

HMH Science Dimensions[®] ***Earth and Space Science***

Mississippi Free with Order Package

Digital packages can be purchased for durations ranging from one to five years.

STUDENT RESOURCE PACKAGE

Component	Package
Student License	Digital
Student Resources	Digital

TEACHER RESOURCE PACKAGE

A Teacher Resource Package is provided free with the purchase of 75 Student Resource Packages.

Component	Package
Teacher License	Digital
Teacher Resources	Digital
<i>Teacher's Corner[®]</i> (Professional Learning)	Digital
Implementation Success (Professional Learning)	Digital

Reasons to Choose for Mississippi Biology and Earth & Space Science

When it comes to choosing high-quality instructional materials for science, HMH® has Mississippi educators, leaders, and students covered! Through student-centered learning, rigorous practice, and differentiated supports, students will master the Mississippi College- and Career- Readiness Standards — and the science challenges they’ll face beyond the classroom. As you make your decision in choosing the best science program, please consider the following Key Areas in *HMH Science Dimensions®* for Mississippi.

100% Alignment to the MCCRS for Science

Alignment and Accuracy:

- Mississippi Standards: *HMH Science Dimensions* addresses **all MCCRS science content**, including the grade-level major work and supporting content.
- Every unit of *HMH Science Dimensions* has a phenomena storyline that thoroughly engages students in three-dimensional learning.
- High-Quality Activities: Purposeful activities connect concepts to skills and procedures, **linking** student background knowledge to both **major and supporting content**.



3.1 Photosynthesis

Matter is recycled, and energy flows through organisms and the environment.

CAN YOU EXPLAIN IT?

The colonization of other planets was an idea once found only in science-fiction stories. Today, this idea is closer to becoming a realistic pursuit. One of the problems that must be solved before the colonists leave Earth is this —where will the colonists get food? One line of inquiry involves figuring out what it takes to grow plants in an environment different from Earth.

Can You Explain It?

Students are asked to record the kinds of matter and energy sources they think plants would need to grow on another planet. Students will collect evidence related to photosynthesis throughout the lesson. They will revisit the question at the end of the lesson to use what they have learned to explain the value of photosynthesis to plant life.

Phenomenon Storyline

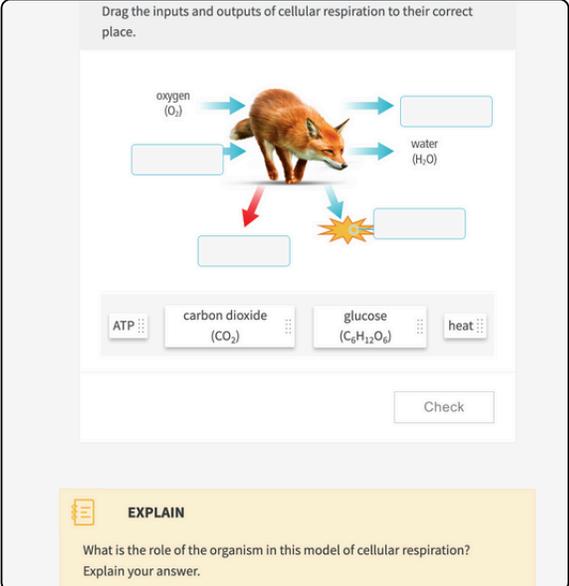
What You Will Do	Release and Engage Practice	Laboratory Data Book	Connecting Evidence
<ul style="list-style-type: none"> Students will be able to: Plan and execute an investigation to gather evidence to answer a question based on evidence for the cycling of matter and flow of energy through ecosystems and their interactions with the abiotic components of the system. Use data to describe the role of photosynthesis and cellular respiration in the cycling of matter among the biosphere, atmosphere, hydrosphere, and geosphere. 	<ul style="list-style-type: none"> Developing and Using Models Engaging and Explaining Data Constructing Explanations Engaging in Argument from Evidence Practicing and Improving Communication Obtaining, Evaluating, and Communicating Information 	<ul style="list-style-type: none"> LSB-1: Cycle of Matter and Energy Transfer in Ecosystems LSB-2: Open-System Matter and Energy Flow in Ecosystems PSB-3: Energy: Chemical Processes 	<ul style="list-style-type: none"> Science and System Models Energy and Matter: Flows, Cycles, and Conservation

Rigor and Instructional Practices

HMH Science Dimensions builds conceptual understanding foundations before teaching procedures through the Activity Before Content method. Emphasis is placed on connections between multiple phenomena and hands-on skills with application embedded throughout. All aspects of rigor intentionally reflect the level required by the MCCRS for science, with equal intensity.

Student Learning:

- Engages Students: **Hands-On Labs** and digital, open-ended simulations allow students to use technology as a scientist would.
- Anchoring Phenomenon: Every lesson begins with an **Anchoring Phenomenon**. Students begin by working with others to analyze what they already know about the phenomenon. Then students gather data throughout the lesson in order to develop a claim to answer the guiding question.
- Unit Projects: Unit Projects require students to use **Crosscutting Concepts and Science and Engineering Practices** to plan and conduct investigations. These open-ended investigations extend the concepts and ideas of the Anchoring Phenomenon.
- Can You Solve It?: **Formative assessments** ask students demonstrate their understanding of the phenomenon.



Drag the inputs and outputs of cellular respiration to their correct place.

oxygen (O₂)

water (H₂O)

ATP

carbon dioxide (CO₂)

glucose (C₆H₁₂O₆)

heat

Check

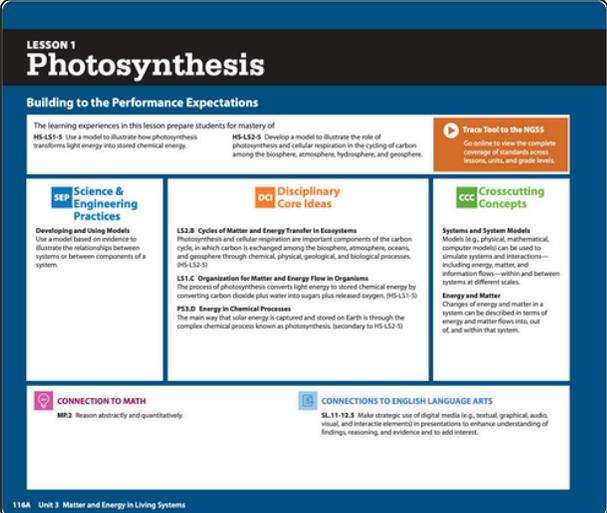
EXPLAIN

What is the role of the organism in this model of cellular respiration? Explain your answer.

