

# HMH **Florida** Science

REIMAGINED/REINVENTED



PROGRAM OVERVIEW  
**GRADES K–5**



# A NEW SOLUTION FOR K–5 SCIENCE

## REIMAGINED/REINVENTED

Imagine a classroom where students ask questions, state claims, test their ideas, and find resolution through reasoning. With increased demand for science literacy in the workplace, it has become imperative to develop such innovators and problem solvers to fill critical, next generation career roles.

With built-in support and a transformed lesson structure, instructors will become facilitators who empower their students to learn through self-directed exploration, analysis, application, and explanation—in short, to think like scientists.

## INSPIRE THE NEXT GENERATION OF SCIENTISTS AND INNOVATORS.

**HMH Florida Science's** innovative print and digital curriculum encourages inquiry and scientific thinking in all students. This science program incorporates **multimodal learning**, support for STEM and 21st-century skills acquisition, and a vast set of unique and engaging online resources. **HMH Florida Science** can be accessed in the classroom or at home, on a laptop or tablet, or through the print write-in textbook. The digital and print pathways develop important **critical-thinking skills** that prepare students for success in future science courses and in the workplace.

- Promote active learning with investigation-driven activities.
- Build excitement for engineering and STEM.
- Build problem-solving skills with performance-based assessment.
- Engage students with motivating digital resources, including connections to Google® Expeditions.
- Create enduring understanding with integrated Three-Dimensional Learning.
- Develop effective scientific and engineering approaches with embedded professional support from HMH®.

DISCOVER WHAT MAKES **HMH FLORIDA SCIENCE** BEST IN CLASS!





# PROGRAM COMPONENTS

Each Grade for K–5 has its own Student Edition in **HMH Florida Science**. For your convenience, all the program resources for both the student and teacher are located online.

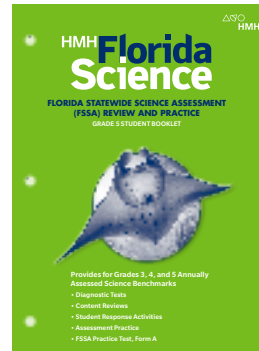
All resources available in both **English** and **Spanish**!



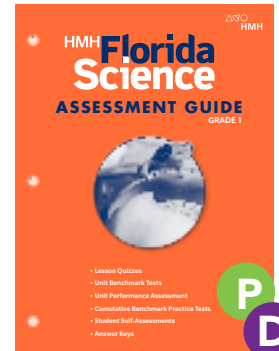
**Write-In Student Edition  
Interactive Worktext**



**Teacher Edition**



**FSSA Teacher/Student  
Assessment**



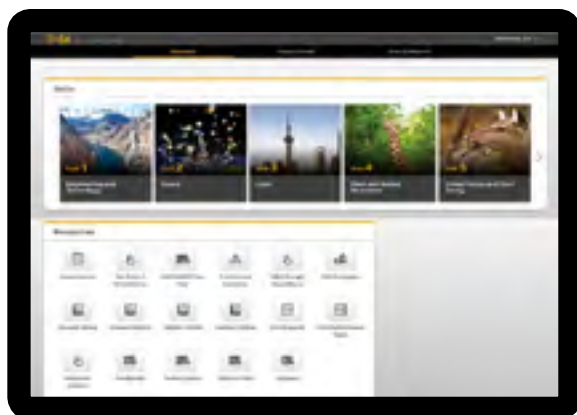
**Science and  
Engineering  
Leveled Readers**



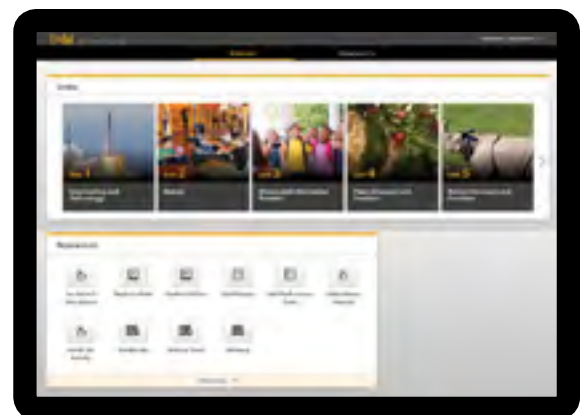
**ScienceSaurus  
Student  
Handbook**



**Grade-Level  
Equipment  
and Safety Kits**



**Teacher Online  
Management Center**



**Student Interactive  
Digital Curriculum**



# TOP FIVE REASONS TO CHOOSE

# HMH **Florida** Science

1

## HOW DO YOU SUPPORT LITERARY WHILE TEACHING SCIENCE?

The **HMH Florida Science** Write-in Worktext was designed from the ground up to strengthen students' literacy skills. Students are engaged with active reading and engaged with the content. Add the **ScienceSaurus®** Student Handbook's dynamic visuals and clear explanations of key scientific concepts to further build students' literacy and vocabulary abilities. In addition, the **NEW Science and Engineering Leveled Readers** provide support for learners on, above, and below grade-level reading.

**THE GOOD AND THE BAD OF IT**

A light bulb that can save you \$100 a year? What's the catch?

**Compact fluorescent lights (CFLs) and light emitting diodes (LEDs) use less energy than incandescent bulbs. However, CFLs contain mercury, which can be hazardous if the bulbs break open, and LEDs are more expensive than regular light bulbs.**

Technology is constantly changing. Anyone can invent or improve a technology product or process. It takes new ideas and knowledge for technology to change. The goal of any new technology is to better meet people's needs. However, new technology can also bring new risks. Changes in technology often involve making things safer, quicker, easier, or cheaper. For example, people once used candles and lanterns to light their homes.

These things helped people see at night, but they could also cause fires. Electricity and incandescent light bulbs helped solve this problem, but this technology also has its risks. We burn coal to generate electricity. When coal burns, harmful ash and gases are produced. The potential harm these substances can cause leads to negative feedback. Such feedback helps people think of ways to improve technology.

