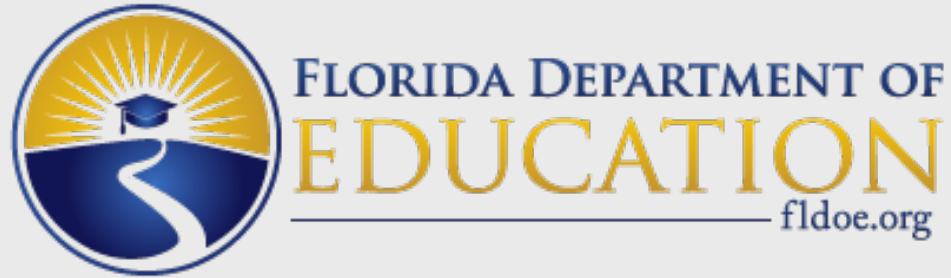


# Mathematics Assessment Update

## FCTM January 2020

Sarah Devereaux  
Test Development Center





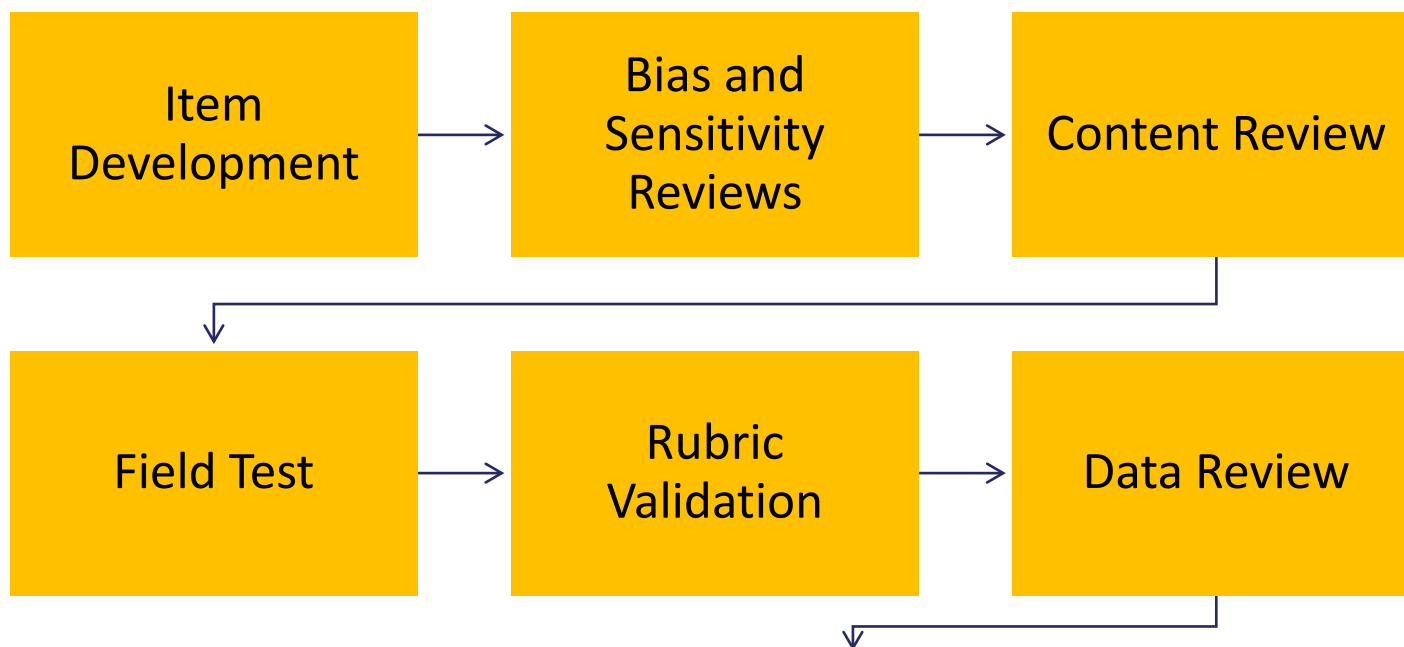
# Test Development Center

- Role of the Test Development Center
- Item Development Process
- Committee Participation

