	-2%
FRANKLIN	33%	29%	4%
GADSDEN	33%	44%	-11%
GILCHRIST	6%	9%	-3%
GLADES	26%	30%	-4%
GULF	19%	27%	-8%
HAMILTON	42%	47%	-5%
HARDEE	32%	34%	-2%
HENDRY	35%	35%	0%
HERNANDO	19%	22%	-3%
HIGHLANDS	29%	32%	-3%
HILLSBOROUGH	24%	25%	-1%
HOLMES	20%	29%	-9%
INDIAN RIVER	20%	26%	-6%
JACKSON	25%	22%	3%
JEFFERSON	53%	45%	8%
LAFAYETTE	24%	28%	-4%
LAKE	23%	23%	0%
LEE	22%	26%	-4%
LEON	18%	21%	-3%
LEVY	19%	20%	-1%
LIBERTY	17%	13%	4%

District	2011	2010	Change 2010-2011
STATE	23%	25%	-2%
MADISON	46%	50%	-4%
MANATEE	23%	26%	-3%
MARION	22%	27%	-5%
MARTIN	15%	15%	0%
MONROE	15%	17%	-2%
NASSAU	13%	15%	-2%
OKALOOSA	8%	11%	-3%
OKEECHOBEE	25%	30%	-5%
ORANGE	25%	28%	-3%
OSCEOLA	27%	33%	-6%
PALM BEACH	19%	21%	-2%
PASCO	19%	21%	-2%
PINELLAS	26%	27%	-1%
POLK	29%	32%	-3%
PUTNAM	31%	33%	-2%
SANTA ROSA	11%	11%	0%
SARASOTA	14%	18%	-4%
SEMINOLE	15%	16%	-1%
ST. JOHNS	11%	13%	-2%
ST. LUCIE	23%	28%	-5%
SUMTER	18%	26%	-8%
SUWANNEE	21%	26%	-5%
TAYLOR	36%	29%	7%
UNION	24%	19%	5%
VOLUSIA	20%	23%	-3%
WAKULLA	14%	16%	-2%
WALTON	16%	22%	-6%
WASHINGTON	30%	21%	9%

## 2011 FCAT Science Results - Grades 11

### Percent Comparison by Year and District

Achievement Level 3 and Above (On Grade Level and Above)

District	2011	2010	Change 2010-2011
STATE	40%	38%	2%
ALACHUA	45%	42%	3%
BAKER	35%	37%	-2%
BAY	40%	43%	-3%
BRADFORD	38%	35%	3%
BREVARD	54%	53%	0%
BROWARD	37%	36%	0%
CALHOUN	34%	38%	-4%
CHARLOTTE	41%	36%	5%
CITRUS	37%	39%	-2
CLAY	45%	42%	3%
COLLIER	37%	34%	3%
COLUMBIA	37%	30%	7%
DADE	37%	30%	7%
DESOTO	21%	25%	-4%
DIXIE	31%	25%	6%
DUVAL	42%	43%	-1%
ESCAMBIA	44%	40%	4%
FLAGLER	36%	38%	-2%
FRANKLIN	27%	27%	0%
GADSDEN	13%	12%	1%
GILCHRIST	51%	59%	-8%
GLADES	37%	30%	7%
GULF	43%	42%	1%
HAMILTON	19%	19%	0%
HARDEE	31%	24%	7%
HENDRY	29%	23%	6%
HERNANDO	40%	37%	3%
HIGHLANDS	38%	30%	8%
HILLSBOROUGH	43%	44%	-1%
HOLMES	36%	34%	2%
INDIAN RIVER	42%	39%	3%
JACKSON	34%	35%	-1%
JEFFERSON	12%	11%	2%
LAFAYETTE	23%	18%	5%
LAKE	34%	33%	1%
LEE	35%	33%	2%
LEON	43%	47%	-4%
LEVY	38%	36%	2%
LIBERTY	26%	35%	-9%