**DO THE MATH**  
Interpret a Table  
Use the data in the table to answer the questions below.

	60-Watt Equivalent CFL	60-Watt Equivalent Incandescent
Cost of bulb	\$3.00	\$1.50
Bulb life	2500 days (about 7 years)	500 days (about 1.4 years)
Energy cost per year	\$2.40	\$7.00
Total cost over 7 years	\$19.80	\$56.50

1. How much more is the total cost of incandescent bulbs than a CFL?

2. How much would your yearly energy cost be if you had 20 CFL bulbs in your home?

3. Which bulb lasts longer?

Engines can transport a lot of people at one time. However, they burn a lot of fuel and release pollution into the atmosphere. Engineers redesign airplanes to improve their performance.

Interactive Worktext

2

## ENGAGING TECHNOLOGY

Students naturally engage with well-designed educational technology. **HMH Florida Science's** innovative eLearning allows students to conduct **Virtual Labs**, complete **Video-Based Projects**, and reinforce concepts with unique **Digital Lessons**. With access to **Google Expeditions**, students can experience and explore virtual worlds to understand that science is all around them.

**Lab: Lizards in Terrestrial**

Day	Number of lizards
Day 1	
Day 2	
Day 3	
Day 4	

Observe. Now you're ready to observe what is happening in the terrarium.

Virtual Lab





Equipment Materials

### 3

## HOW HARD IS IT TO HAVE STUDENTS DO SCIENCE IN THE CLASSROOM?

Hands-On Activities are integrated into many of the lessons. Each activity uses **easily sourced materials**. Many activities, including the Hands-On Activities, contribute to a student's evidence gathering in each lesson. Students get to actively "do science"—they think critically about their observations, practice gathering evidence, and defend their claims. These activities are built with teachers' busy schedules in mind.

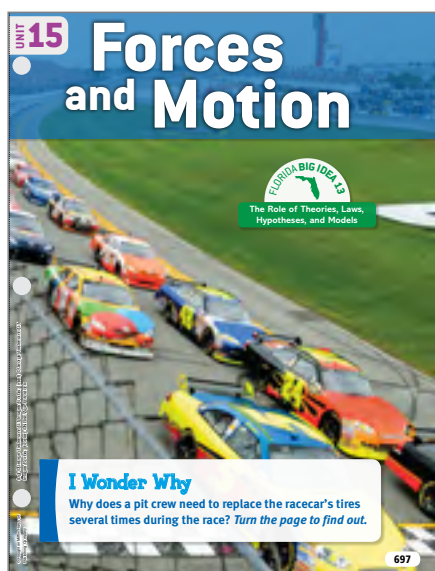


21st-Century Skills

### 4

## WHY DOES STEM MATTER?

Preparing students for Science in the real world: STEM lessons and labs, **People in Science**, **Careers in Science**, and the new **Technology and Coding** lessons all offer a multitude of touchpoints to develop 21<sup>st</sup>-century skills.



Unit Opener

### 5

## DISCREPANT PHENOMENA

Each Unit begins with "**I Wonder Why**" — a problem to solve or discrepant event to explain. This Unit-leading feature provides intrinsic motivation to spark curiosity and serves as the context for the learning and hands-on activities throughout the lessons. Students are motivated to think critically and construct explanations of how and why.

The program is built around active learning. At the Lesson level, an **Essential Question** starts students off. Rather than receive content passively, students are asked to solve problems or explain phenomena by stating claims, gathering evidence, and providing explanations through reasoning.



# STUDENT INTERACTIVE DIGITAL CURRICULUM

**HMH Florida Science** leverages the advantages of technology while prioritizing a student-centered learning model. Students can view videos and animations, interact with simulations and text, and enjoy Video-Based Projects as they are active participants in the learning process. All of these features help you maintain an integrated approach to learning science. Teachers can assign the lessons and resources to students, or use them on an interactive board for whole-class or small-group instruction.

## Deepen Understanding with Open-Ended Simulations

Unique **You Solve It!** simulations provide completely **open-ended** opportunities for students to demonstrate their ability to problem solve. The program encourages students to explore multiple answers to a problem and learn to develop explanations and defend their answers.



You Solve It!

## Explore Immersive Virtual Worlds with Google Expeditions

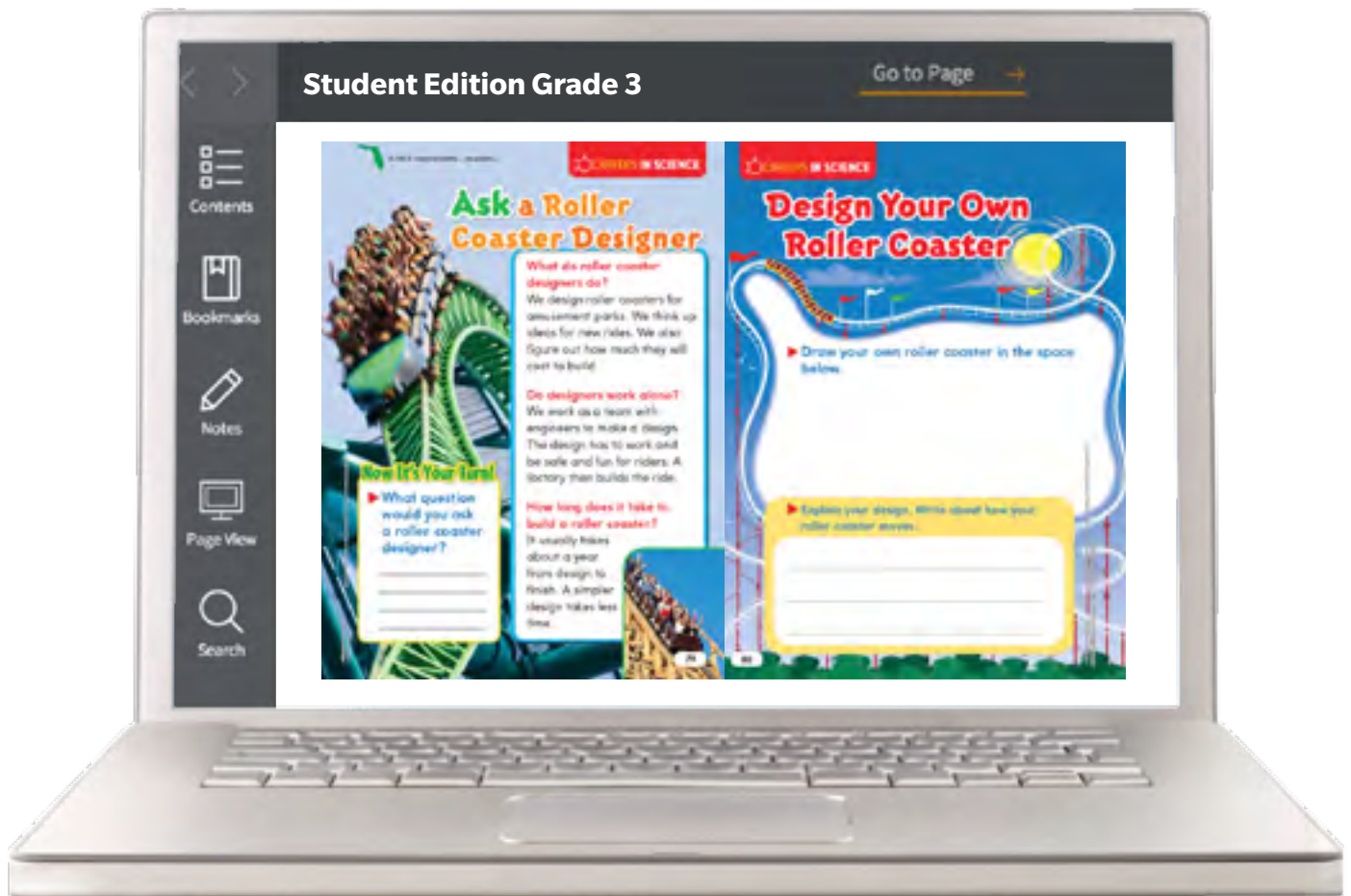
**HMH Field Trips for Google Expeditions** use a simple Google Cardboard™ device and a smartphone to sweep students away to 3D, 360-degree experiences in fascinating locations, directly tied to science content!