Formative Assessment

Instructional Design:

- Planning & Lesson Content: The **3-Dimensions of Science** are labeled and embedded in every lesson informing how students will engage with the content and each other to solidify understanding.
- The **Teacher eBook** provides guidance at point-of-use within the student eBook supporting discourse and data-informed instruction.



LESSON 1
Photosynthesis

Building to the Performance Expectations

The learning experiences in this lesson prepare students for mastery of

HS-LS1-5 Use a model to illustrate how photosynthesis transforms light energy into stored chemical energy.

HS-LS1-6 Develop a model to illustrate the role of photosynthesis and cellular respiration in the cycling of carbon among the biosphere, atmosphere, hydrosphere, and geosphere.

Trace Tool to the NGSS
Go online to see the complete coverage of standards across lessons, units, and grade levels.

SEP Science & Engineering Practices
Developing and Using Models
Use a model based on evidence to illustrate the relationships between systems or between components of a system.

DCI Disciplinary Core Ideas
LS2.B Cycles of Matter and Energy Transfer in Ecosystems
Photosynthesis and cellular respiration are important components of the carbon cycle, in which carbon is exchanged among the biosphere, atmosphere, oceans, and geosphere through chemical, physical, geological, and biological processes. (HS-LS2-3)
LS1.C Organization for Matter and Energy Flow in Organisms
The process of photosynthesis converts light energy to stored chemical energy by converting carbon dioxide plus water into sugar plus released oxygen. (HS-LS1-5)
PS3.D Energy in Chemical Processes
The main way that solar energy is captured and stored on Earth is through the complex chemical process known as photosynthesis, (secondary to HS-LS2-3)

CCC Crosscutting Concepts
Systems and System Models
Models (e.g., physical, mathematical, computer models) can be used to simulate systems and interactions—including energy, matter, and information flows—within and between systems at different scales.
Energy and Matter
Changes of energy and matter in a system can be described in terms of energy and matter flows into, out of, and within that system.

CONNECTION TO MATH
MP2 Reason abstractly and quantitatively.

CONNECTIONS TO ENGLISH LANGUAGE ARTS
SL.11-12.6 Make strategic use of digital media (e.g., textual, graphical, audio, visual, and interactive elements) in presentations to enhance understanding of findings, reasoning, and evidence and to add interest.

116A Unit 3 Matter and Energy in Living Systems

Three-Dimensional Instruction

Usability

Teacher Supports & Assessment:

- Digital Planning and Instruction: Lesson resources are easily accessible and grouped where you can easily add items to a **digitized daily plan**.
- Point-of-Use Support: Print and digital materials clearly articulate how to implement *HMH Science Dimensions* including a **list of supplies** needed, **guiding questions**, student work samples with **teaching notes**, appropriate **support resources** for students, data tools, School Home Letters, and the exclusive Family Room™ for parent and caregiver support.
- On-Demand Support: **Videos**, program support **mini-courses**, **live events**, and personalized **Teacher Success Pathways** collectively support you on day one of implementation and beyond.
- Daily Instruction: Choose your preferred lesson delivery from print, hands-on, and digital tools like the **interactive Student Edition**.
- Complete Assessment Suite: **Diagnostic**, **formative**, and **summative** assessments, both print and digital, come with actionable **reports** and **grouping tools**.

Student Supports:

- Learning Aids: **Speech-to-text**, **audio**, helpful hints, feedback and more help students succeed daily.
- Extensions: Math and ELA activities, Unit Performance Tasks, Careers in Science, and Unit Connections activities **meet students' diverse needs and interests**.
- Multilingual Learners: Point-of-use **support for English language learners** are available with additional resources found online for students and caregivers.
- Visualization: **Manipulatives**, **virtual tools**, graphic organizers, and diagrams support student understanding.
- Feedback: Student work within the digital platform can be **reviewed immediately for feedback**.
- Engagement: Print and digital tools are designed to keep students **engaged in the content**.

Explore Online 

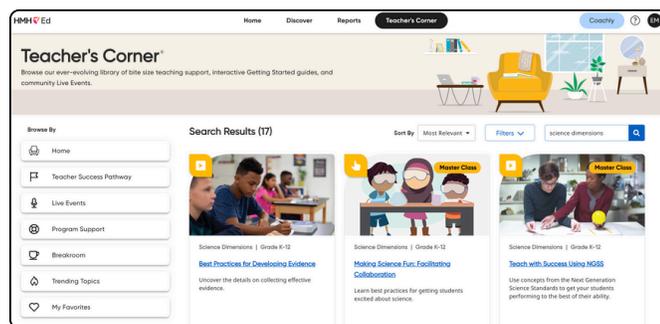
Differentiate Instruction

Visual Learners Have students work in groups of two or three to explore the electron transport chain online. Remind students to use the arrows to keep track of where each type of particle is moving. Suggest that they focus on one color in the image at a time to visualize what is happening to that type of particle. For example, focusing on the yellow circles shows that electrons are moving along the inner membrane. Focusing on the blue circles shows that hydrogen ions are transported across the inner membrane.

Collaboration

Discuss Have students work with a partner to discuss the relationship between the electron transport chain and the Krebs cycle. If students have difficulty answering the question, suggest that they carefully reread the steps of the Krebs cycle to determine the types of particles that move from it to the electron transport chain. Students should conclude that carbon dioxide and ATP from the Krebs cycle are not used in the electron transport chain, but NADH and FADH₂ are. The NADH and FADH₂ are electron carriers that are used to make ATP.

Teacher Support



On-Demand Professional Learning

Language Arts Connection

Students should find that previous to the 1970s, hunting and habitat loss had greatly reduced the alligator population. The American alligator was listed as an endangered species in 1967 under a law that preceded the Endangered Species Act of 1973, and alligator populations began to rebound. Poaching continued to be a problem, but additional changes to the law controlling the shipment of alligator hides helped the population increase substantially. Ask students to explain how these changes in the alligator population affected other parts of the ecosystem, such as populations, communities, and the ecosystem as a whole.

Cross-Curricular Connections

Foster Collaborative, Critical-Thinking Scientists with
HMH Science Dimensions for Mississippi!

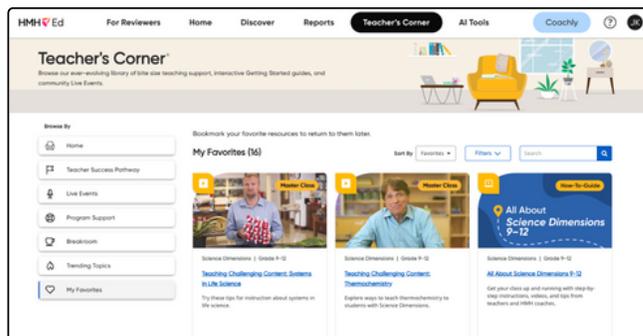
Learn more at: hmhco.com/sciencedimensions

All About Science Dimensions Program Support Guides

Get your class up and running with step-by-step instructions, videos, and tips from teachers and HMH coaches.

