

HMH Science Dimensions[®]

Program Components and Features

GRADES K–5

Student Edition, Print

STUDENT RESOURCES

FEATURE HIGHLIGHTS:

- ▶ **Interactive, Magazine-Style, Research-Based Worktext**—to support the way students learn best—by interacting with content. The print SE allows students to write, draw, underline and circle responses, and take notes
- ▶ **“By the End of This Lesson” objectives**—to stimulate students’ thinking about the big ideas of science
- ▶ **Engaging lesson openers**—to introduce discrepant events or phenomena
- ▶ **Science Notebooking prompts**—to encourage students to gather evidence to support their claims, draw models and diagrams, and develop the reasoning behind the scientific explanations they construct
- ▶ **Vocabulary**—so students focus on the contexts and concepts behind words
- ▶ **Vocabulary Games**—to provide engaging ways for students to learn vocabulary terms
- ▶ **Collaboration prompts**—so students drive their own learning through discussion and teamwork with peers
- ▶ **Modeling activities**—to enable students to practice this critical scientific and engineering process and crosscutting concept
- ▶ **Engineering connections**—to help students engage in the design process to solve problems like engineers
- ▶ **People in Science & Engineering profiles**—to interest students in the wide variety of STEM careers available in today’s world
- ▶ **Math and English language arts connections**—to strengthen students’ skills in cross-curricular areas
- ▶ **Lesson Self-Check**—to provide useful checkpoints for understanding
- ▶ **Checkpoints**—to measure student understanding of lesson concepts, skills, and applications
- ▶ **Hands-on Activities**—so students can explore phenomena and gather evidence
- ▶ **Data Analysis**—to guide students through evaluating and drawing conclusions about evidence
- ▶ **Unit Practice and Review**—for review and evaluation
- ▶ **Unit Projects**—so students can engage in project-based learning
- ▶ **Unit Performance Task**—enabling students to construct their own solution to a problem

HMH Science Dimensions[®]

STUDENT RESOURCES

Student Edition, Interactive Online Edition

FEATURE HIGHLIGHTS:

- ▶ **All the features of the Print Student Edition *plus*:**
- ▶ **Audio Read of Text**—to aid struggling readers and support auditory learning
- ▶ **Animations and Videos**—to enhance student understanding through engaging multimedia
- ▶ **Open-ended prompts**—to encourage students to type or draw their answers to open-ended questions
- ▶ **Technology-enhanced questions** such as dropdown select, multi-select, and drag and drop to prepare students for high-stakes tests, allow them to receive immediate feedback on their responses, and offer teachers ongoing formative assessment feedback
- ▶ **Take It Further**—to empower students with personalized learning paths so they can continue their studies in the areas that most interest them
- ▶ **Vocabulary** highlighted and clickable to link students directly to the definitions
- ▶ **Unit Project Worksheets**—to help students plan their thinking around project-based learning
- ▶ **Downloadable PDF Worksheets for Labs**—for added convenience

Wow in the World and Two Whats and a Wow Podcasts

family-friendly science-themed podcasts

Student Edition PDF (Downloadable)

for ease of use in digital and hybrid learning environments

Math and ELA Online Handbooks

to refresh students' knowledge of essential math and English language arts skills

Science and Engineering Practices and Crosscutting Concepts Online Handbooks

for additional SEP and CCC activities

You Solve It

to engage students in open-ended simulation-based learning

Science and Engineering Levelled Readers

to provide students with additional opportunities for building literacy skills through high-interest nonfiction science texts

ScienceSaurus[®]

to reinforce Disciplinary Core Ideas coverage with colorful illustrations and clear explanations of key science vocabulary and concepts

Family Resources

home letters and support videos on understanding science content

HMH Science Dimensions[®]

TEACHERS RESOURCES

Teacher Edition, Print

FEATURE HIGHLIGHTS:

- ▶ **3D Learning Objectives**—custom stepping-stone objectives for integrating the Three Dimensions of Learning
- ▶ **PEs, SEPs, CCCs, and DCIs** clearly labeled for each lesson to help navigate the new standards
- ▶ **Connections to Math and ELA** outlined in each lesson to connect science content to other curricular areas
- ▶ **Building on Prior Knowledge**—to access students' existing knowledge about the subject matter
- ▶ **Differentiating Instruction features**—to individualize instruction for every student
- ▶ **EL Support**—to address the needs of English learners in your classroom
- ▶ **Content Background refreshers**—to provide context for what is being taught in class
- ▶ **5E Model**—to maximize teaching effectiveness via a familiar learning model
- ▶ **Evidence Notebook support**—to guide students as they journal about their thinking
- ▶ **Collaboration support**—to help inspire group interaction
- ▶ **Hands-On Activities support**—to efficiently conduct labs by previewing the time required, the objectives, and any preparations

Teacher Edition, Interactive Online Edition

FEATURE HIGHLIGHTS:

- ▶ **All the features of the Print Teacher Edition *plus*:**
- ▶ **K–12 NGSS Trace Tool**—to clarify how NGSS* spirals through each grade and where your instruction fits
- ▶ **Professional Learning Videos**—to ease your transition to NGSS with support from thought leaders and experts

Teacher Edition PDF (Downloadable Teacher Resource Tool)

for ease of use in digital or hybrid learning environments

Assessment Guide

for easy access to your print assessment resources

Online Assessment with Item Banks

customizing digital assessments and easily accessing student performance data

Performance-Based Assessments

hands-on assessments of the Performance Expectations of NGSS

ASSESSMENT RESOURCES

**PARENT
RESOURCES**

Parent-Facing Videos

offering background and explanations concerning NGSS*

Parent Letter

orienting parents to the topic of study and providing tips on supporting instruction with at-home discussions or quick activities

**ENGLISH
LEARNER
RESOURCES**

Spanish Student Edition, Print

Spanish Student Edition, eTextbook (ePub, download)

Online Multilingual Glossary

defining science terms in 12 languages

**ADDITIONAL
RESOURCES**

Teacher's Corner

a hub of professional learning and teaching support resources

Ed: Your Friend in Learning[®]

online learning system that combines the best of technology, HMH[®] content, and instruction to personalize the teaching and learning experience for every teacher and student

HMH Go[™] app

for accessing program content offline and for maximum compatibility in 1:1 or in Bring Your Own Device learning environments

Common Cartridge[®]

supporting integration of content into compatible Learning Management Systems

To learn more and get an online preview, visit
hmhco.com/sciencedimensions

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