- An HMH Teacher Guide provides ideas for incorporating the Expeditions into your lessons, as well as tips on how to guide and customize the experience.
- Experience these **HMH Virtual Field Trips** with your students: Big Cypress National Preserve, Florida Everglades, Saturn V Rocket at NASA, Orange Blossom Cannonball Train, Kennedy Space Center, and more!

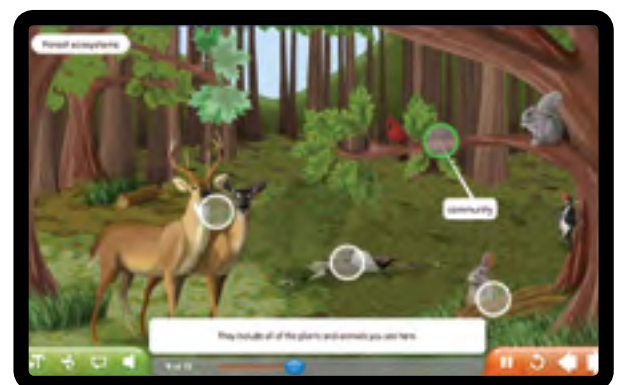




The **Online Student Edition** provides students with anytime access to the Student Edition. **HMH Florida Science** eBooks are based on the HTML standard so they can be accessed from any compatible platform or device.



**Digital Lessons** provide an alternative online experience. These **highly engaging** and **colorful** lessons teach the same content, vocabulary, and inquiry skills, but in a completely different way. **HMH Florida Science** supports the ability for students to bookmark their location in a lesson and return to that same point at a later time. In addition, students' work is saved between sessions. The **Digital Lesson Tracker** shows how much time students spent on each screen, their number of attempts, and the answers they selected, so teachers can identify areas where students need to improve.



Digital Lesson

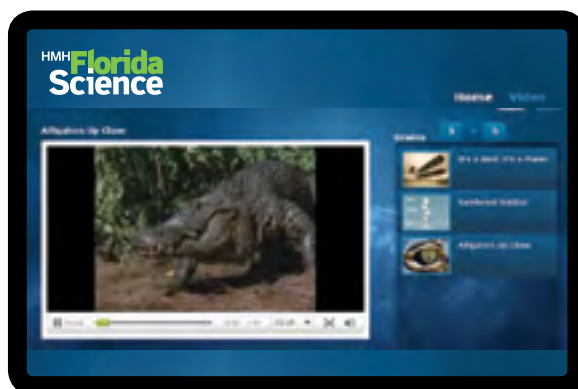


**Virtual Labs** review important concepts developed in the lessons and provide students with the opportunity to apply what they are learning in the digital lessons. Using simulated equipment, students are immersed in a scenario in which they collect data and draw conclusions following a rigorous scientific investigation process. Student progress can be tracked using the **Virtual Lab Data Sheets**, which can be saved and emailed or printed for assignment purposes.



Virtual Lab

**Video-Based Projects** (Grades 3–8) are **captivating inquiry-based projects** introduced by one of our authors, Dr. Michael Heithaus or Michael DiSpezio. With the help of a video, teacher support pages, and student activity worksheets, students solve problems or tackle engineering challenges. There are three to four for each grade level, focusing on **STEM**, **ecology**, and **biotechnology**.



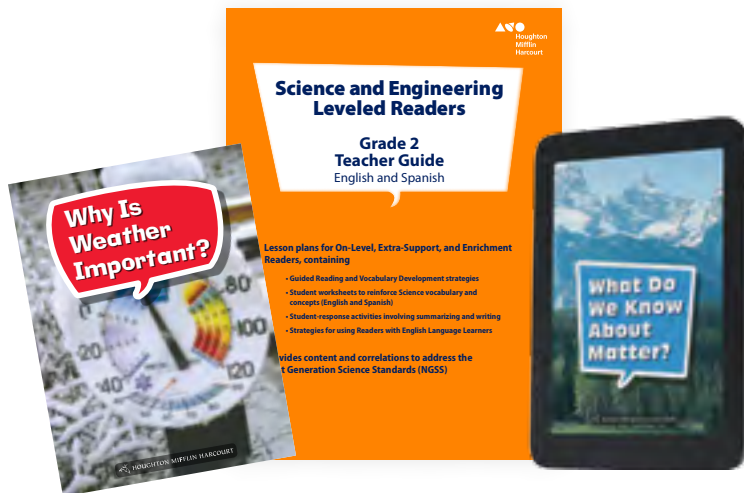
Video-Based Project

Online access to **ScienceSaurus** is included with **HMH Florida Science**. This convenient handbook covers Life, Earth, Physical, and Environmental Science, as well as Engineering and Technology. Clear explanations with dynamic visuals can be used for **presentation**, **review**, or **reinforcement** of science concepts. In addition, powerful personalization functions like highlighting, bookmarking, and searching are supported and saved.



