

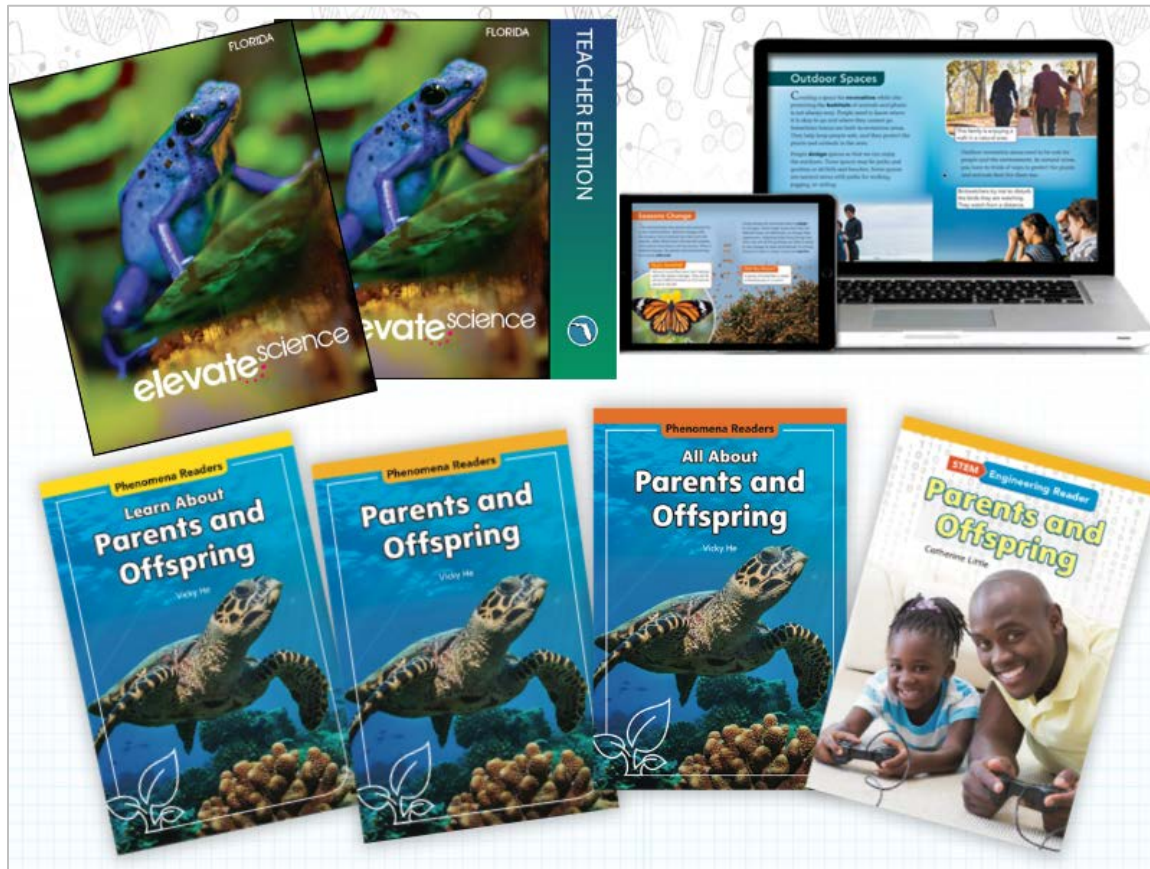
Elevate Science © 2019 Florida Program Overview



If you're anything like me, getting a new science curriculum can feel exciting but also a little overwhelming!

In this tutorial, we'll fly through the basics of teaching with Elevate Science 2019 Florida and how it can equip you to support a culture of scientific inquiry in your classroom. Scared of heights? We've got you covered.

Program Materials



You've received a package of books and materials along with a digital subscription to Savvas Realize™. So now what?

Let's look at both the print and digital versions of the program components to see how they will help you plan and teach your science lessons.