## Test Development Center (TDC)

- TDC is funded through a grant by the Florida Department of Education (FDOE). The grant is managed by Tallahassee Community College.
- TDC's purpose is to assist FDOE in the implementation of various aspects of the statewide assessment program.
- TDC works with contractors and Florida educators to develop test items for English Language Arts, Mathematics, Science, and Social Studies assessments.
- TDC also works with contractors and FDOE to produce and distribute interpretive products related to statewide assessments.

# FSA Mathematics Item Development Process



Florida  
Standards Assessments

# *One Year of Florida Assessment Committee Participants, 2018-2019*

## **Bias—35 Members**

- Mathematics
- ELA Reading/Writing
- Social Studies
- Science

## **ELA Reading and Writing— 150 Members**

- Alignment Study
- Content Advisory
- Passage and Item  
Content Review
- Rubric Validation
- Writing Rangefinder

## **Science—44 Members**

- Content Advisory
- Expert Review
- Item Content  
Review

## **Community Sensitivity— 34 Members**

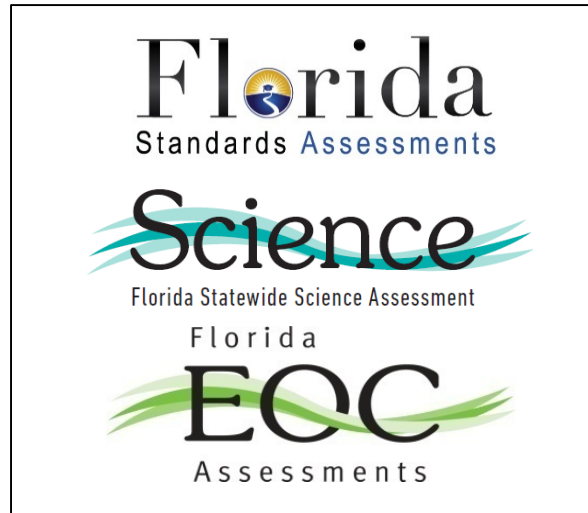
- Mathematics
- ELA Reading/Writing
- Social Studies
- Science

## **Mathematics—77 Members**

- Content Advisory
- Item Content  
Review
- Rubric Validation

## **Social Studies—33 Members**

- Content Advisory
- Content Expert and  
Item Review
- Content Expert  
Forms Review



**373 participants and 44 different committees**

# One Year of Florida Assessment Committee Participants, 2018-2019

## Ethnicity

- Asian: 1%
- African American: 16%
- Caucasian: 64%
- Hispanic: 11%
- Other: 8%

## Region

- Panhandle: 27%
- East Central: 17%
- Northeast: 16%
- South: 19%
- West Central: 21%



## Gender

- Female: 74%
- Male: 26%

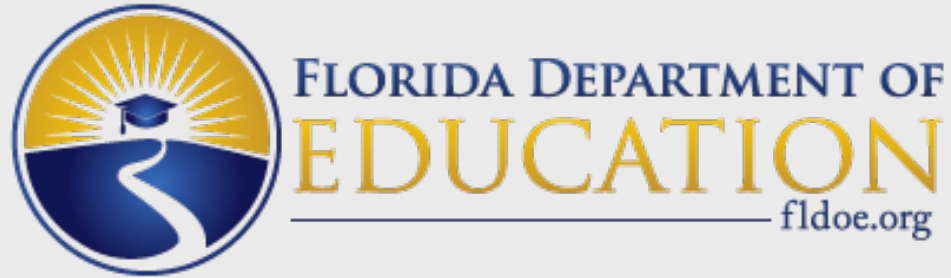
## County Type

- Rural: 11%
- Urban: 79%
- Suburban: 10%

## County Size

- Small: 10%
- Medium: 34%
- Large: 26%
- Jumbo: 30%

**373 participants and 44 different committees**



## General Information

- FSA Portal
- Practice Tests and Test Item Specifications
- Calculators
- Reference Sheets
- Statewide Assessment Program Information Guide



[Home](#) [Students & Families](#) [Test Administration](#) [Technology Resources](#) [About the FSAs](#)

# Florida

Standards Assessments

**Students & Families**

**Test Administration**

**Technology Resources**

**About the FSAs**

## Welcome to the FSA Portal

This portal is your source for information about the Florida Standards Assessments.