ScienceSaurus Online Edition





Correlated to the Florida Science Standards

## Build Literacy and Science Content Knowledge

The program includes print and online access to **Science and Engineering Leveled Readers** for Grades K–5. These colorful, fun, and interesting Readers provide three levels of readability for students: **On-Level**, **Extra Support**, and **Enrichment**. The accompanying **Teacher Guide** provides activities and support for before reading, during reading, and during response to reading.

## These components are also available online, as part of the students' Interactive Digital Curriculum:

- **Interactive Glossary** provides program vocabulary and definitions with either visuals or video and audio.
- **Student Edition Audio** enables students to listen or download full audio of their textbook to their mobile devices.
- **Extra Support for Vocabulary and Concepts** (editable, digital-only worksheet resources) contain extra practice of lesson vocabulary and main ideas (Grades 1–5).



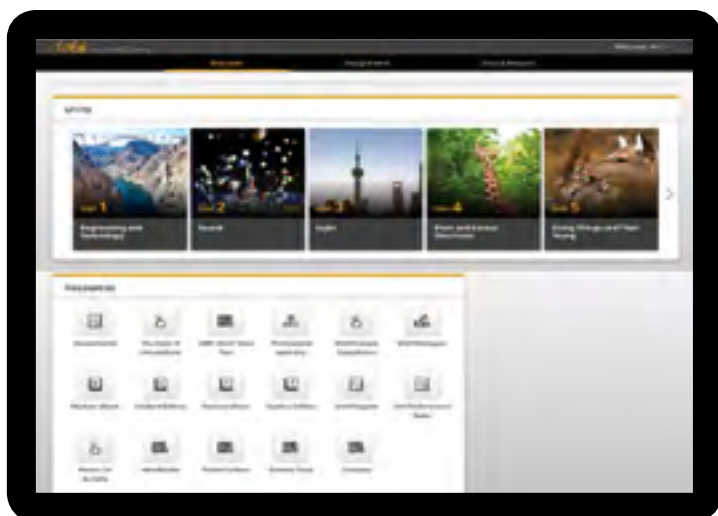
Interactive Glossary



# TEACHER ONLINE MANAGEMENT CENTER

The **Teacher Online Management Center** is designed to make it easier for you to access all of the program resources—for teacher and student—to assist in planning, teaching, assessing, and tracking student progress.

The **Teacher Online Management Center** incorporates **full access** to the Student Interactive Digital Curriculum, including the Student Edition, Student Edition Audio, Digital Lessons, Virtual Labs and Data Sheets, and Video-Based Projects.



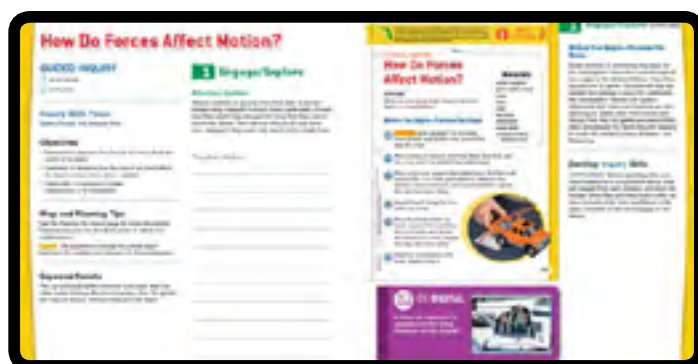
## The Teacher Online Management Center makes it easy to:

- Preview program resources
- Download editable resources to customize them for your classroom
- Assign and schedule resources online, so they will appear in your students' inboxes
- Automatically score quizzes and tests taken online
- Automatically provide individual remediation plans based on test results
- Easily monitor and track student progress, and provide remediation for students who need it

## These components are also available online, as part of the Teacher Online Management Center:

- **Google Expeditions Teacher Guide** offering ideas on ways to incorporate the virtual field trips into your lessons and guide the experience
- **Assessment Guide** PDF files including Cumulative Tests A, B, and C with Answer Keys, Unit Tests and Answer Keys, and Lesson Quizzes and Answer Keys; also available in Spanish
- **Florida Access Points** The **HMH Florida Science** Access Points Activities provides activities to support every Access Point.
- **Professional Development Videos** focusing on the science and Engineering Practices
- **Lesson Differentiated Instruction** offering extra support for vocabulary and concepts worksheets
- **ScienceSaurus** in the Interactive Online Edition
- **Science and Engineering Leveled Readers** offering a complete grade-level library; can be scheduled and assigned
- **Teacher Resource Bank** including a Teacher Guide for leveled readers, science fair support, rubrics, graphic organizers, school-home letters, and more
- **Online Coding Practice** Scratch and Scratch Jr., students code and animate characters, create and play games
- **Home School Connection** parent support for learning science content

The **Interactive Online Teacher Edition** provides teachers with anytime access to their print TE. Teachers can easily navigate using the Table of Contents and Bookmarks. In addition, powerful personalization functions like note-taking, highlighting, bookmarking, and searching are supported and saved.





What Are Some Landforms?

Screen	Number of Views	Time on Screen	Number of Attempts
1. Welcome	1	01 : 50	N/A
2. Essential question	1	01 : 15	N/A
3. Protecting special landforms	1	00 : 23	N/A
4. Layers of Earth	1	01 : 47	N/A
5. Valleys and canyons	1	01 : 58	N/A
6. What's the difference?	1	00 : 27	5
7. How mountains and hills form	1	27 : 21	N/A
8. Plains and plateaus	1	02 : 18	N/A
9. Which is a hill?	1	01 : 31	2
10. Recognizing landforms	1	00 : 18	4
11. Landforms on Earth	1	00 : 11	4
12. Essential question review	1	03 : 55	N/A

Digital Lesson Tracker

The Teacher View of Digital Lessons includes a **Digital Lesson Tracker with Answers** that shows answers to the digital lesson interactivities. **Digital Lesson Formative Assessment** provides additional teacher questions and answers that can be used for **individual** or **whole-class instruction** using the digital lesson.

