Mathematics, Grade 10
Science, Grades 5, 8 and 11
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.
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
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
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**¹

<table>
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<tr>
<th>Grade</th>
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<th>Number of Students</th>
<th>Mean Developmental Scale Score</th>
<th>Mean Scale Score</th>
<th>Percent of Students by Achievement Level</th>
<th>Achievement Level Three &amp; Above²</th>
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¹ Data are for all students tested in all curriculum groups.

² 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)

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<th>Change 2010-2011</th>
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### 2011 FCAT Mathematics – Grade 10

**Percent Comparison by Year and District**

**Achievement Level 1**

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Science
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
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
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
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
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
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
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
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
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
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
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
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
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
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, 70 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
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 Test¹

<table>
<thead>
<tr>
<th>Grade³</th>
<th>Year</th>
<th>Number of Students</th>
<th>Mean Scale Score</th>
<th>Percent of Students by Achievement Level²</th>
<th>Achievement Level Three &amp; Above⁴</th>
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¹ Data are for all students tested in all curriculum groups.

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

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

⁴ 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)**

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### Percent Comparison by Year and District

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## 2011 FCAT Science Results - Grades 8

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## 2011 FCAT Science Results - Grades 11

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

**Achievement Level 1**

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