Florida's K-12 assessment measures the achievement of Florida's students and the progress of the state in developing and implementing a system of assessment that will prepare our graduates from high school ready for success in college, career, and life. Assessment supports instruction and student learning, and test results help Florida's educational leadership and stakeholders determine whether the goals of the education system are being met.

For information about Statewide Science or NGSSS EOC Assessments, please visit <http://www.fldoe.org/accountability/assessments/k-12-student-assessment>.

For more information about Florida standards, course descriptions, and standard resources, please visit [www.cpalms.org](http://www.cpalms.org).

**FDOE on Twitter**  
[Tweets by EducationFL](#)

Administer the FSA

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FSA Resources

Tests

Reporting

E

Visit FDOE

**FSA Test Item Specifications**

**FSA Test Item Specifications**

**Equation Editor Tutorial, FSA Calculator, Reference Sheets**



# Practice Tests

- In all FSA Mathematics grades and courses, at least one new or revised paper-based practice item per grade/course was updated in January 2020.
  - Updates are intended to show item types, item type combinations, and item formats.
  - Multi-interaction items were revised or added to paper-based practice tests.

# Test Item Specifications

- Test Item Specifications provide content and format information to item writers and reviewers.
- A summary of any revision(s) or update(s) is available in Appendix B of each grade/course's specifications document.
- The latest updates to the specifications were released in January 2020.

# PBT Practice Tests

- Students who will take an **FSA ELA Reading or Mathematics** paper-based test are strongly encouraged to practice at school.
  - Student presentations with animations and narrations
  - Directions for Completing—shorter practice with test items
  - Paper-Based Practice Tests
- These materials will be available on the FSA Portal under **Students & Families > Practice Tests**.

## CBT Practice Tests

- CBT students are required to participate in a practice test session prior to testing.
- Students retaking an assessment who previously completed this requirement for the test they will take (EOC or Retake) are not required to participate in another practice test.
- Students with CBT accommodations must use the appropriate accommodated practice test.
- Ensure test administrators do not start an Operational Session for practice.

# Practice Using the Online Calculator

The Desmos calculator for grades 7 and 8 and the EOCs can be found at:

<https://fsassessments.org/resources/ela-mathematics/>

[FSA Scientific Calculator \(Desmos\)](#)

Use this link to access the calculator that will be used for FSA Algebra 1 and Geometry EOC and Grade 7 and Grade 8 FSA Mathematics tests.

# Handheld Calculators

- January updates to the [calculator policies document](#) on the FSA Portal are limited to the Reference Sheets section.
- Districts are responsible for noting any calculator functionality changes to approved models.
- FDOE will not review/approve additional models for the list; however, districts may provide calculators if mathematics specialists in the district determine that they meet the published specifications.
- Handheld calculators are **OPTIONAL** for CBT and **REQUIRED** for PBT in calculator sessions.

# Handheld Calculators

- School staff and Test Administrators **MUST** be trained on the appropriate use of calculators:
  - Grades 7 and 8—**SESSIONS 2 and 3 ONLY**
  - FSA EOCs—**SESSION 2 ONLY**
  - NGSSS EOCs (Biology 1)—Four-function handheld
- Tests for students who have access to a calculator during noncalculator sessions OR who have access to a calculator with prohibited functionalities must be invalidated.

