

Get Ready to Be Inspired!

Introducing the new modular K-5 science learning experience designed to prepare the next generation of innovators.

Program Overview





WHY IS THE SKY BLUE?

WHY IS THE EARTH ROUND?

WHY DOES THE SUN?



InspireScience

Get Ready to Be Inspired!

Learning begins with curiosity. Florida Inspire Science is designed to help you spark students' interest and empower them to ask more questions, think more critically, and maximize their ability to creatively solve problems. Florida Inspire Science's instructional model will prove that science education can be comprehensive and offer fun learning experiences that are sure to pique the interest of the bright minds in your classroom. Let us, help you cultivate curiosity and inspire the next generation of innovators, visionaries, and inventors.

Embrace science through a simple, user-friendly teaching experience. USER-FRIENDLY Get more out of science time through built-in literacy and math connections. CONNECTED of STEM opportunities.

one of the twenty-six *Florida Inspire* Science STEM Career Kids your students will meet in the Inspire Science lessons. We help kids imagine what they might become when they grow up.

Hi, my name is Chloe. I am

INSPIRING

Prepare students for a future full

CHLOE Carpenter



A Flexible, Digital, Learning Experience with Print Where It Matters Most

Interactive Whiteboard and Mobile Friendly

DIGITAL



SIMULATIONS













































Components Overview



DIGITAL AND PHYSICAL

TEACHER'S EDITION

(Grades K-5)



SCIENCE PAIRED READ ALOUDS



BE A SCIENTIST NOTEBOOK

(Grades K–5)



SCIENCE HANDBOOK



2

LEVELED READERS



Digital versions of the student books include audio, dynamic search tools, text highlighting, and more.

쑸

PHYSICAL

LAB KITS

Florida Inspire Science lab kits contain hands-on activity materials clearly labeled and correlated to each module.

> **GRACE** Computer Programmer

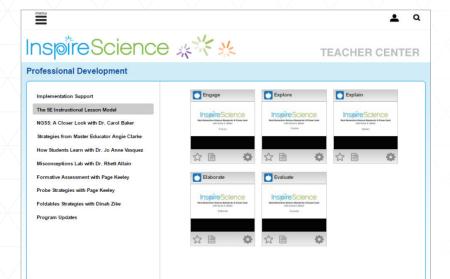


User-Friendly Lesson Structure

Florida Inspire Science lessons are designed with the familiar and proven 5E instructional model. Each lesson also comes with an easy-to-follow process so you know exactly what comes next.

Each *Florida Inspire Science*

lesson begins with a Page Keeley Formative Assessment Probe.



PAGE KEELEY, M.ED.

Key Steps to Lesson Success



🧿 I Will

Learning Progression

ASSESS LESSON READINESS ENGAGE EXPLORE 1 Page Keeley Science Probes 2 Science in Our World 5 Page Keeley Science Probes 3 Page Keeley Science Probes 3 Page Keeley Science 5 Page Keeley Science 1 Page Keeley Science Probes 3 Page Keeley Science 5 Page Keeley Science

☑ User-Friendly



Fast Track = 4-6 days of instruction



User-Friendly Inquiries and Investigations

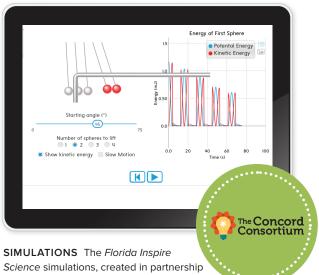
Florida Inspire Science offers multiple inquiry activities and investigations at the module and lesson levels. Hands-on activities and performance tasks provide students the opportunity to expand content knowledge and demonstrate skills in science and engineering. Deeper conceptual understanding of science and engineering is also supported through digital simulations and game-based learning.



HANDS-ON LEARNING



GAME-BASED LEARNING Filament Games creates digital learning games and interactives designed to foster 21st-century skills through experiential learning. *Florida Inspire Science* has partnered with Filament Games to create game-based learning that enables students to "play" with the lesson concepts to deepen conceptual understanding.

