

**SAVVAS**

**FLORIDA**  
Assessment  
Grades K–8

**SAVVAS SCIENCE**  
EXPLORATIONS



# Your Students' Learning Journey

A robust suite of assessment options provides you with an ongoing picture of student progress toward mastery of Florida Science Standards. Use the data from assessments to personalize learning for your students.

## 1 Diagnostic

Identify needs

## 2 Formative Assessments

Use formative assessments to drive instruction

### Start with a Pretest

Differentiate instruction and establish learning goals based on evidence obtained from the assessment. Set the bar to achieve Florida Science Standards mastery of new content.

Share results with students so they can take ownership of their learning and participate in framing future learning goals.

### Digital Activities

Digital activities with embedded formative assessments give you insight into students' abilities to analyze data and content as they investigate.

### Labs and Hands-On Activities

Performance assessment grades can be gathered through quick labs and hands-on activities.

### Digital Quizzes

Digital quizzes for each lesson provide a way to determine differentiation strategies as you teach and provide students with remediation opportunities.

### Exit Tickets

Check for understanding with exit ticket options embedded in the Teacher Guide and Presentation.



### 3 Summative and Performance-Based

Assess for deep understanding

### 4 Florida Science Standards Mastery

Prepare for success on Florida tests

#### STEAM Projects

Inquiry projects are investigative assignments that you can use to evaluate student progress in understanding real-world phenomena.

#### Topic Test

Use the topic test to evaluate students' understanding of the content.

#### Performance-Based Assessment

Use suggested activities as performance assessments where students can demonstrate their understanding.

#### Benchmark Tests

Benchmark tests are provided to determine progress toward mastery.

#### Cumulative

Use the practice tests to prepare for Florida Statewide Science Assessments.

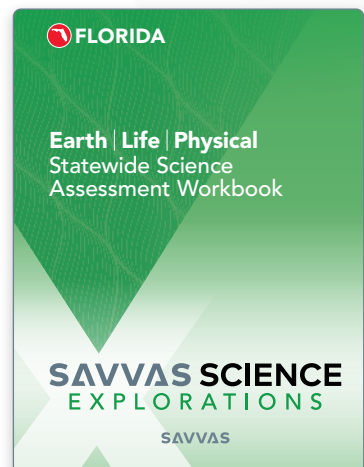
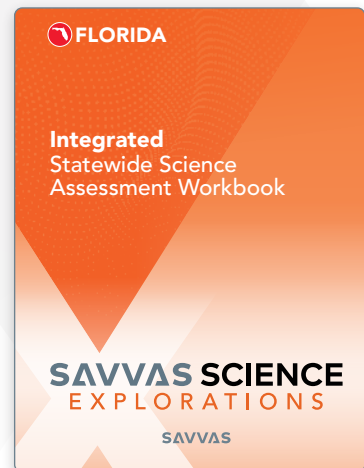
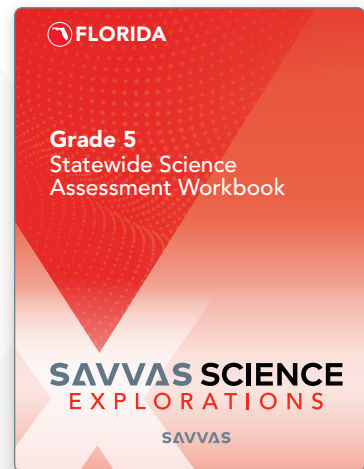
#### Standards-Based Assessments

Stand-alone standards-based assessments provide students with authentic practice for the state-level assessment.

# Prepare Your Students for the Florida Statewide Science Assessment

(Grades 5 and 8)

- All assessments are available in print and on the Savvas Realize® digital platform for online test-taking.
- Multiple choice questions are auto-scored online.
- Practice questions are available for each topic to reinforce knowledge and enhance test-taking skills.
- Complete practice tests align to Depth of Knowledge (DOK) levels of Florida's assessments.
- The Assessment Workbooks prepare your students for Florida Statewide Science Assessments.



## Depth of Knowledge

All practice and assessments align with Florida Statewide Science Assessment DOK levels.

Answer keys include an item analysis with DOK level, difficulty level, and benchmarks.

## Diagnostic

Start the school year with a diagnostic assessment to help you determine students' content and skills knowledge. (Also available on the Savvas Realize® online course.)

A student created this model of the solar system. Part of the model is shown.

What is the error in the model and how should the model be changed to correct it?

- A. The asteroid belt is misplaced. Move the asteroid belt so that it is outside the orbit of Neptune.
- B. The labels on the comets and asteroids are reversed. Move the labels to show that asteroids have tails and many comets are found in a region between Jupiter and Mars.
- C. Earth and Mars are shown in incorrect positions. Move Earth to where Mars is and move Mars to where Earth is.
- D. The relative sizes of the planets are shown incorrectly. The outer planets should be much smaller than the inner planets.

Planets of the solar system have similarities and differences.

