

# 

Simple • Connected • Inspiring

#### **Get Ready to Be Inspired!**

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





GRADES K-5







## InspireScience



## Get Ready to Be Inspired!

Learning begins with curiosity. *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. *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.

Hi, my name is Chloe. I am one of the twenty six *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.



Get more out of science time through built-in literacy and math connections.



Prepare students for a future full of STEM opportunities.



See a video of Chloe and the other STEM Career Kids at Inspire-Science.com/career\_kids



### **User-Friendly Lesson Structure**

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.





Disciplinary Core Ideas

PS3.A Definitions of Energy

**Crosscutting Concepts** 

**Energy and Matter** 

.. Science and Engineering Practices

Constructing Explanations and Designing Solutions



## Key Steps to Three Dimensional Instruction



#### **ASSESS LESSON READINESS**

#### **ENGAGE**

#### **EXPLORE**



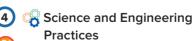
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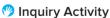
EQuIP Rubric
Aligned! Review
the Inspire Science
EQuIP Rubric at
Inspire-Science.com













**Learning Progression** 

## **☑** Simple



**Approximate Pacing** 

(based on 45-minute teaching blocks)

Module = 1 month of instruction

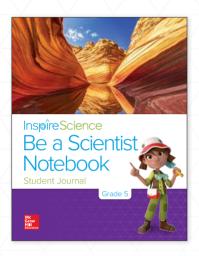
Lesson = 8-10 days of instruction

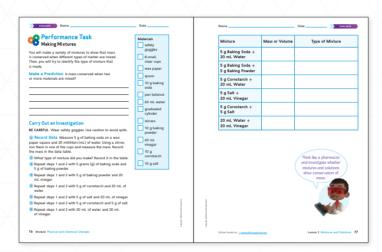
Fast Track = 4-6 days of instruction

## User-Friendly Inquiries and Investigations

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.



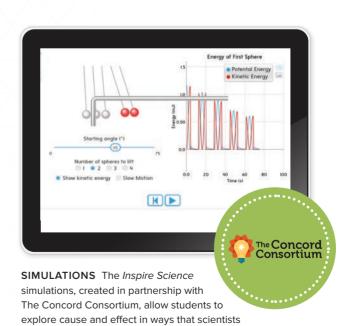




HANDS-ON LEARNING



GAME-BASED LEARNING Filament Games creates digital learning games and interactives designed to foster 21st-century skills through experiential learning. *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.



and engineers do in real life and enable them to model

concepts otherwise not possible to explore in the classroom.

## **User-Friendly Support**

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!







#### PROFESSIONAL DEVELOPMENT

- · Quick Start
- Implementation
- · Administrator Support Videos
- · Mastery Online Courses





#### DINAH ZIKE, M.ED. VKV® AND FOLDABLES®

- · Classroom Models
- Coaching
- · Demonstration Videos







#### PAGE KEELEY, M.ED. **FORMATIVE ASSESSMENT PROBES**

- · Classroom Models
- Coaching
- Teaching Techniques for Science Probes





## InspireScience

## 3D Learning

Inspire Science integrates Science and Engineering Practices, Disciplinary Core Ideas, and Crosscutting Concepts with literacy and mathematics standards so teaching science feels as natural and intuitive as it should be.







## Disciplinary Core Ideas

#### THE CONTENT IN FOCUS

(for example, "The Universe and Its Stars")



## Science and Engineering Practices

#### THE SKILLS

(for example, "Developing and Using Models")



## **Crosscutting Concepts**

#### THE COMMON THEMES

(for example, "System and System Models")

## **Connected**





## STUDENTS APPLY AND DEMONSTRATE THEIR UNDERSTANDING

Students apply and demonstrate their understanding by using the Disciplinary Core Ideas, the Science and Engineering Practices and the Crosscutting Concepts together. (for example, "Use observations of the sun, moon, and stars to describe patterns that can be predicted.")

#### **Cross-Curricular Connections**



ALL GREAT SCIENTISTS AND ENGINEERS NEED STRONG LITERACY AND MATH SKILLS.

The *Inspire Science* lessons include cross-curricular connections with quick and easy references to the specific literacy and math skills being reinforced through the science investigations.



#### Not using Next Generation Science Standards\*? *Inspire Science* is still for you.

Inspire Science is built for Next Generation Science Standards, with the added bonus of literacy and math integration. Whether your state has adopted the Next Generation Science Standards or not, science standards everywhere are shifting to include more hands-on, problem-solving lessons, greater integration with other disciplines, and a higher demand for new, innovative science education programs. That's where Inspire Science can help.

\*Next Generation Science Standards is a registered trademark of Achieve. Neither Achieve nor the lead states and partners that developed the Next Generation Science Standards were involved in the production of or endorse this product.

#### **Cross-Curricular Connections**

*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.