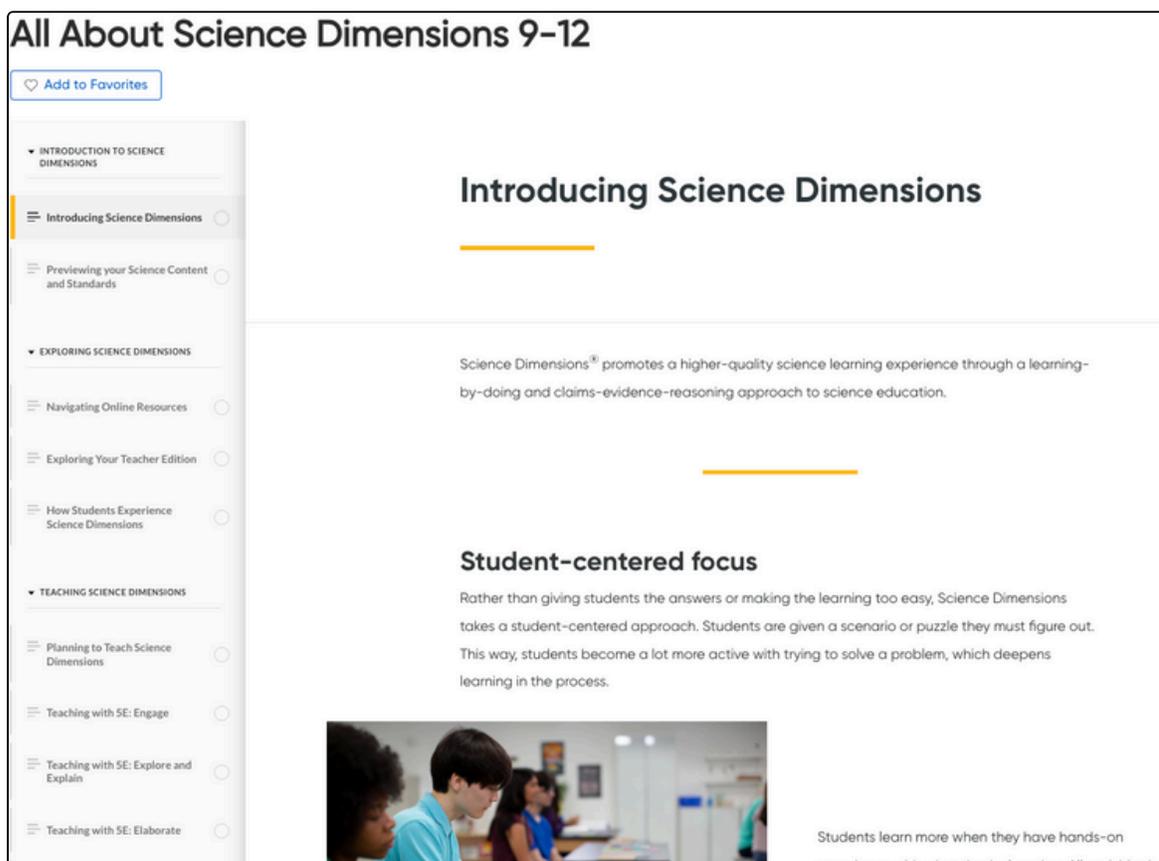
1

On **HMH Ed**, click on **Teacher's Corner** in the top navigation bar, then **Program Support**. Choose **All About Science Dimensions 9-12**.



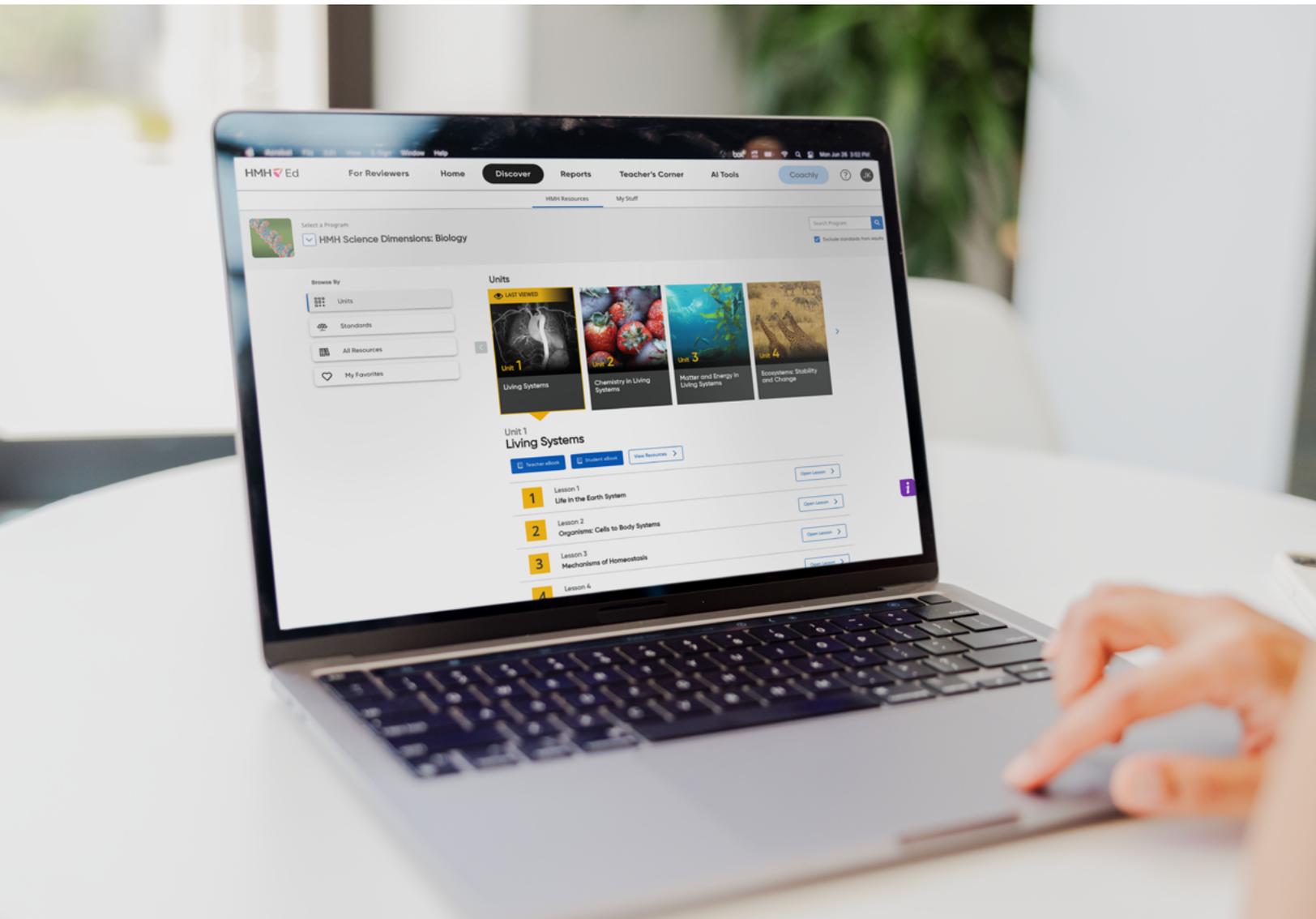
2

Topics include: Exploring Science Dimensions, Teaching Science Dimensions, Assessment, and Next Steps.