Comparing Four Planets

|                             | Neptune                   | Saturn                    | Uranus                    | Jupiter                   |
|-----------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Equatorial Diameter (km)    | 49,528                    | 120,536                   | 51,118                    | 142,984                   |
| Distance From Sun (AU)      | 30.05                     | 9.55                      | 19.20                     | 5.20                      |
| Orbital Period (Earth days) | 59,800                    | 10,747                    | 30,589                    | 4,331                     |
| Moons                       | 14                        | 62                        | 27                        | 67                        |
| Mean Temperature (°C)       | -200°C                    | -140°C                    | -195°C                    | -110°C                    |
| Atmospheric Composition     | hydrogen, helium, methane | hydrogen with some helium | hydrogen, helium, methane | hydrogen with some helium |

Which statement correctly compares the characteristics of the four planets in the table?

- A. The atmospheres of all four planets are formed mostly of hydrogen, but their temperatures are very similar.
- B. The atmospheres of all four planets are formed mostly of gases, but their temperatures grow increasingly colder the farther away they are from the sun.
- C. The four planets are extremely cold, but their orbital periods are quite similar to that of Earth.
- D. The number of moons of the four planets is similar, but the planets vary greatly in size.

## Benchmark Tests

Inform student progress throughout instruction. Tests are found on Savvas Realize<sup>A</sup> and can be used to guide instruction by allowing you to view student and class mastery by standard.

## Standards-Based Practice Tests

Prepare students for the rigorous Florida Statewide Science Assessment. Each assessment is modeled, formatted, and written to simulate the state administered test items.

# examview

Name \_\_\_\_\_ Date \_\_\_\_\_

Use the information to answer questions 22 through 24.

Dodos were large, flightless birds that lived in isolation on the island of Mauritius. Dodos were not afraid of humans when people first discovered dodos in 1598. Dodos were most likely omnivores, eating fruits, seeds, and occasionally crabs.

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Name \_\_\_\_\_ Date \_\_\_\_\_

Use the information to answer questions 34 through 36.

Flora's science class is studying pendulums as an example of cyclic motion. All the teams in the class have identical weights that hang from strings of the same length. The teams have measured the time for one back-and-forth cycle and found that the time is the same whether the pendulum swings through a small arc or a large one. The teacher points out that the constant cycle time of pendulums is why they have been used in clocks for hundreds of years.

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Name \_\_\_\_\_ Date \_\_\_\_\_

Use the information to answer questions 77 through 21.

Students investigate the solubility of different substances in water. They record their results and make a graph to organize the data.

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Name \_\_\_\_\_ Date \_\_\_\_\_

Use the information to answer questions 40 through 42.

In 1994, Annie Jump Cannon joined a team of women astronomers at Harvard University during a time when few women were permitted to attend. Her team developed a classification system for stars. She classified more than 350,000 stars in her lifetime, more than other scientists in her field. Her organizational system is still used by astronomers all around the world. It can be seen in the chart below.

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All Test Questions are Available on ExamView®

# Integrated Assessment Support

## Interactivity

### METAL DETECTIVE

Students determine whether or not a ring is made of sterling silver based on the ring's physical properties.

- After students complete the Interactivity, ask them what properties of different metals can be easily observed and what properties they would need tools to measure. (Color, size and shape can be easily observed. Measuring mass and magnetism requires tools.)

Answers are provided for items that are not auto-graded or do not offer solutions.

3. silver; nickel
5. Answers will vary. Sample answer; The best method would be to weigh the rings. The silver ring is heavier than the nickel ring.

### DIFFERENTIATED INSTRUCTION

**Describe Properties** For students who are striving to understand properties of matter, have them gather several items from around the classroom and describe them according to their properties. Encourage them to look beyond size, color, or shape. Have students organize their items by their properties, finding similarities and differences in texture, weight, and hardness.

**Make and Test Predictions** For students who are ready for a challenge, have them list some of the items around the classroom that they predict may contain iron or steel. Have them design a simple experiment using magnets to test their predictions. Remind them of the importance of using evidence in making explanations.

## Performance-Based Assessment

Labs, digital interactivities, and hands-on activities allow students to show what they know, while increasing in-class participation and engagement. Teachers can utilize data to identify opportunities for **Differentiated Instruction**.

## Exit Tickets

Ensure students understand what they've explored before continuing on. Ready-made options are available in the Teacher Guide and Lesson Presentations. Exit Tickets can be edited to create as many variations as needed.

### EXIT TICKET

Have students read the following incomplete statement and ask them to provide the missing information.

The factors necessary for photosynthesis to take place are sunlight, water, and \_\_\_\_\_. (carbon dioxide).



# SCIENCE 3D

## STEAM Projects Grades (3-8)

Create an active learning environment with STEAM Activities and Science 3D Adventures. Immerse students to work and think like real scientists and engineers as they take a deeper dive in phenomena explorations.



# Start Your Digital Review Today

With one login, you can access everything—from Florida Standards-aligned content and customizable assignments to calendars, analytics, and groups. Savvas Realize® moves learning forward to better serve each student, teacher, and Florida school district.

Everything is just a click away.



Visit our website to learn more about Florida science programs from Savvas Learning Company: [Savvas.com/FLScience](https://Savvas.com/FLScience)