**Online Assessment** contain extra editable assessment items. You can **customize** an assessment by adding or deleting items, revising difficulty levels, changing formats, revising sequence, and editing items. Students can take customized quizzes and tests directly online.

**Cumulative Assessment B**

Science Not all assessments may be printed

Questions Question Type Points

Section 1 - Default section name

1 Multiple Choice 1

Scientists always develop a plan when they try to learn something about our natural world. Which sequence correctly shows the steps scientists follow in their plan?

A. → make observations → develop an idea → obtain evidence → suggest an explanation →

B. → obtain evidence → suggest an explanation → develop an idea → make observations

Cumulative Assessments

**Grade-level Cumulative Assessments** (Tests A, B, and C, plus the Answer Keys), **Unit Tests** (and Answer Keys), **Lesson Formative Assessment**, and **Lesson Quizzes** are available in both English and Spanish.

Assessments are assignable and editable with individual and whole-class reporting and **automated grading** and **remediation** tied to test questions. Each Online Assessment item in Grades K and 1 also has audio. Many of these same assessments are available as PDF files or in the printed **Assessment Guide**.

Open Inquiry

Teacher Page

### About Open Inquiry

With Open Inquiry, students can develop their own questions and design, plan, and carry out their own investigations. During Open Inquiry, students engage in critical and creative thinking, use essential science practices, and prepare for the independent investigations they will be doing in 5<sup>th</sup> grade science. The steps in Open Inquiry are shown here in the form of a checklist that can be useful in developing student lab reports and other independent research. Details about each step are described for students on the pages that follow.

#### Open Inquiry Checklist

- Define a problem.
- Use appropriate reference materials.
- Use systematic observations.
- Use experiments.
- Identify variables.
- Plan an investigation.
- Collect and organize data.
- Analyze information.
- Make predictions.
- Defend conclusions.



**Open Inquiry Worksheets** (Grades 4–5) provide strategies and assessment to support open-ended investigations. These are ideal for creating scientific thinkers in everyone or to challenge students who find traditional activities boring.



# STUDENT PRINT RESOURCES

INSPIRE  
LITERACY!

**HMH Florida Science** print resources engage students in exciting, inquiry-based learning at every point of instruction. The effective, research-based program is **easy to implement, fun to teach, and enjoyable for students** to use. The program's innovative approach to print resources encourages students to become active participants in their own learning and encourages development of scientific and reading literacy. For teachers' ease of use, all of the program's student print resources are located online at point of use.

**The Interactive Student Edition Worktext** has a **magazine-style layout** that matches the way today's students learn best—by actively engaging with the content they're reading. Students can write their ideas, answer questions, make notes, complete drawings, and record their observations right on the page.



## SCIENCE IN THE FLORIDA CLASSROOM: REIMAGINED AND REINVENTED BY THE EXPERTS!

**Marjorie Frank** has authored and designed a generation of instructional materials in all subject areas, including past HMH Science programs. In addition, she has served on the adjunct faculty of Hunter, Manhattan, and Brooklyn Colleges, teaching courses in science methods, literacy, and writing. For **HMH Florida Science**, she has guided the development of our approach to making connections between Science and ELA/literacy standards.

### Notebooking

Many of the lessons in **HMH Florida Science** support the use of Evidence Notebooks. Helpful prompts have been inserted throughout the lessons to guide students on when to use these notebooks. Students will love creating their own study guides that can be taken into the next grade, and teachers will love the extra writing practice!

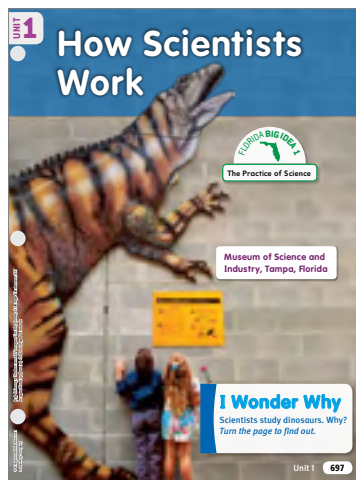
#### Claims • Evidence • Reasoning

1. Interpret your data. Write a claim about how an object's mass is related to its change in motion when acted on by a force.



#### Claims • Evidence • Reasoning

Throughout the lessons, **HMH Florida Science** encourages students to reflect on the evidence they gathered. They have another chance to respond to the discrepant phenomenon or central question of the lesson with open-ended response questions.



### Each Unit is designed to:

- Focus on a **Big Idea** and supporting **Essential Questions**
- Incorporate graphic organizers where students summarize and organize their science ideas
- Promote active reading with features to teach students how to analyze and interact with content



The **Write-In Interactive Student Edition Worktext** promotes a student-centered approach for learning science concepts and vocabulary, building inquiry, STEM, and 21<sup>st</sup>-century skills, incorporating math and writing into each science lesson.

## 21<sup>st</sup>-Century Skills

Every Grade 1–5 Unit features a STEM lesson that focuses on a scaffolded approach to building **engineering and design skills** and practice of those skills in every subsequent Unit. In each Unit you will also find **People and Careers in Science & Engineering**.

These features show students the real-world applications of what they're learning and pique their interest in science-based careers.



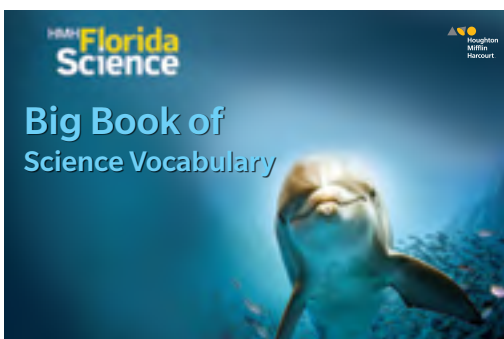
An important component of many **21<sup>st</sup>-century careers** is the meaningful understanding of the foundations of technology, engineering, and computer coding. A **NEW** lesson on **Technology and Coding** has been added to each grade to address this need. In addition, accompanying digital coding lessons are also available online. Kindergarten has a **NEW Technology and Engineering** section.



