## **Start Your Review Here**



## Inspire Characteristics Explore Our Phenomenal World

## Welcome to the *Inspire Science* High School Sampling Experience

Follow these four simple steps to explore the **print** and **digital resources** designed to inspire you and your future innovators.



### CHECK IT OFF

Make sure to see these inspiring features throughout your review!

## **1** Explore the Program Guide

Get to know the *Inspire Science* High School series program philosophy and resources using the **Program Guide**.

#### Resources At-A-Glance

**Pages 4–5** give you a big-picture view of the print and digital resources that come with the *Inspire Science* High School series.

#### Scope and Sequence

Turn to **page 6–7** and **9–10** to see what you'll be teaching in each unit, module, and lesson.

#### □ Three-Course Model Support

**Pages 8–9** show how the *Inspire Science* High School series meets your three-course needs by incorporating and highlighting the nature of Earth and Space Sciences within each high school program.



Driving Question Board and Summary Table Turn to pages 16–17 to learn about how students can utilize the Driving Question Board and Summary Table to ensure success and take charge of their learning.



Inspire ALL Students



The Unit, Module, and Lesson Design On pages 12–13, see an overview of the unit, module, and lesson design, and turn to page 35 for a walkthrough of one sample module.

#### □ Key Shifts for NGSS Success

Turn to **page 14–15** of the Program Guide to learn about how the *Inspire Science* High School series will help you smoothly transition to Next Generation Science Standards (NGSS).

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 Phenomena-Driven, Inquiry-Based, Hands-On Learning

**Pages 22–23** show how each *Inspire Science* High School series unit and module are driven by real-world phenomena, investigated through an inquiry-based, hands-on approach.

Next Generation Assessment Strategies

Turn to **pages 26–27** to learn about the wide range of formative and summative assessment tools to help guide students to mastery of the performance expectations.



## Explore the Student Edition

Get to know the Inspire Chemistry student experience by reviewing the Student Edition.

#### Unit Opener

In your Student Edition, each unit begins with a Unit Opener to engage students, with a phenomenon-driven approach, and encourage collaborative thinking. Take a look at **pages 44–45**.



#### Module and Lesson Opener

Each Module Opener introduces an anchoring phenomenon that you will explore throughout the module and will help uncover your students' initial ideas. Each Lesson Opener creates a foundation for them to see how their thinking evolves as they progress through each module and lesson. Take a look at **pages 46–47 and 48**.



#### STEM Unit Projects

At the beginning of each unit, your students will see the opportunity to start the STEM Unit Project. Each project guides your students to go online and use the Science Probe, Project Planner, and Project Rubric to complete their projects. Take a look at **page 45**.

#### Encounter the Phenomenon

At the beginning of each module, students are encouraged to **Encounter the Phenomenon** through the Claim, Evidence, and Reasoning (CER) Framework, along with a Launch Lab to further investigate and deepen understanding. Take a look at **pages 44 and 46**.



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At the end of each lesson, students are guided to go online and follow a personalized learning path to review, practice, and reinforce their understanding by utilizing *LearnSmart*<sup>®</sup> powered by *SmartBook*<sup>®</sup>.

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## **3** Explore the Teacher's Edition

Get to know the *Inspire Chemistry* teacher experience by reviewing the **Teacher's Edition**.

#### Discussion Board

A Driving Question Board (DQB) is a great way to foster inquiry in the classroom and encourage students to take charge of their learning. Students will ask and answer questions throughout the unit, module, and lesson that support the unit anchoring phenomenon question and the module investigate phenomena question. Take a look at **page v**.

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#### Summary Tables

Summary Tables provide students with records of the evidence they have gathered and experiences carried out during the exploration of each unit. Students should explain their reasoning, describe the connection to the Unit and Module Phenomena, and identify the questions answered. Take a look at **page vi**.



#### Correlations

Notice that each Teacher's Edition provides clear correlations to the NGSS. Take a look at **page xvi**.



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Digital wayfinding is found under each

Digital Resource Tiles

| of a system.  | Practices Handbook: Practice 2   |
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| DCI Disciplinary Core Ideas   |  |
| PS1.A: Structure and Properties of Matter<br>- Each atom has a charged substructure consisting of a nucleus, which is made<br>of protons and neutrons, surrounded by electrons. | Student Edition:<br>82–90, 90 Q6, 91–97, 94<br>Q15-Q16, 116–125, 126–132 |

#### Module Planner

To make planning easy for you, each module begins with a module planning page. Covering standards alignment, cross-curricular connections, **Disciplinary Core Ideas (DCI)** progressions, hands-on activity support, and more. Take a look at **page 46B**.

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| KEY:                          | LL: Launch Lab                                 | Git Quick In                       | vestigation                          | W: Virtual Investi  | gation P1  | Personal Tutor   |

| CER: The Study of Life         | Module Pretest: The Study<br>of Life |
|--------------------------------|--------------------------------------|
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#### Formative Assessment Support

Notice that each Science Probe includes teacher support with suggestions for the most productive discussion strategy to use. Take a look at **page 44**.



## 4 Explore the Digital Experience

Get to know the *Inspire Science* High School series digital experience! Your **Program Guide**, starting on **page 54**, shows the types of interactive resources that come with the *Inspire Science* High School series, and how they enhance the teaching and learning experience. This section also provides navigation support.



If you need a user name and password, you can request them directly from the login page at **inspire-science.com** Just select "Register."

*Inspire Science* provides an innovative, in-depth, and project-based learning experience designed to spark students' interest.



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