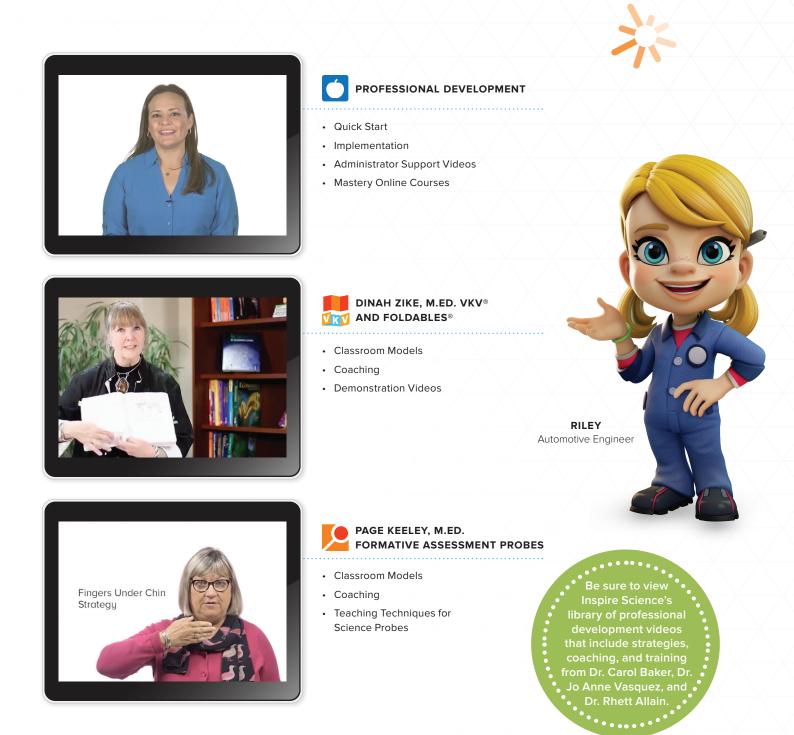


with The Concord Consortium, allow students to explore cause and effect in ways that scientists and engineers do in real life and enable them to model concepts otherwise not possible to explore in the classroom.

☑ User-Friendly

User-Friendly Support

Florida Inspire Science comes with extensive support and professional development to ensure that you are able to teach every one of our science lessons with great success—and feel like a real science guru, too!





Key Shifts for STEM Advancement

With every year comes increased growth in Science, Technology, Engineering, and Math (STEM) career opportunities and a widening "STEM Gap" (more jobs than qualified candidates). As educators, we have an amazing opportunity to help close this gap and better prepare students for STEM careers by shifting to a more in-depth, collaborative, and project-based learning approach that blends knowledge with skills and places a priority on curiosity, problem solving, and communication.

Authentic STEM Learning

Students will actively engage in learning experiences that are driven by exploration and discovery. The seamless integrating of the engineering practices and the creative use of technology will enhance learning and accelerate students' depth of knowledge.





Application Over Memorization

Florida Inspire Science students will build long-lasting knowledge and skills by experiencing science and engineering in a more meaningful, application-oriented way.



ConnectEd



Collaboration and Communication

Key to the success of any science or engineering innovation is the ability for the inventors to work well in groups and clearly communicate their ideas with support from data and evidence. Florida Inspire Science students will have abundant opportunities for group collaboration and communication.



Preparing for Future STEM Opportunities

Advancements in today's technology has created new and exciting careers and ever-changing STEM opportunities.

Comprehensive instructional practices and integrated 21st century skills prepare all students to use science, technology, engineering, and math to drive innovation and be competitive in future STEM occupations.



InspireScience

Cross-Curricular Connections

Florida Inspire Science connects the science you teach to the core subjects your students study. By integrating science, literature, and math, students master key concepts that impact science and beyond.

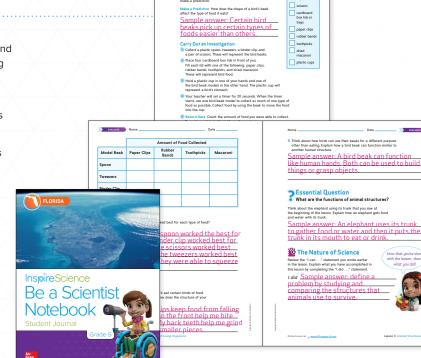


×÷

Science + Engineering Practices

Students achieve and demonstrate greater understanding through hands-on science and engineering activities using the engineering design process.

- Using technology to enhance learning
- Asking Questions and Defining Problems
- Creating and Modifying Models
- Planning and Carrying Out Investigations
- Analyzing and Interpreting Data
- Using Mathematics and Computational
 Thinking
- Constructing Explanations
- Designing Solutions
- Engaging in Argument from Evidence
- Obtaining, Evaluating, and
 Communicating Information
- Driving innovation



Performance Task Bird Beak Adaptations

PERFORMANCE TASK

Math Practices

Students solve science and engineering challenges using math skills including:

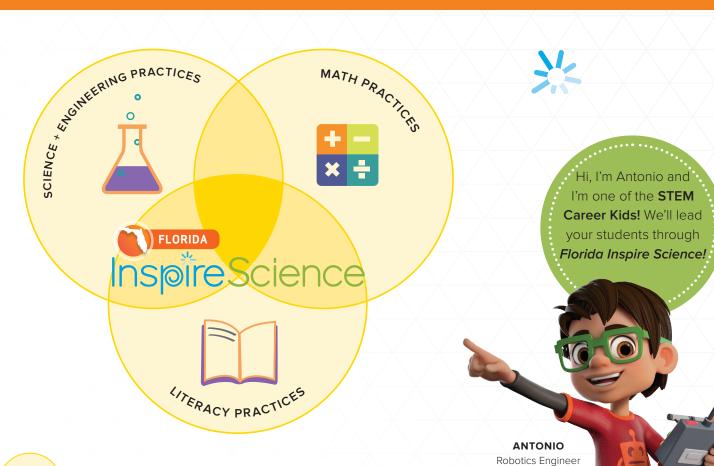
- Analyzing and Interpreting Data
- Using Mathematics and Computational Thinking
- Developing and Using Models
- Obtaining, Evaluating, and Communicating Information





SIMULATIONS

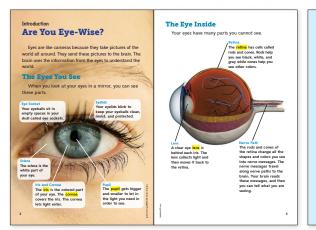
ConnectEd



Literacy Practices

Students hone close reading, writing, and communication skills, develop solutions to real-world challenges while learning about exciting science content.