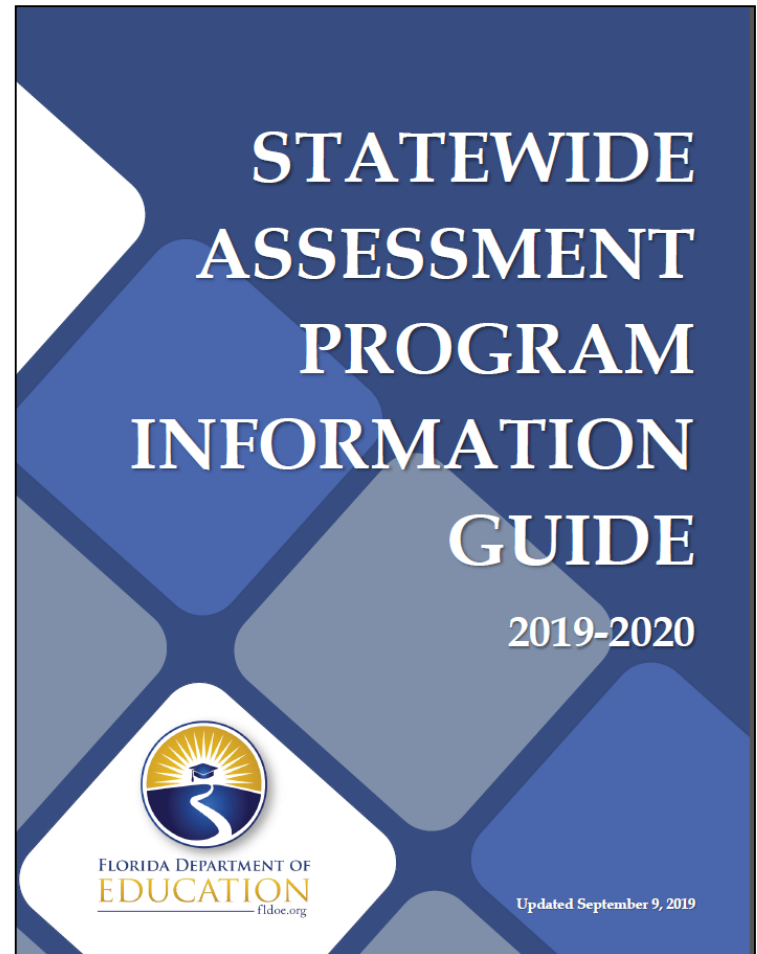
# PBT Reference Sheets

- The reference sheets for Grades 4–8 Mathematics and Algebra 1 and Geometry EOCs will be included in Sessions 1 and 2 (and 3, if applicable).
- These sheets do not have perforated pages, so students may not tear them out.
- Schools may print copies of the reference sheet.
- This policy information will be included in test administration manuals.



# Statewide Assessment Program Guide

- Online resource for information on the statewide assessment program
- Updated for the 2019–20 school year
  - Expanded description of test construction
  - Information on the standalone ELA Writing Field Test
  - Updated Resources in Section 8.0



# New Standardization Policies

- **Validity**

- Assessments are aligned to the content they are intended to measure

- **Reliability**

- Assessments consistently measure what they intend to measure

- **Standardization**

- Students take tests under the same conditions
- Scores are comparable

- **Independent Test Taking**

- Student test taking is free of **any** outside influence

# New Standardization Policies

- Spring 2019 Test Monitoring
  - Peer Review: “The State adequately monitors the administration of its State assessments to ensure that standardized test administration procedures are implemented with fidelity across districts and schools.”
  - One main purpose and outcome of the Spring 2019 pilot was to refine policies to improve standardization based on observations.
  - New policies and prohibited activities are in place **once test materials are distributed** (test and answer books, work folders).

# New Standardization Policies

## 1. Testing Strategies

- No monitoring, incentivizing, or using checklists.
- Example: Instructing students to use certain strategies, such as underlining key words in passages, and then monitoring the room to see if each student is using the strategy.

## 2. Check Your Work

- No instructing individual students to go back and check their work once they have finished.
- Does not apply to verbal encouragement accommodations on IEP or Section 504 Plan.