- · Asking Questions and Defining Problems
- · Developing and Using Models
- · Planning and Carrying Out Investigations
- · Analyzing and Interpreting Data
- · Using Mathematics and Computational Thinking
- Constructing Explanations and Designing Solutions
- · Engaging in Argument from Evidence
- Obtaining, Evaluating, and Communicating Information



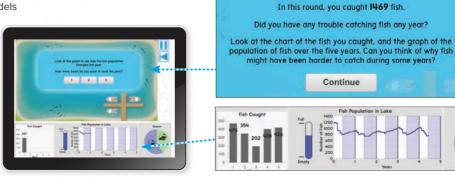




#### **Math Practices**

Students solve science and engineering challenges using math skills including:

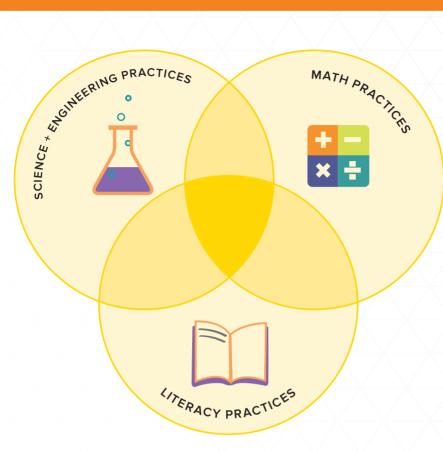
- · Analyzing and Interpreting Data
- · Using Mathematics and Computational Thinking
- Developing and Using Models
- Obtaining, Evaluating, and Communicating Information



Five years are over!

**SIMULATIONS** 

## □ Connected





Hi, I'm Antonio and I'm one of the **STEM**Career Kids! We'll lead your students through

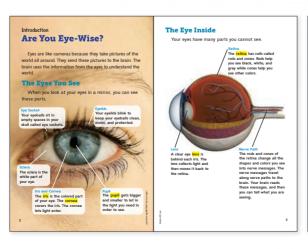
Inspire Science!



#### **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







#### LEVELED READERS

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

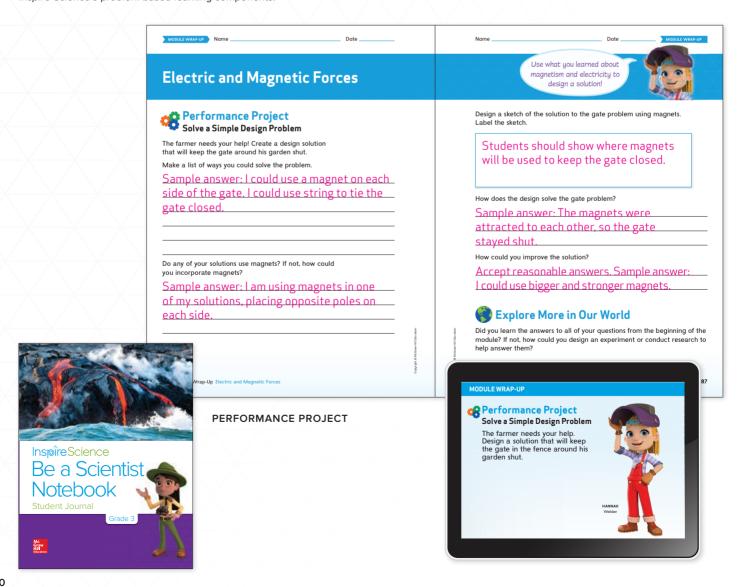
### Preparing the Next Generation of Innovators

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. *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 *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**

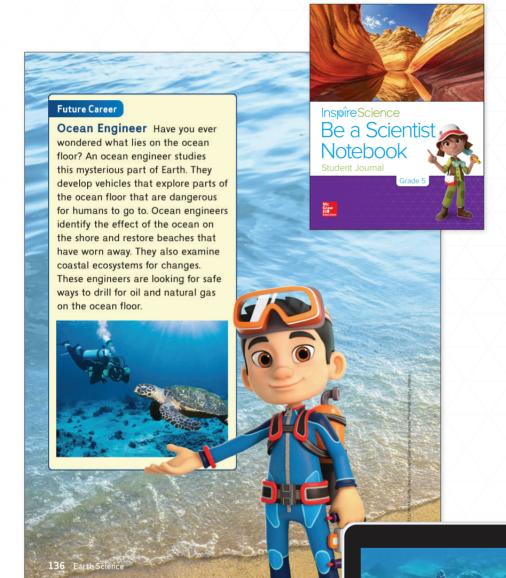
Empower students to develop critical-thinking through Inspire Science's problem-based learning components.



## A Inspiring



#### **Career-Based Learning**



Watch STEM
Career Kid Videos at
Inspire-Science.com/
career\_kids



INSPIRE CURIOSITY WITH THE STEM CAREER KIDS





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

Interactive Whiteboard and Mobile Friendly



**DIGITAL** 

















INTERACTIVES



SCIENCE SONGS



**⊕** GAMES



eASSESSMENT



VIDEOS







DINAH ZIKE, M.ED.
VIDEO LIBRARY



INSPIRE SCIENCE INVESTIGATOR







## Components Overview





#### **DIGITAL AND PHYSICAL**

#### **TEACHER'S EDITION**

(Grades K-5)



#### BE A SCIENTIST NOTEBOOK

(Grades K-5)



#### LEVELED READERS

(Grades K–5) Available in Spanish



#### **SCIENCE PAIRED READ ALOUDS**

(Grades K–2) Available in Spanish



#### **SCIENCE HANDBOOK**

(Grades K–5) Available in Spanish



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



**GRACE**Computer Programmer

## Inspire Science

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For a 30-day digital trial, visit Inspire-Science.com