- Build Literacy Skills and Science Knowledge with Content-Rich Text
- · Obtain, Evaluate, and Communicate Findings Effectively in Response to Tasks
- Engage in Arguments From Evidence and Apply Reasoning Skills
- Develop Research and Close-Reading Skills
- Advance Communication and Writing Skills with Text-Dependent Questions
- Develop Summary and Text-Evidence Skills
- Make Fiction and Informational Text Connections





- Text Evidence
 1. How do you know that The Way Eyes See It is a
 nonfiction text? Identify the text features that tell
 wout this GENER
- Read the book again with a partner. Make a Venn diagram to compare human eyes with the eyes of one animal described in the book. COMPARE AND

 What is the meaning of the word *pupil* on page 2? What is another meaning for the word *pupil*? What clues in the text show you which meaning to use on page 2? HOMOGRAPHS

4. Find out more about the human eye. Use a Venn diagram to compare two parts of the human eye. Write a paragraph to describe how these parts are similar and how they are different. WRITE ABOUT READING by Lisä vo Rudy READ Keito Opens Her Eye

The Way

ives

LEVELED READERS Approaching, On, Beyond, ELL, & On-Level Spanish (Grades K-5)



Preparing Tomorrow's Innovators

The pace of change is accelerating. The challenges your students will face in their careers will likely be ones that don't even exist yet. Their future will require problem-solving skills that go beyond the status quo. *Florida Inspire Science* is designed to help today's students prepare for any future they may face through an emphasis on problem-based and career-based learning. With *Florida Inspire Science*, your students will learn to think like scientists and engineers, and develop the skills they need to create solutions to everyday challenges.



Problem-Based Learning

Empower students to develop critical-thinking through *Florida Inspire Science*'s problem-based learning components.

MODULE WRAP-UP Name Date	Name Date MODULE WEAK
Florida Plants and Animals	How do Ming things develop as they grow?
Conserve the growth and the cycle of an organism. Seedling, grow into an adult plant, produce a flower, and reproduces by producing a seed. Carry Out an Investigation Conse one of the following mealworm, cricket, green ban plant, or pine to be. Students should record their plant to obsee the life cycle of their organism.	Part of life cycle Observations t. or consol Seed Sample answer: The seed starts to split as the plant inside starts to grow, Sample answer: The seedling broke our of the seed case. young plant Sample answer: The seedling broke our of the seed case. young plant Sample answer: The stem of the adult plant started to get harder and darker. Communicate Information Prepare a presentation to share your results. Include the following: - a diagram of your animal or plants life cycle - drawners or block or your considing as it went through
60 Module Wrap-Up Florida Plants and Animals	Did you learn the answers to all of your questions from the beginning of the module? If not, how could you design an experiment or conduct research to help answer them? Othic Centerat, generating Module Wrap-Up Florida Plants and Animab



Notebook

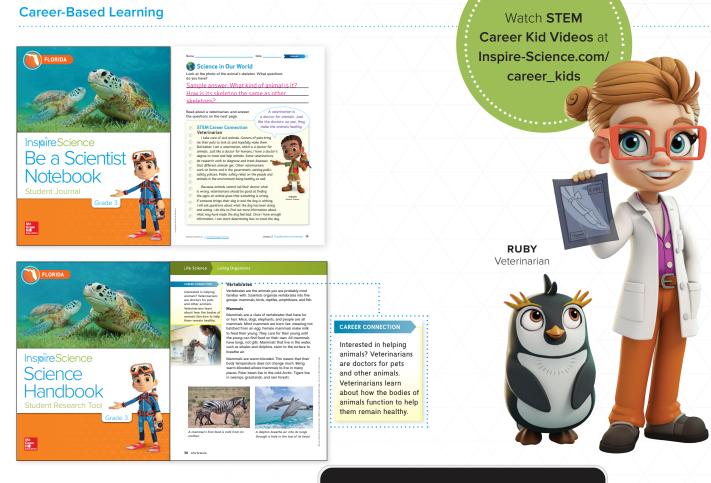
Mc Graw Hill

PERFORMANCE PROJECT

Students will apply their learning with a performance projects at the close of every module.



مُ



Expose students to real-life STEM careers to build knowledge and create excitement about future careers in science, technology, engineering, and math.

ENGAGE

STEM Career Connection Veterinarian

Veterinarians are scientists who use their knowledge of animal structures and functions to help them prevent, identify, and treat problems animals may have with their health.



ePresentations help cool STEM careers come to life in the classroom.





FLORIDA InspireScience

USER-FRIENDLY • CONNECTED • INSPIRING



To explore further, visit mheducation.com/ prek12Florida