## FOR KINDERGARTEN

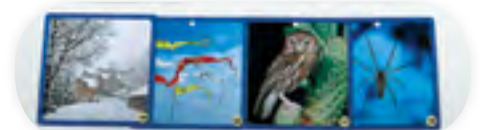


The **Kindergarten Inquiry Flipcharts** deliver three levels of hands-on inquiry for every lesson—directed, guided, and independent. These sturdy flipcharts can be placed on a table for centers so students can work as lab partners or in collaborative groups.



The **Kindergarten Big Book of Science Vocabulary** includes carefully selected photographs that illustrate science vocabulary and provide springboards for language and concept development.

**Picture Sorting Cards** are colorful cards that reinforce key concepts such as plants and animals, living and nonliving things, day and night. These can be used with a variety of activities in the Unit. Point-of-use references for using the cards are included in the Teacher Edition.





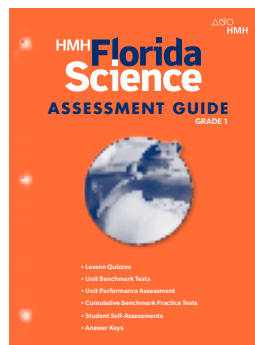
# TEACHER PRINT RESOURCES

DESIGNED  
FOR EASE  
OF USE!

**HMH Florida Science's Teacher Editions** are designed with elementary teachers in mind. **HMH Florida Science** Teacher Edition single volumes make it easier for teachers to manage. All the resources you need are right at point of use for each content and inquiry lesson.

## Teacher support for each lesson that follows the 5 Es model:

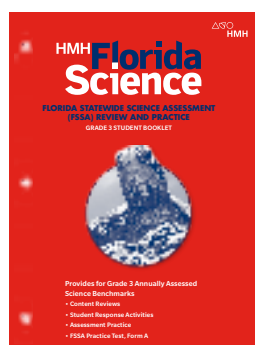
- **Engage** and **Explore** includes Activities, Discussions, and Demos
- **Explain** includes Science Notebooking, Differentiated Instruction options, Lesson Vocabulary, Concept Development, and Interpreting Visuals
- **Extend** and **Evaluate** includes Answer Strategies, Make Connections, Take It Home! activities, and assessment
- **Science Notebooking** strategies focusing on vocabulary, inquiry, and assessment
- Enduring Understandings strategies to help students revisit lesson **Essential Questions** and develop mastery of the **Unit Big Idea**
- **Differentiated Instruction** strategies in every lesson to provide resources for meeting the needs of all students



**HMH Florida Science** formative and summative assessment options give you maximum flexibility in assessing what your students know and what they can do.

The **Assessment Guide** includes a comprehensive overview of your assessment options and includes:

- Lesson Quizzes
- Unit Tests
- Unit Performance Assessment
- Cumulative Tests
- Student Self-Assessments
- Answer Keys



The **Florida Statewide Science Assessment (FSSA) Review and Practice** provides content review for annual assessment standards at Grades 3, 4, and 5, with student response activities.

Grade 4 reviews standards from both Grades 3 and 4, while the Grade 5 **Florida Statewide Science Assessment Review and Practice Guide** reviews annually assessed benchmarks from Grades 3, 4, and 5 and diagnostic tests.



## The Teacher Edition also includes:

- Program Scope and Sequence and Pacing Guide
- Professional Development articles
- Unit Planning, with Response to Intervention strategies
- Correlations to the English Language Arts and Math standards and **ScienceSaurus**
- Grade-Level Materials List



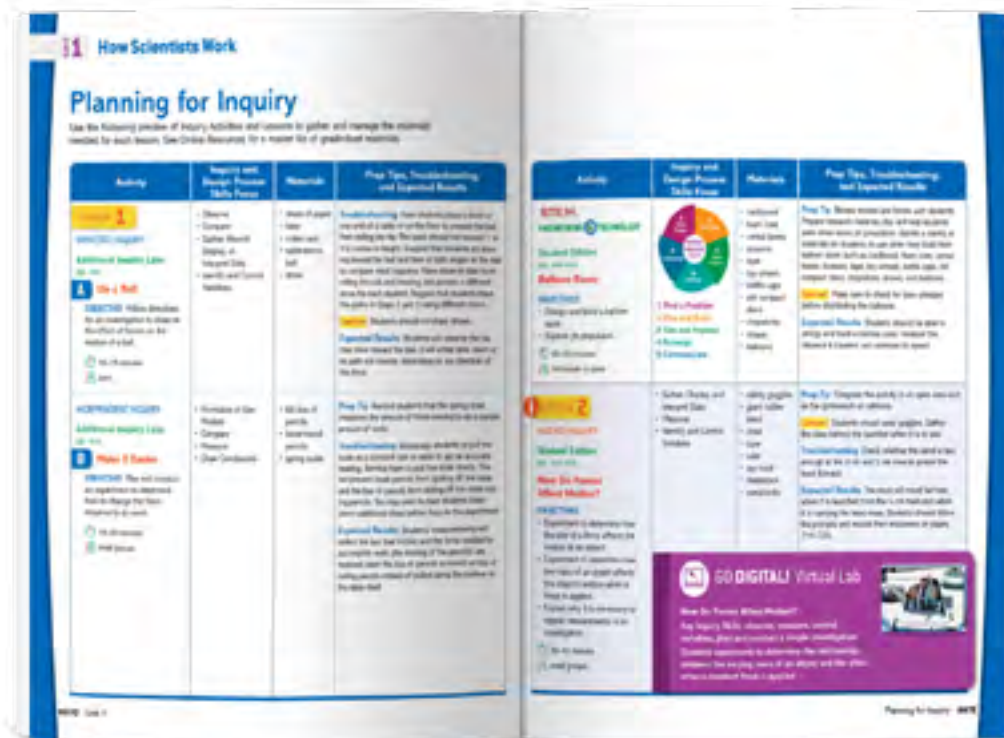
# The Teacher Edition includes all of the following features to enhance your instruction!



**Strategies** for helping students build and develop conceptual, vocabulary, and inquiry skills in every lesson are supplemented with Professional Development resources.