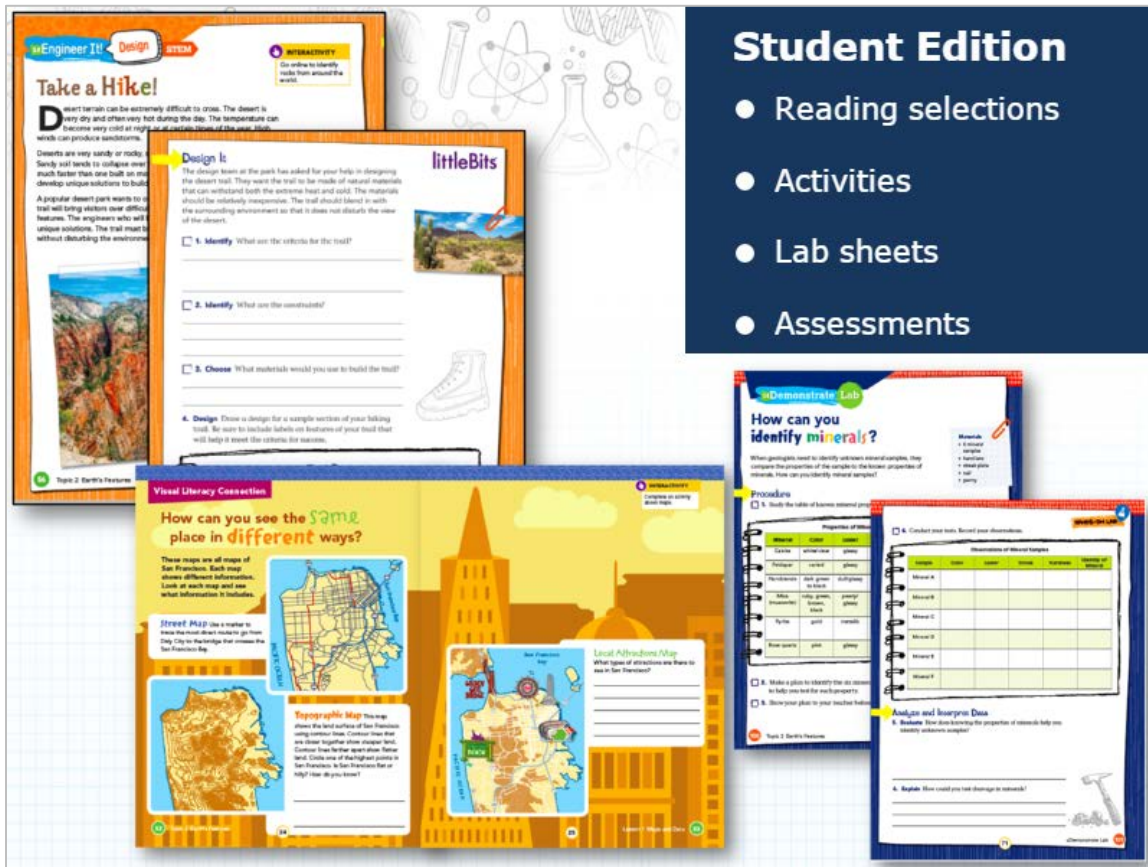
Teacher's Edition

Teacher's Edition

- Mirrors Student Edition
- Contains additional front and end matter and embedded supports

Your print Teacher's Edition mirrors the Student Edition but also contains additional front and end matter and embedded supports on each page.

Student Edition



The Student Edition contains reading selections, activities, lab sheets, assessments, and more. The *Nature of Science Handbook* at the end of the text contains information and activities around the science and engineering practices.

Students can complete these activities in their writable print version or the Realize Reader Student eText. Many students will love the option to hear the text. Students can also download some activities as a Word doc, and starting in Grade 2, students can answer questions in a digital notebook that you can view and grade!

Students can also complete interactive versions of activities on Savvas Realize.

Leveled Readers



The image displays four leveled reader book covers. The first three are 'Phenomena Readers' with a blue cover and a sea turtle illustration. The fourth is a 'STEM Engineering Reader' with a white cover and a photo of a man and a child playing video games. Below the books is a grid with four bullet points representing the reading levels.

- Below Level
- On Level
- Above Level
- STEM Engineering

In addition to the primary textbooks, you have print and digital versions of Phenomena Leveled Readers and STEM Engineering Readers that correspond to each topic—perfect for differentiating. The digital books offer audio read-aloud and annotation features.

Materials Kits



- Classroom Materials
- Labware Safety
- littleBits® STEM Invention
- Maker Crates

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You may have also received equipment materials that you can use during hands-on activities and labs. Didn't receive any materials kits? Fortunately, most of the materials are common items that you can gather. A list of these items is found at the beginning of each topic in the Teacher's Edition. Or use the virtual labs instead!

Typical Lesson

Quest Kickoff
Does X Mark the Spot?
That's Up to You!
How can we use Earth processes to find buried treasure?

Hi! I am Selena Patrick, a geologist. I am an expert on landforms. I recently found a bottle with a map inside that shows there are hidden treasures buried deep within three land areas. There was also a clue that says the treasures are buried in locations that will one day be exposed through changes in Earth's surface.

In this problem-based learning activity, you will study maps, build landform models, test how those landforms may change over time, search for treasure, and present your findings.