## 3. “Brain Dumping”

- No instructing students to write down formulas, acronyms, or other strategies on test materials once they are distributed but before testing begins.

# Examples

## Testing Strategies

- **Incentivizing** could be instructing students to use certain strategies, such as underlining key words in passages, and then **monitoring the room** to see if each student is using the strategy.
- A **checklist** would have the students' names and boxes next to "underlined passages," which would then presumably be used to praise or caution the student after testing depending on his or her behavior.
- A TA could say, "Jay, you weren't underlining. I better see you underlining in Session 2." The student's testing behavior is being influenced by the monitoring, and is not fully independent.

# Examples

## Check Your Work

- If a student has finished testing and closed his test and answer book before the allotted time is up, he may not be approached or told to go back and check his work.
- Requiring a student to return to the test when she feels she has finished is not independent test taking and could cause her to change something (right or wrong) she otherwise would not have.
- It must be the student's decision to check work.
- Reminders (script excerpts) may be displayed or re-read for the whole group during the break.

# Examples

## Brain Dumping

- Once students have test materials, a TA or other school staff may not instruct them to write specific items from memory before testing begins (e.g., formulas, acronyms).
- Students may choose to do this on their own; that is not prohibited.
- As with testing strategies, TAs may not monitor to see if students wrote specific items from memory on their materials.

## New Standardization Policies

- FDOE will be creating a Security Training for Test Administrators.
- New instructions will be included in the manuals, training materials, and on checklists and agreements.
- What is allowed?
  - Monitoring the testing room for cheating, electronic devices.
  - Re-reading portions of the script during the break (e.g., do not circle bubbles, review your work in this session only)
  - Displaying portions of the script in the testing room (e.g., a sign, poster, projection, note written on the board)
  - Accommodations that allow some of these behaviors (e.g., verbal encouragement)



# Contact Information – Test Administration


**Jenny Black – Director**

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# Assessment Dates

# 2019–2020 FSA/EOC Administration Schedule

 <b>Florida Standards Assessments (FSA)</b>	
FSA English Language Arts (ELA) and Mathematics	
Dates	Assessment
April 1–15, 2020	Grade 3 ELA Reading Grades 4–10 ELA Writing
May 1–29, 2020	Grades 7–10 ELA Reading Grades 7 & 8 Mathematics
May 4–15, 2020	Grades 4–6 ELA Reading Grades 3–6 Mathematics
FSA End-of-Course Assessments	
Dates	Assessment
September 9–27, 2019 December 2–20, 2019 May 1–29, 2020 July 13–24, 2020	Algebra 1 & Geometry
FSA Retakes	
Dates	Assessment
September 9–20, 2019	Grade 10 ELA Writing Retake
September 9–27, 2019	Grade 10 ELA Reading Retake
February 24–March 13, 2020	Grade 10 ELA Writing Retake Grade 10 ELA Reading Retake Algebra 1 EOC Retake



# End-of-Course (EOC) Assessments

- FSA Algebra 1 Retake

# Spring FSA Algebra 1 RETAKE

- A retake-only administration of the FSA Algebra 1 EOC assessment is available in the spring for:
  - Students who need to retake FSA Algebra 1 EOC, OR
  - Graduating seniors who need to pass the assessment (February 24–March 13).
- Results will be reported on an accelerated timeline.
- First-time test takers participate in the FSA Algebra 1 EOC administration (May 1–May 29).
- Students may not participate in both spring FSA Algebra 1 EOC administrations.

# Spring FSA Algebra 1 RETAKE

- Students who need to retake the FSA Algebra 1 EOC assessment in the fall, winter, or summer participate in the regular FSA Algebra 1 EOC administration (there is no “retake” test in TIDE or TDS for these administrations).