**Make Connections** features provide strategies for connecting science to other curricular areas, like math, art, writing, and social studies.

**Planning for Inquiry** pages make it easy for teachers to plan and prep for all activities in the program.



## English Language Learners

### Use Words for Body Parts

Write these body parts on the board: **eyes, nose, ears, mouth, and hands**. Frame the word eyes, read it aloud, and point to your eyes. Have children say the word as they gesture the same way.

Repeat with each body part. Next, say the words in random order and have children point to the correct body part. Finally, point to each body part and have children name it.

**English Language Learners** strategies are included in every unit.

## Misconception Alert

Many children may think that sight is the only important sense to use when making observations. Point out that when scientists observe, they try to use many senses because each sense provides different information. Emphasize, however, how important it is not to smell or taste in science class since many things are not safe to inhale, taste, or eat.

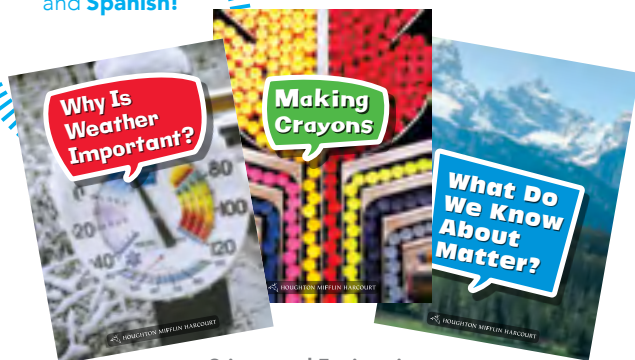
**Misconception Alerts** help teachers identify common student questions and challenges.



# MULTI-TIERED SYSTEM OF SUPPORTS – RESPONSE TO INTERVENTION

**HMH Florida Science's Multi-Tiered System of Supports – Response to Intervention** provides multiple levels of support for all learners (struggling through advanced) AND for teachers and other support staff who are delivering the instruction.

Available in  
both **English**  
and **Spanish**!



Science and Engineering  
Leveled Readers

## Science and Engineering Leveled Readers

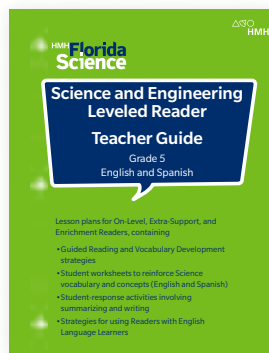
reinforce, enrich, and extend unit concepts. The leveled readers deliver **three levels of readability** for each concept at each grade. Online leveled readers are included with **HMH Florida Science**, and a complete set of print leveled readers is available with the Premium package. Also available via the **HMH Readers** app.

**On-Level Readers** introduce key concepts and vocabulary related to a science or engineering topic. **Extra-Support Readers** share a title, illustrations, vocabulary, and concepts with the On-Level Reader, but at a below-grade reading level and with additional comprehension aids.

## MTSS-RTI Multi-Tiered System of Supports – Response to Intervention

Multi-Tiered System of Supports – Response to Intervention is a process for identifying and supporting students who are not making expected progress toward essential learning goals.

The following components have the flexibility to be used to provide Core Classroom Interventions (Tier 1), Strategic Interventions (Tier 2), and Intensive Interventions (Tier 3).		
Component	Location	Strategies and Benefits
Student Edition, Active Reading prompts (Sum It Up, Brain Check)	Active Reading throughout each lesson, Sum It Up and Brain Check at the end of each lesson	Student responses can be used as screening tools to assess whether intervention is needed.
Assessment (Quick Lesson Quizzes)	At the end of each lesson	Student responses can be used as screening tools to assess whether intervention is needed.
Teacher Edition, Unit Review Answer Strategies	Unit Review Answer Strategies	Suggestions for intervention, guidance, and reflection for each review question.
Leveled Readers	LE & SECH	Content support for students not making the learning progress during core classroom instruction.
Leveled Readers Teacher Guides	LE & SECH	Direct instruction with small groups of students needing additional content at various readability levels.
Extra Support for Vocabulary and Concepts (online worksheets)	Online Resources	Support for individualized instruction with practice at essential content.
Online Student Edition with Audio	Online Resources	Strategic learners with multiple-modality access to science concepts and information.
Interactive (Digital Lessons and Virtual Labs)	Online Resources	Provide individualized learning experiences. Lessons make content accessible through animations, interactive videos, audio, and integrated assessment.



Leveled Reader Teacher Guide

## Florida Access Points

provide reduced levels of complexity: participatory, supported, and independent. The HMH Florida Science Florida Access Points Activities component provides activities to support every Access Point.

The **Leveled Reader Teacher Guide** includes hands-on and written-response activities for each Reader. The guide provides **teaching strategies** and **reproducible worksheets** in both English and Spanish. The Teacher Guide also includes a correlation to Florida Science State Standards.\*



ScienceSaurus

**ScienceSaurus** hardcover or softcover print handbooks are a delightful way to present, review, or reinforce science content. Essential scientific concepts and vocabulary are organized in an **encyclopedic format**. Clear explanations with dynamic visuals help students master key science ideas. Online access to **ScienceSaurus** is included with **HMH Florida Science**, and print copies are included with certain packages.



# PROFESSIONAL LEARNING

OUR MISSION  
IS TO ADVANCE  
YOURS

Students aren't the only ones learning in the classroom. Our best-in-class **HMH Florida Science** curriculum is supported by professional learning, so that every teacher is ready to make sense of science. When you choose **HMH Florida Science**, teachers receive not only a comprehensive, research-based program, but also quality professional learning, all from one trusted source.

Our comprehensive Professional Learning modules are focused on helping you effectively prepare students to master the new science classroom and are delivered by master educators from the International Center for Leadership in Education (ICLE).

International Center for  
Leadership in Education  
MODULUS LEARNING FOR ALL STUDENTS

## Extend your learning with the following modules:

- Creating an Effective Science Environment—learn how to establish an effective and safe classroom environment, plan effective lab experiments, and differentiate science instruction.
- Mastery of Science Information—understand the importance of questioning and learn how to utilize nonlinguistic representation.
- Problem Solving in Science—learn how to implement strategies and creative challenges, engage students in discrepant events, and leave with a ready-to-implement action plan.
- Science Literacy: Integrating the CC ELA—learn strategies for integrating reading, writing, language, speaking and listening in science and technical subjects.
- Combine two of the modules above for a full day of professional learning.