Mississippi Digital Walkthrough Guide

Biology and Earth & Space Science



Explore our digital components on HMH Ed

What's inside



- 4** Reviewer overview →
- 5** Program content →
- 6** Teacher eBook →
- 7** Student eBook →
- 8** Unit resources →
- 10** Unit structure →
- 11** Class planning →
- 12** Assessment Report →
- 13** Standards Report →
- 14** Family and caregiver resources →
- 15** Professional learning and live events →

Special alerts!

 Teacher favorite

 Pro tip

 Dig deeper

 Multilingual learners

 Easy LMS integration

Reviewer overview

The screenshot shows the HMH Ed reviewer interface. At the top, there is a navigation menu with 'For Reviewers' highlighted. A 'Start Here' callout points to the 'For Reviewers' button. A '1' callout points to the 'Discover' menu item. Below the navigation, the main heading reads 'Welcome to Your Review Of Science Dimensions and Dimensiones de las Ciencias'. A sub-heading says 'Get started using the Walkthrough Guide on the right.' Below this is a '2' callout pointing to a 'Select Grade:' dropdown menu with 'Science Dimensions: Biology' selected. Underneath is a '3' callout pointing to the 'View Content' section. This section displays three main cards: 'Scope and Sequence', 'Student Edition: Biology', and 'HMH Science Dimensions Biology'. The 'Student Edition: Biology' card has a '4' callout pointing to its 'Student Edition' button. The 'HMH Science Dimensions Biology' card has 'Teacher Edition' and 'Correlations' buttons.

1 Review key components

View key *HMH Science Dimensions* components that correspond to your chosen grade level. To view all program resources, click “Discover” from the top menu.

2 Select grade to evaluate

Get started on your review by selecting a grade level from the drop-down menu.

3 Get to know the program

Gain an understanding of *HMH Science Dimensions* and its approach to evidence-based, high-quality instruction.

4 Resources at your fingertips

Explore resources for whole-class instruction and planning and pacing.

HMH Science Dimensions content

Select **Discover**

1 Select a Program
HMH Science Dimensions: Biology

2 Browse By
Units
Standards
All Resources
My Favorites

3 Units
Unit 1 Living Systems
Unit 2 Chemistry in Living Systems
Unit 3 Matter and Energy in Living Systems
Unit 4 Ecosystems: Stability and Change

4 Unit 1 Living Systems
Teacher eBook Student eBook View Resources
1 Lesson 1 Life in the Earth System Open Lesson
2 Lesson 2 Organisms: Cells to Body Systems Open Lesson
3 Lesson 3 Open Lesson

1 Grade selection

Find all *HMH Science Dimensions* grade levels in one place.

2 All resources

Easily navigate all *HMH Science Dimensions* components and resources or access your lessons and assignments.

3 Unit selection

Scroll through and select any comprehensive science units.

4 Teacher eBook

Plan instruction and find support for all learners.

Teacher eBook

Select Discover

1

2

3

Engage

3.1

Photosynthesis

Water is recycled, and energy flows through organisms and the environment.

CAN YOU EXPLAIN IT?

The colonization of other planets was an idea once found only in science-fiction stories. Today, this idea is closer to becoming a realistic pursuit. One

Analyzing Water Pollution

Small Groups
90 minutes

SEP Constructing Explanations and Designing Solutions

Students gather evidence to support their explanation of how a fertilizer factory affects the aquatic ecosystem in a local community. They will also construct and use a model to support their explanation.

Answers

- Statements should indicate that students are asked to determine whether the fertilizer factory is causing increased algae and, if so, what controls need to be put in place.
- Students' research into eutrophication should lead them to conclude that the fertilizer plant could be causing the observed changes.
- Students may use a nitrogen cycle model to represent the likely effects of excess nitrogen in an aquatic ecosystem.

Performance Task Scoring Rubric Criteria

- Problem statement is clearly defined and identifies supporting questions to be answered
- Model clearly and accurately represents how excess nitrogen cycles through the

1 Teacher eBook

The Teacher eBook contains everything in the Student eBook, as well as resources that make planning convenient for all phases of instruction.