Follow the path to discover what you need to do to complete the Quest. The Quest Check-In activities will help you complete the Quest. You can check off every step you complete with a quest check ✓. Go online for more Quest activities.

Lesson 1
Learn how to read different types of maps. Find out how understanding parts of maps will help you locate the buried treasure.

Lesson 2
Learn about the patterns of some landforms, where they occur, and how they are made.

Lesson 3
Discover how rocks, minerals, and soil form and how they create Earth's landforms.

Lesson 4
See how the effects of weathering and erosion shape landforms. Learn how these processes can help you find the treasure.

Lesson 5
Florida has many resources. Find out how erosion can impact the availability of these resources.

Quest Findings
Use what you have learned about maps, models, and Earth's features to describe changes your landform underwent and how you discovered the treasure.

VIDEO
Watch a video about a geologist.

16 **17** **18**

Whoa, back up there! Before we look at the lesson detail, let's zoom out a little. First and foremost, make sure you've set up each topic with the Quest Kickoff.

In the Quest, students meet a career scientist who presents an interesting real-world problem to solve, like finding buried treasure! The Quest presents a problem for students to solve using the science content and practices in that topic. They'll complete check-in activities during lessons as they develop ideas, and then they'll present their findings at the end of each topic.

Now, you asked about a lesson, so let's dig in!

Just remember-Connect, Investigate, Synthesize, Demonstrate. These four things describe what students will be doing in each lesson phase. And follow the 5E inquiry process of Engage, Explore, Explain, Elaborate, and Evaluate.

Connect activities build background knowledge that can help students engage with the phenomena and make sense of the lesson's context.

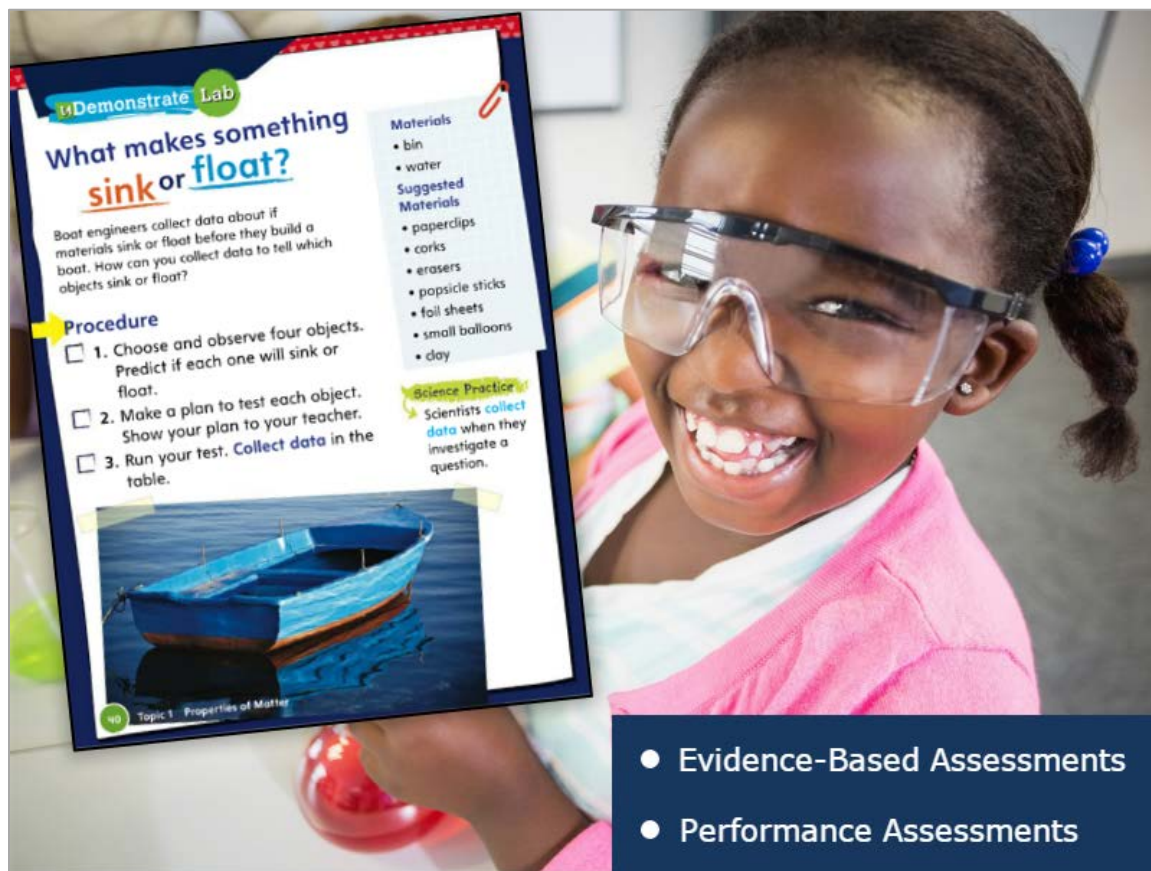
Investigate activities are my favorite. This is where you'll find labs and videos where students explore the scientific phenomena.