<http://www.fsassessments.org/resources/>

# FSA Algebra 1 and Retake

	Fall 2019 EOC (9/9–9/27)	Winter 2019 EOC (12/2– 12/20)	Spring 2020 Algebra 1 Retake (2/24–3/13)	Spring 2020 EOC (5/1–5/29)	Summer 2020 EOC (7/13–7/24)
<b>First-Time Test Takers</b>	<b>X</b>	<b>X</b>		<b>X</b>	<b>X</b>
<b>Retakers</b>	<b>X</b>	<b>X</b>	<b>X</b>		<b>X</b>



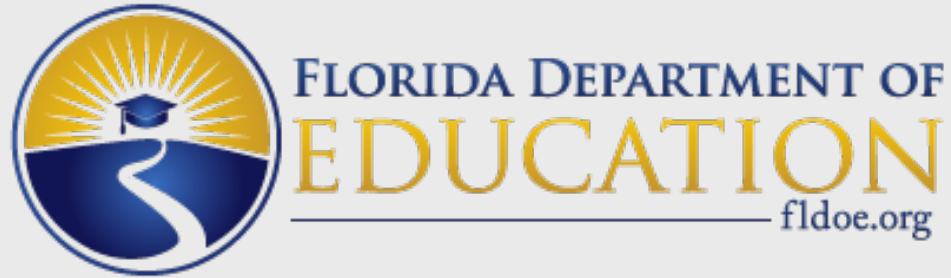
# Released Tests



## Released Tests: Timeline of Activities

- Summer 2019–Spring 2020: Finalize format of released test interpretive products (IP)
- Summer 2020: Select operational test forms for use in Spring 2021; begin parallel production of released test forms and accompanying IP
- June 30, 2021: Report all scores; release test forms in grades 3 and 10 ELA (including grade 10 ELA Writing prompt), Algebra 1, and middle grade ELA (w/prompt) and Mathematics (grade TBD), science (grade TBD) and social studies (subject TBD)
- July 2021: Districts receive individual student score reports, which will include individual Writing responses in released grades only

Source: [DAC Powerpoint August 2019](#)



# Executive Order 19-32

## Executive Order 19-32

[Executive Order 19-32](#) directs Florida Department of Education Commissioner Richard Corcoran to comprehensively review the academic standards for Florida's Kindergarten through grade 12 students and provide recommended revisions to Governor DeSantis.

- Articulate how Florida will eliminate Common Core (Florida Standards) and ensure we return to the basics of reading, writing and arithmetic
- Provide a roadmap to make Florida's standards number one in the nation
- Suggest innovative ways to streamline testing
- **There will be no changes to statewide assessments related to the executive order in 2019–20.**

Source: [DAC Powerpoint August 2019](#)



## Assessment Meetings

- October 2019 Test Item Specifications Content Advisory Committee (CAC)
- March 2020 New Benchmarks' Assessments CAC
- March 2020 Achievement Level Descriptions (ALD)

# October 2019 Test Item Specifications CAC

The Department convened a Content Advisory Meeting to:

- Gather feedback on FSA Mathematics Test Item Specifications for grades 3–8, Algebra 1, and Geometry.
- Seek committee guidance and recommendations regarding the Test Item Specifications, such as Assessment Limits, Calculator Use, etc., and ensuring appropriateness across grade bands (i.e., grades 5 and 6, grade 8 and Algebra 1/Geometry).

Recommendations gathered from the committee may also be used to inform Department actions to help enhance instructional support for Florida's mathematics teachers.

# March 2020 New Benchmarks' Assessments CAC

The Department is convening a Content Advisory Meeting to:

- Gather feedback on test design summaries and blueprints aligned to the new benchmarks' assessments.
- Seek committee guidance and recommendations regarding new assessments' test item specifications.

## March 2020 Achievement Level Descriptions

The Department is convening an Achievement Level Descriptions (ALD) Meeting to:

- Create descriptions by benchmark of students' level of achievement on the new assessments.
- Define what student content knowledge is sufficient to show mastery of each benchmark.

The ALD documents produced from this meeting will be used in the future Standard Setting process for the new assessments.



## Contact Information



# Mathematics Contact Information

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## Executive Director

## Test Development Center

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[www.FLDOE.org](http://www.FLDOE.org)



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