2 Table of contents

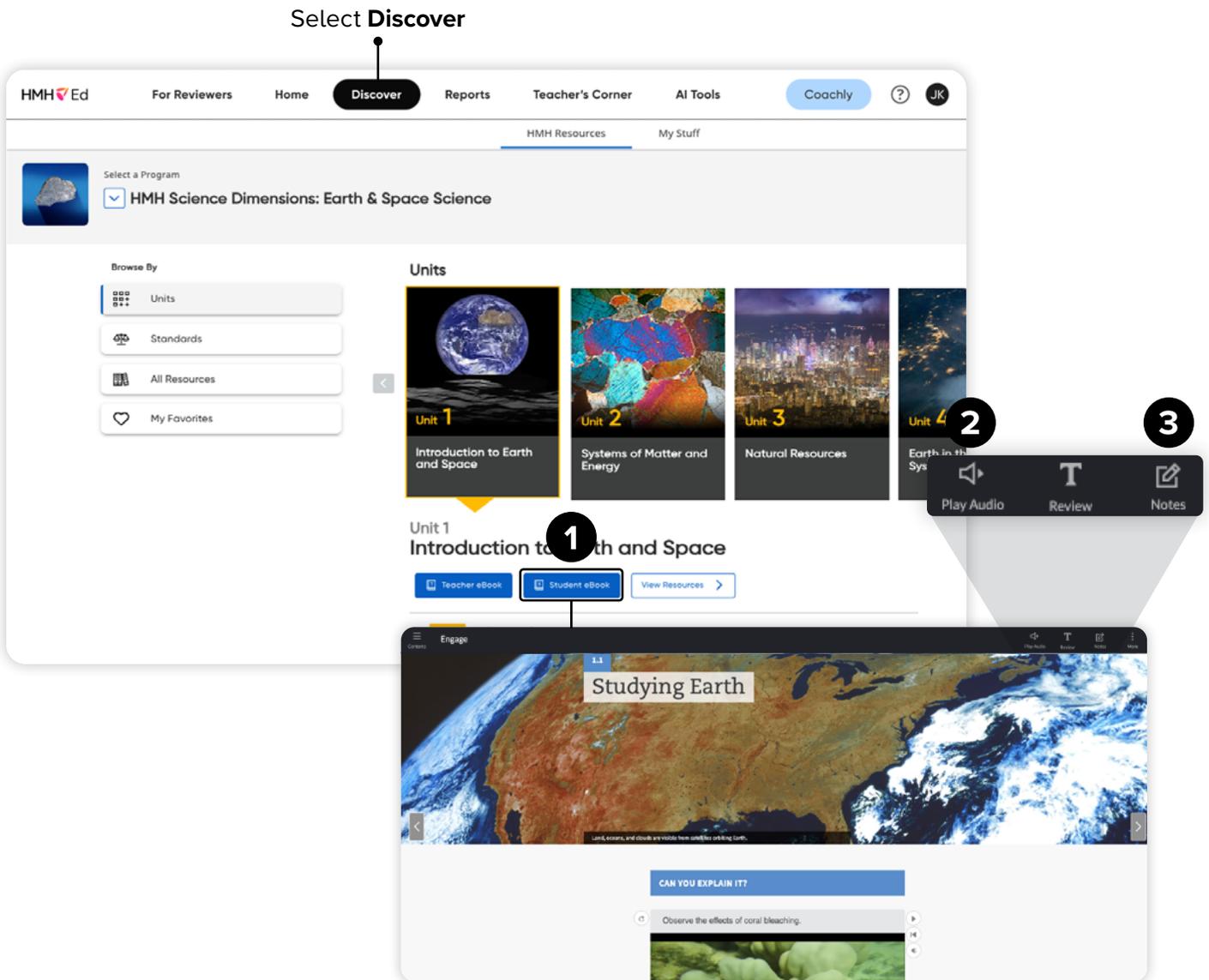
Quickly access each unit and its corresponding lessons, Unit Connections, Unit Practice and Reviews, and Unit Performance Tasks.

3 Teacher eBook panel

Dig deeper

Comprehensive support in the eBook panel includes collaboration activities, cross curricular connections, suggestions for executing for Hands-On Labs, and more.

Student eBook



1 Student eBook

Launch the student edition to access the content displayed exactly as students view it.

2 Text to speech

 Multilingual learners

Text can be played as an audio selection to help students build and enhance vital literacy skills.

3 Student annotations

HMH Science Dimensions eBooks are interactive, allowing students to highlight and take notes. Teachers may view annotations by class and by individual students to help guide instruction.

Unit resources

Select Discover

HMH Ed For Reviewers Home Discover Reports Teacher's Corner AI Tools Coachly ? JK

HMH Resources My Stuff

Select a Program
▼ HMH Science Dimensions: Earth & Space Science

Search Program [] []
 Exclude standards from results

Browse By

- Units
- Standards
- 1 All Resources**
- My Favorites

Featured Categories

- Assessments
- Thing Explainer
- Teacher eBook
- Unit Performance Tasks
- Home Letters
- On the Job STEM Career Videos
- State-Specific Resources
- You Solve It Simulations
- Student eBook
- Print Teacher Edition PDF
- Lab Resources and Materials List
- Science Tools
- Teacher Resources
- HMH NGSS Trace Tool
- Print Student Edition PDF
- Unit Projects
- Handbooks
- Glossary
- Family Resources

Sort By: Default

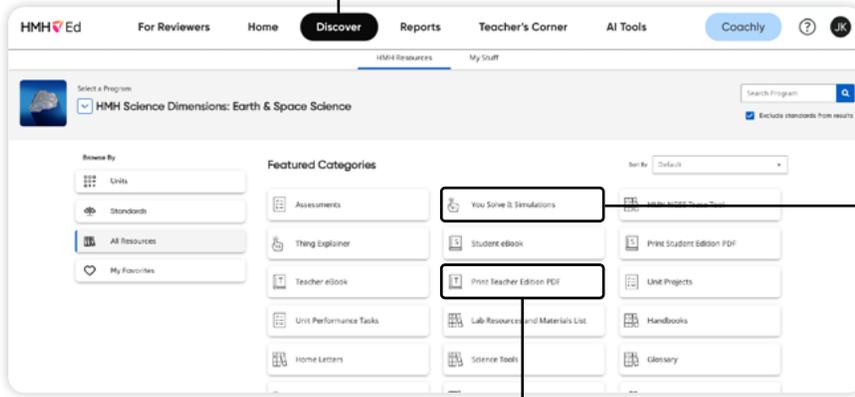
Show Me Everything

- 1 All resources**
Find all your digital *HMH Science Dimensions* resources organized into featured categories and components.

- 2 Search bar**
 **Pro tip**
Use the search bar as another way to find the exact resource or content you are looking for. Try searching “You Solve It”.

Unit resources (cont'd)

Select **Discover**



1 Teacher Edition PDF
Use the Teacher Edition PDF to ensure you are integrating the Three Dimensions of Learning. The PEs, SEPs, CCCs, and DCIs are clearly labeled for each lesson to help you navigate the NGSS standards.

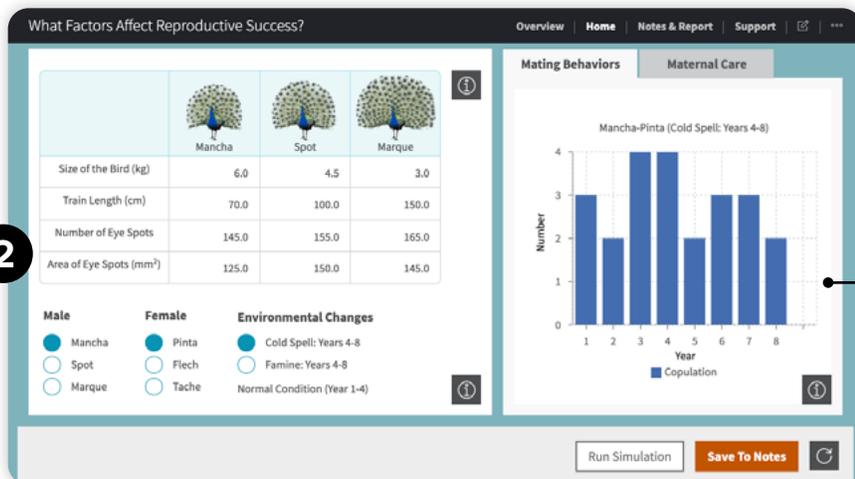
2 You Solve It Simulations
You Solve It! computer simulations provide engaging lab experiences for students to use technology like a scientist uses technology.