District	2011	2010	Change 2010-2011
STATE	40%	38%	2%
MADISON	25%	16%	9%
MANATEE	38%	37%	1%
MARION	37%	36%	1%
MARTIN	52%	52%	0%
MONROE	43%	40%	3%
NASSAU	40%	37%	3%
OKALOOSA	57%	57%	0%
OKEECHOBEE	37%	35%	2%
ORANGE	38%	37%	1%
OSCEOLA	32%	29%	3%
PALM BEACH	47%	46%	1%
PASCO	40%	37%	3%
PINELLAS	39%	36%	2%
POLK	31%	31%	0%
PUTNAM	27%	27%	0%
SANTA ROSA	48%	47%	1%
SARASOTA	49%	45%	4%
SEMINOLE	49%	51%	-2%
ST. JOHNS	53%	53%	0%
ST. LUCIE	33%	31%	2%
SUMTER	48%	46%	2%
SUWANNEE	39%	39%	0%
TAYLOR	30%	29%	1%
UNION	34%	35%	-1%
VOLUSIA	44%	42%	2%
WAKULLA	46%	49%	-3%
WALTON	39%	36%	3%
WASHINGTON	35%	31%	4%

**2011 FCAT Science Results - Grades 11**  
**Percent Comparison by Year and District**

Achievement Level 1

District	2011	2010	Change 2010-2011
STATE	28%	28%	0%
ALACHUA	30%	30%	0%
BAKER	29%	28%	1%
BAY	26%	22%	4%
BRADFORD	36%	29%	7%
BREVARD	16%	16%	0%
BROWARD	31%	29%	2%
CALHOUN	29%	23%	6%
CHARLOTTE	27%	30%	-3%
CITRUS	29%	25%	4%
CLAY	23%	25%	-2%
COLLIER	34%	33%	1%
COLUMBIA	31%	30%	1%
DADE	30%	36%	-6%
DESOTO	46%	35%	11%
DIXIE	45%	49%	-4%
DUVAL	23%	21%	2%
ESCAMBIA	22%	24%	-2%
FLAGLER	30%	30%	0%
FRANKLIN	46%	33%	13%
GADSDEN	50%	53%	-3%
GILCHRIST	16%	9%	7%
GLADES	42%	48%	-6%
GULF	29%	22%	7%
HAMILTON	45%	47%	-2%
HARDEE	34%	31%	3%
HENDRY	40%	42%	-2%
HERNANDO	26%	26%	0%
HIGHLANDS	35%	36%	-1%
HILLSBOROUGH	27%	24%	3%
HOLMES	31%	27%	4%
INDIAN RIVER	25%	25%	0%
JACKSON	33%	29%	4%
JEFFERSON	62%	49%	13%
LAFAYETTE	42%	51%	-9%
LAKE	33%	32%	1%
LEE	32%	29%	3%
LEON	28%	23%	5%
LEVY	29%	30%	-1%

District	2011	2010	Change 2010-2011
STATE	28%	28%	0%
LIBERTY	30%	28%	2%
MADISON	46%	50%	-4%
MANATEE	29%	27%	2%
MARION	33%	30%	3%
MARTIN	18%	16%	2%
MONROE	27%	26%	1%
NASSAU	24%	21%	4%
OKALOOSA	14%	14%	0%
OKEECHOBEE	30%	29%	1%
ORANGE	30%	29%	1%
OSCEOLA	36%	36%	0%
PALM BEACH	26%	25%	1%
PASCO	27%	26%	1%
PINELLAS	31%	31%	0%
POLK	38%	35%	3%
PUTNAM	37%	41%	-4%
SANTA ROSA	20%	17%	3%
SARASOTA	22%	22%	0%
SEMINOLE	21%	17%	4%
ST. JOHNS	16%	15%	1%
ST. LUCIE	36%	35%	1%
SUMTER	17%	16%	1%
SUWANNEE	24%	27%	-3%
TAYLOR	38%	29%	9%
UNION	26%	28%	-2%
VOLUSIA	24%	24%	0%
WAKULLA	22%	20%	2%
WALTON	28%	23%	5%
WASHINGTON	29%	25%	4%