## Professional learning for HMH Florida Science educators includes:

### A Strong Start

The **Getting Started with HMH Florida Science Course** provides you with an overview of the program from both a teacher's and student's perspective.

### Deepen Mastery

To accelerate your learning from the **Getting Started Course, Follow-Up Courses** focus on planning, monitoring student progress, supporting English learners, and assessment.

### Coaching

Our **Team** and **Individual Coaching** will ensure you are confident and prepared to deliver instruction that addresses the needs of the changing science classroom. HMH Coaches work side by side with you, supporting student engagement, differentiated support, science literacy, literacy across the curriculum, 21<sup>st</sup>-century skills and STEM applications.

### Need More Help?

When implementing **HMH Florida Science**, you may have questions regarding instruction, pedagogy, and best practices. **AskHMH™** provides access to program experts who can support you.

[hnhco.com/professionalservices](http://hnhco.com/professionalservices)

Getting  
Started  
is included  
with  
Purchase!



# STUDENT COMPONENTS

Traditional science programs repeat the same content across multiple formats, but with **HMH Florida Science** you get two full curriculums—digital and print lessons—each with unique content, providing multiple exposures to science concepts and skills in English and Spanish.

Two parallel and unique curriculums in one comprehensive program!

The interactive, multimodal learning model truly sets **HMH Florida Science** apart—it's easier to teach and reinforce concepts, to promote deeper understanding, and to reach all learners in their unique learning styles.

	PRINT	DIGITAL
<b>Write-In Student Edition Interactive Worktext</b> <ul style="list-style-type: none"> <li>• Visual Literacy</li> <li>• Magazine Format</li> <li>• Big Ideas and Essential Questions</li> <li>• STEM Lessons</li> <li>• Scaffolding</li> <li>• Graphic Organizers</li> <li>• Labs</li> </ul>	Y	Y
<b>Florida Statewide Science Assessment (FSSA) Review and Practice Student Booklet (Grades 3–5)</b>	Y	Y
<b>Student Interactive Digital Curriculum</b> <ul style="list-style-type: none"> <li>• Digital Lessons</li> <li>• Virtual Labs with Data Sheets</li> <li>• Performance Based Assessment</li> <li>• Video-Based Projects (Grades 3–5)</li> <li>• Interactive Glossary</li> <li>• Interactive Online Student Edition with Audio</li> <li>• Extra Support for Vocabulary and Concepts</li> <li>• You Solve It! Simulations</li> <li>• Additional Inquiry Labs</li> </ul>		Y
<b>Science and Engineering Leveled Readers</b> <ul style="list-style-type: none"> <li>• On-Level, Extra Support, and Enrichment</li> </ul>	Y	Y
 Google Expeditions		Y
<b>ScienceSaurus</b>	Y	Y
<b>Big Book of Vocabulary, Picture Sorting Cards, Big Book Inquiry Flipchart</b> (For Kindergarten only)	Y	Y



# TEACHER COMPONENTS

	PRINT	DIGITAL
<b>Teacher Edition</b> <ul style="list-style-type: none"> <li>• 5E Lesson Format</li> <li>• Build Inquiry and STEM Skills</li> <li>• Build Science Vocabulary</li> <li>• Science Notebooking Strategies</li> <li>• Claims–Evidence–Reasoning</li> <li>• Planning for Inquiry</li> <li>• Professional Development</li> <li>• MTSS-RtI, English Language Learners, and Differentiated Instruction support</li> <li>• Misconception Alerts</li> <li>• Making Connections</li> </ul>	Y	Y
<b>Florida Statewide Science Assessment (FSSA) Review and Practice Teacher Guide (Grades 3–5)</b>	Y	Y
<b>Science and Engineering Leveled Readers Teacher Guide</b>	Y	Y
<b>Assessment Guide</b> <ul style="list-style-type: none"> <li>• Lesson Quizzes</li> <li>• Unit Tests</li> <li>• Unit Performance Assessment</li> <li>• Cumulative Tests</li> <li>• Student Self-Assessments</li> <li>• Answer Keys</li> </ul>	Y	Y
<b>Teacher Online Management Center</b> <ul style="list-style-type: none"> <li>• Interactive Online Teacher Edition</li> <li>• Full access to Student Interactive Digital Curriculum</li> <li>• Grade-Level Cumulative Assessments and Unit Tests</li> <li>• Open Inquiry Worksheets (Grades 4–5)</li> <li>• Professional Development Videos</li> <li>• Teacher View of Digital Lessons and Digital Lesson Tracker with Answers</li> <li>• Florida Access Points</li> <li>• Lesson Formative Assessment and Quizzes</li> <li>• Performance Based Assessment</li> <li>• Extra support for vocabulary and concepts worksheets</li> <li>• Video Based Projects Teacher Guide</li> <li>• Teacher Guide for Google Expeditions</li> <li>• School-Home Connection</li> <li>• Online Coding Practice</li> <li>• ScienceSaurus</li> <li>• You Solve It!</li> </ul>		Y



# HMH **Florida** Science

A NEW SOLUTION  
FOR K–5 SCIENCE  
**REIMAGINED/REINVENTED**

For additional information and access  
to the online resources please contact  
your local Account Executive.

[hmhco.force.com/relocator](http://hmhco.force.com/relocator)

**Connect with us:**



NSTA® is a registered trademark of the National Science Teachers Association. SciLINKS® is a registered trademark of the National Science Teachers Association. Google Cardboard and Google are trademarks or registered trademarks of Google Inc. ExamView® is a registered trademark of Turning Technologies, LLC. PowerNotes® is a registered trademark of HMH Publishers, LLC. ScienceSaurus®, HMH®, AskHMH™, and Houghton Mifflin Harcourt® are trademarks or registered trademarks of Houghton Mifflin Harcourt. © Houghton Mifflin Harcourt. All rights reserved. Printed in the U.S.A. 06/17 Pro-WF149965

**[hmhco.com](http://hmhco.com) • 800.225.5425**



[hmhco.com/FLscience](http://hmhco.com/FLscience)