NGSS and HMH Science Dimensions Biology

HS-LS1 From Molecules to Organisms: Structures and Processes

		Print and Digital Resources	
		Supporting Learning Experiences	Assessment and Performance
<p>Performance Expectation HS-LS1-1 Construct an explanation based on evidence for how the structure of DNA determines the structure of proteins which carry out the essential functions of life through systems of specialized cells.</p>		<p>Unit 6 Lesson 1 and Hands-On Lab Lesson 2 and Hands-On Lab Lesson 3 and Hands-On Lab</p>	<p>Unit 6 Unit Project Unit Solve It (digital only) Unit Performance Task Assessment Guide and Online Lesson Quizzes Unit Test Performance-Based Assessment End-of-Year Test</p>
<p>Disciplinary Core Idea LS1.A Structure and Function</p>	<p>Structure and Function Systems of specialized cells within organisms help them perform the essential functions of life. All cells contain genetic information in the form of DNA molecules. Genes are regions in the DNA that contain the instructions that code for the formation of proteins.</p>		
<p>Science and Engineering Practice Constructing Explanations and Designing Solutions</p>	<p>Construct an explanation based on valid and reliable evidence obtained from a variety of sources (including students' own investigations, models, theories, simulations, peer review) and the assumption that theories and laws that describe the natural world operate today as they did in the past and will continue to do so in the future.</p>		
<p>Crosscutting Concept Structure and Function</p>	<p>Investigating or designing new systems or structures requires a detailed examination of the properties of different materials, the structures of different components, and the connections of components to reveal its function and/or solve a problem.</p>		
<p>Connections to Engineering, Technology, and Applications of Science Interdependence of Science, Engineering, and Technology</p>	<p>Engineering advances have led to important discoveries in virtually every field of science, and scientific discoveries have led to the development of entire industries and engineered systems.</p>		
<p>Performance Expectation HS-LS1-2</p>		<p>Unit 1 Lesson 2 and Hands-On Lab</p>	<p>Unit 1 Unit Project</p>

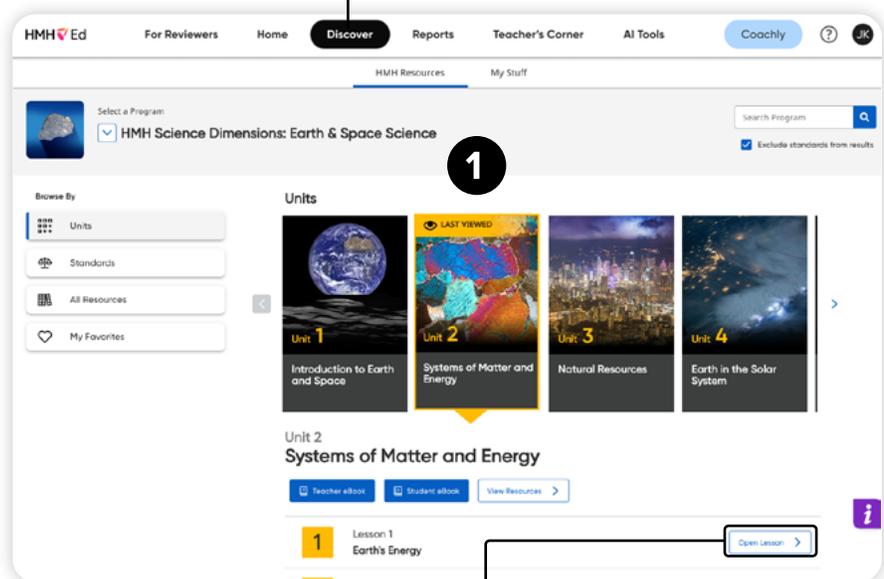
1



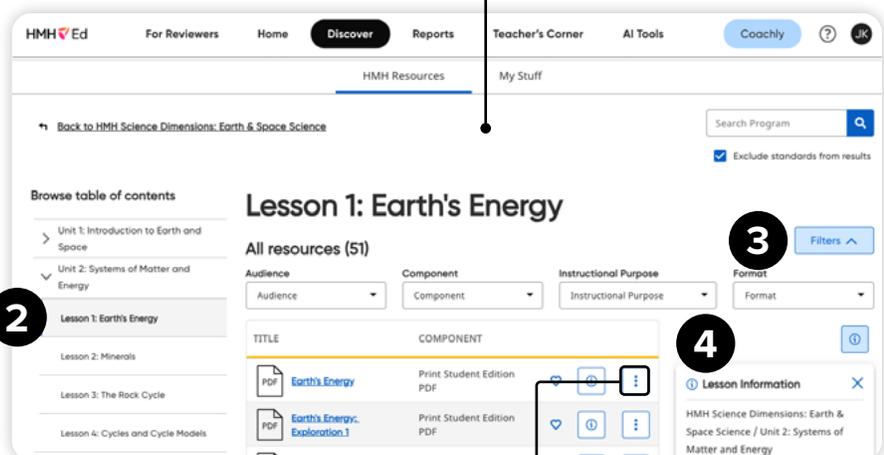
2

Unit structure

Select **Discover**



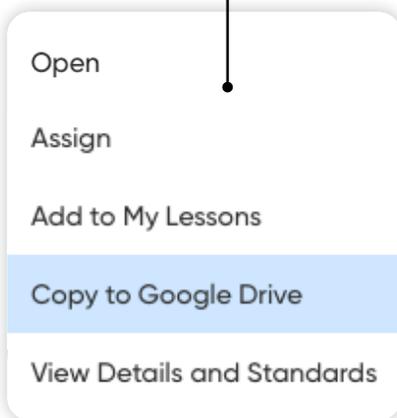
1 Unit selection
Within *HMH Science Dimensions: Earth & Space Science*, scroll and select Unit 2 Systems of Matter and Energy.



2 Unit components
Within each unit, you can find lesson resources broken down into categories. Find lesson resources organized by instructional purpose and view standards.

3 Filters
Use the filtering options to quickly find different components, formats, and instructional purposes of resources for *HMH Science Dimensions*.

4 Resource information
Preview the component's most pertinent information before launching it. Then quickly assign or favorite the right resources for your students.