Next, they synthesize what they've experienced through activities like interactivities, Quest Check-Ins, and classroom discussions to test out their ideas on a problem situation to see what works and why.

Finally, they'll demonstrate what they've learned through a Quiz and maybe a Quest Check-In.

Don't forget the Topic Close, where students will put what they've learned into their Quest Findings!

Assessment and Differentiation



You'll find assessments at the end of each lesson, at the end of each topic, in the *Florida Science Assessment Workbook*, and in the Program Resources folder on Savvas Realize. Florida Elevate Science assesses the Florida Next Generation Science Standards as well as Fair Game Benchmarks. Let's look at a few of my favorites.

Elevate Science includes more traditional forms of assessment that show what students know, but you'll love the Evidence-Based Assessments and Performance Assessments at the end of each topic that show you what students know how to do, including designing and running their own lab experiments! And don't forget the Quest Findings, where students present their findings based on the ideas they have been developing and refining over the course of a topic.

All of this may sound like a lot for your little ones, but Elevate Science educators believe that all students can engage in meaningful scientific inquiry! So let's find out how.

Look in your Teacher's Edition for tips on differentiating to all students-struggling students, English language learners, and advanced learners.

If some of your students struggle with reading, they can use the audio support features in the Realize Reader eText to have the text read aloud to them.

Digital Materials



The Assignments option provides information on the status of your assignments.

You may be wondering how useful the digital program will be if computers are in short supply for your students. But guess what? Even with a single computer, you can blend in the digital resources. And you don't want to miss the incredible videos and interactivities that Savvas Realize has to offer!

Let's take a quick interactive tour of the Savvas Realize platform, where your digital course is housed.

Once you've logged in, you'll notice that the Savvas Realize home page is divided into three sections- Programs, Classes, and Data.

Use the activities on Savvas Realize to project for the class or assign individually for students to complete on their own.

Still feeling a little shaky about navigating and using the Savvas Realize platform? Visit My Savvas Training to view the complete library of training topics.

Time Management Strategies

Lesson 4 Planner
Use Liquids and Gases

Lesson Objective
• Investigate how the properties of some liquids and gases make them useful.

CONNECT	INVESTIGATE	SYNTHESIZE	DEMONSTRATE
<ul style="list-style-type: none"> Jumpstart Discovery! Vocabulary App 	<ul style="list-style-type: none"> Investigate Lab <i>How can make a bigger bubble?</i> Lesson 4 Use Liquids and Gases 	<ul style="list-style-type: none"> Experiment with Solids, Liquids, and Gases Quest Check-In Liquid and Gas Toys Enrichment Activity 	<ul style="list-style-type: none"> Lesson 4 Quiz ExamView DVD

Next Generation Science Standards

- 2-PS1-1** Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.
- 2-PS1-2** Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.
- SEP.3 Planning and Carrying Out Investigations** Plan an investigation collaboratively to produce data to serve as the basis for evidence to answer a question.
- CCC.3 Cause and Effect** Simple tests can be designed to gather evidence to support or refute student ideas about causes.
- CCC.4 Systems and System Models** Systems in the natural and designed world have parts that work together.

ELA, Math, and ELD Standards

English Language Arts

- RI.2.8** Describe how reasons support specific points the author makes in a text.
- W.2.7** Participate in shared research and writing projects (e.g., read a number of books on a single topic to produce a report; record science observations).
- W.2.8** Recall information from experiences or gather information from provided sources to answer a question.

Mathematics

- MP.2** Reason abstractly and quantitatively.
- MP.5** Use appropriate tools strategically.

English Language Development

- English language learners communicate for Social and Instructional purposes within the school setting.
- English language learners communicate information, ideas and concepts necessary for academic success in the content area of Science.

As a former elementary teacher, I know how difficult it can be to find time for teaching science when other subjects seem to always take priority. So if you're pressed for time, use the Lesson Planner to find each lesson's core activities. They're indicated by a yellow clock.

Also, here's a little secret between us. Use those Literacy Connections, Leveled Readers, and STEM Math Connections to bring Elevate Science activities into your math or literacy blocks! You can't go wrong when the Next Generation Sunshine State Standards are listed right there in the Teacher's Edition!