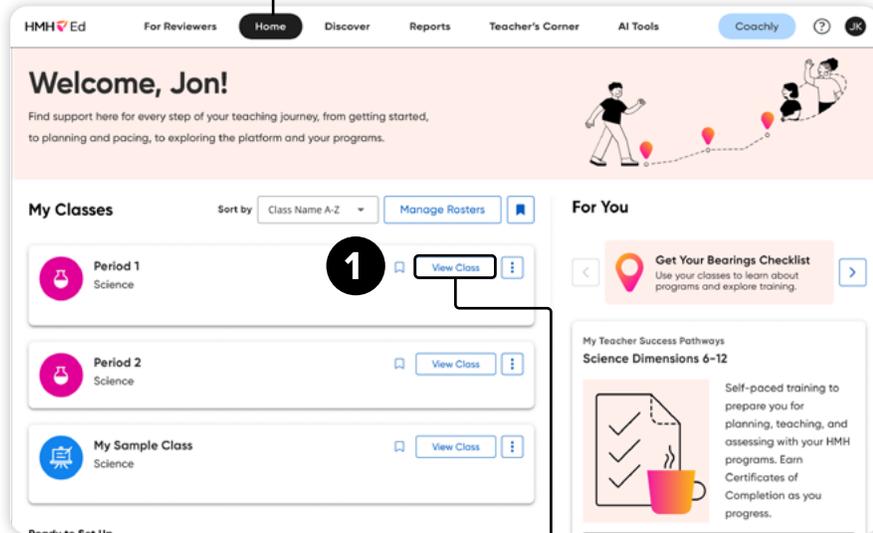
5 Copy to Google Drive

Easy LMS integration

A seamless teaching experience allows you to open resources directly in your Google Drive™ in one click!

Class planning

Select **Home**



1 Class selection
Dive into any class to view grade level content and planning tools.

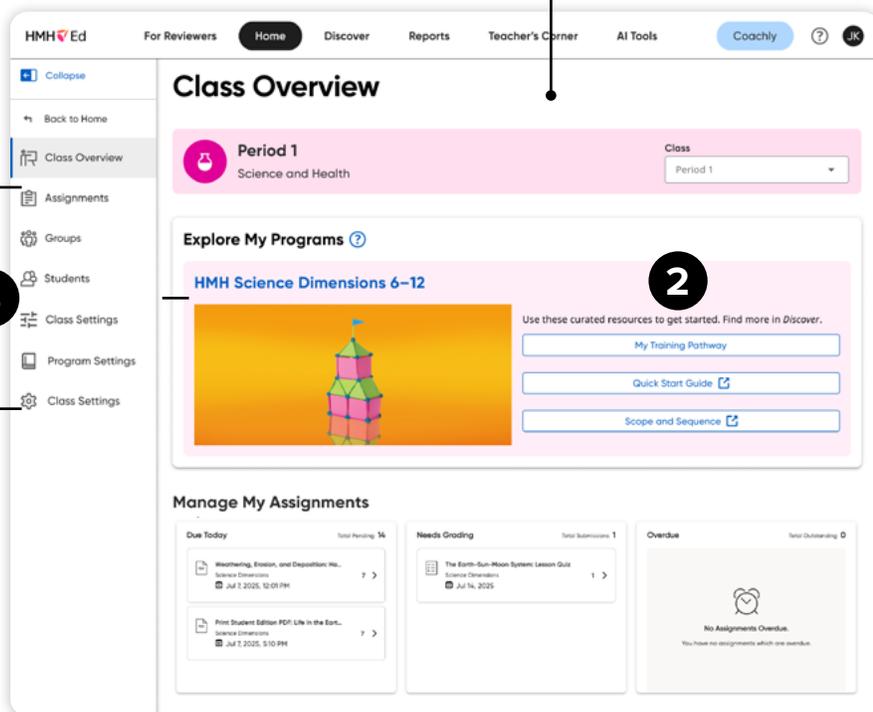
2 Pertinent program resources

♥ Teacher favorite

Easily access your Quick Start Guide, Scope & Sequence document, and a program-specific training pathway for each program used for this class.

3 Manage your class

Review student information, assignments, settings, and more.



Assessment Report

Select Reports

1 Assessment Report

Standards Report

Growth Report

Program Activity Report

Reports & Insights

Assessment Summary Report

Showing data for All Types of assessments within All Programs in Class 7 that were taken between Sept 1 2024 and Feb 27 2025.

2 Customize This Report

Class: Class 7 Subject: Science and Health

Export CSV Print Report

Assessment Proficiency

All Students | ALL DATES

12 STUDENTS

Below-Level (0% - 64%) On-Level (65% - 79%) Above-Level (80% - 100%) No Data

Assessment Average

All Students | ALL DATES

AVG SCORE

Below-Level (0% - 64%) On-Level (65% - 79%) Above-Level (80% - 100%) No Data

Assessment Performance

Student	Student Average Score	Jul 8 2024 Beginning-of-Year Readiness Check	Mar 26 2025 End-of-Year Test A	Mar 26 2025 Lesson Quiz 2: Adaptations Aid Organisms' Survival	Mar 26 2025 Unit 4 Test Activity Guide: Organism and Their Environment
All Students	66.37%	70.37%	66.67%	62.96%	66.67%
Champlin, Daron	53.92%	57.78%	47.37%	55.56%	55.56%

PREVIEW REPORTS

1 Assessment report

Dig deeper

This report displays high-level reporting information for all students, cumulative assessment scores for individual students, and single test scores for individual students.

2 Customize reports

Customize based on:

- Program
- Assessment type(s)
- Period

Standards Report

Select Reports

1

2

3

1 Standards report

Dig deeper

Dive into an overview of standards performance based on program and benchmark assessment data and *HMH Science Dimensions* standard-aligned resources for scaffolded support.

2 Aligned resources

HMH Science Dimensions lessons, resources, and assignments can be seen by navigating to a standard and clicking “See Performance by Standards”.

3 Auto grouping

Teacher favorite

HMH’s Standards Report automatically recommends groups based upon students’ assessment results.

Family and caregiver resources

Select **Discover**

1

HMH Ed For Reviewers Home **Discover** Reports Teacher's Corner AI Tools Coachly ? JK

HMH Resources My Stuff

Back to HMH Science Dimensions: Earth & Space Science

Search Program

Exclude standards from results

Browse table of contents

- Unit 1: Introduction to Earth and Space
- Unit 2: Systems of Matter and Energy
- Unit 3: Natural Resources
- Unit 4: Earth in the Solar System
- Unit 5: Space
- Unit 6: Plate Tectonics
- Unit 7: Earth's Changing Surface
- Unit 8: Earth's Water

Unit 1: Introduction to Earth and Space

Filtered resources (2)

Audience Component Instructional Purpose Format

Applied filters Home Letter Reset all filters

TITLE	COMPONENT			
Introduction to Earth and Space: Home Letter	Home Letter			
Introduction to Earth and Space: Home Letter	Home Letter			

Information

HMH Science Dimensions: Earth & Space Science / Unit 1: Introduction to Earth and Space

2

HMH Ed Home **Discover** Assignments Scores ? JK

Family Room

Support your child's learning with bite-size tips and videos.

Browse By

- Home
- Getting Started
- Program Support
- Showables
- My Favorites

Bookmark your favorite resources to return to them later.

My Favorites (3)

Science Dimensions | Grade 6-12

[5 Tips for Making Science Hoopoes at Home](#)

Get ready to think like an expert with these tips for fun while learning science.

Science Dimensions | Grade 6-12

[Meet Science Dimensions](#)

Hear what it's like to learn with Science Dimensions.

Grade 6-12

[Navigating HMH's Learning Platform](#)

See how your child will access their online resources in school or at home.

1 School-to-Home support

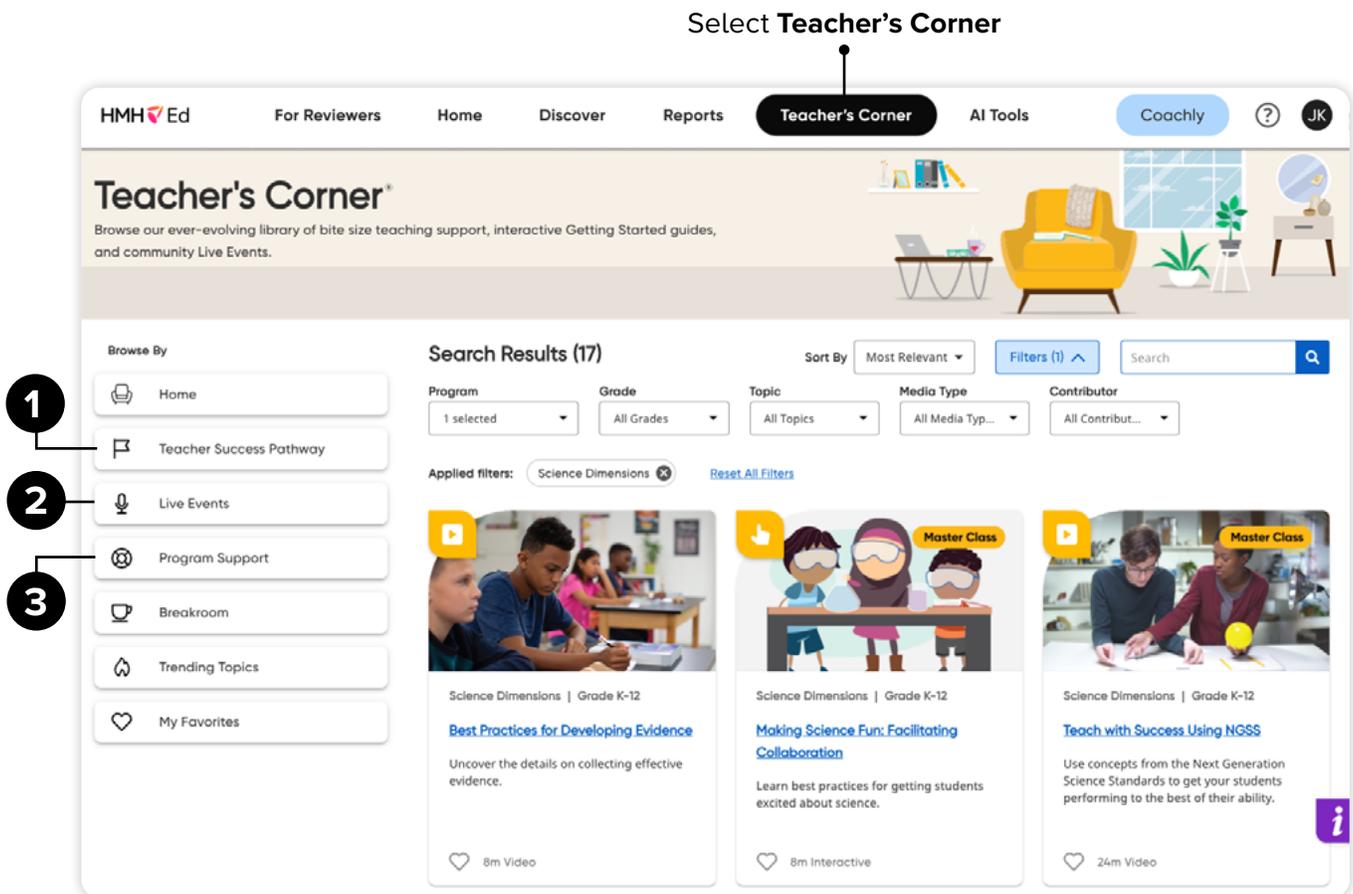
Multilingual learners

Available in English and Spanish, editable home letters for each unit provide the science summary, an at-home activity, and additional resources to support learning.

2 Family support

HMH's Family Room® is an ever-growing library of on-demand resources for families and caregivers, which is so important for a child's learning. Access to Family Room is available within the student's account.

Professional learning and live events



1 Teacher Success Pathway

♥ Teacher favorite

Whether a teacher's first day is in August or February, HMH gives them the tools to feel confident in the first 30 days with the Teacher Success Pathway, a guided training course that's personalized just for the teacher.

☆ Pro tip

From an *HMH Ed* admin account, administrators can assign Teacher Success Pathways to educators.

2 Live events

Free live online events connect your team with *HMH Science Dimensions* program experts, education thought-leaders, and teachers using HMH programs.

3 Program support

We put *HMH Science Dimensions* lesson plans, editable templates, and "how to" videos from real-world teachers at your fingertips from day one.



Engineered for the Next Generation

To explore *HMH Science Dimensions* for Mississippi,
visit hmhco.com/MS-sciencedimensionsreview

[← Back to menu](#)

Mississippi Department of Education

K–12 Science Textbook Call

Technology Supporting Document

Learning Management System (LMS) and its hardware and software capabilities.

a. The document should include the following information:

i. Thin Common Cartridge 1.3 – 1EdTech Global Standards

HMH has been an active member and contributor to the 1EdTech community for many years and is dedicated to supporting integration and interoperability connections using a set of technical specification standards managed by 1EdTech. HMH Core products are available in the 1EdTech Common Cartridge Standard. Our Common Cartridge program packages are validated to show compliance to the following 1EdTech specifications: CC v1.2/v1.3 (Thin Profile) and QTI v2.1.

ii. School rostering

HMH rostering provides flexible, secure, automated, and easy solutions. The HMH Rostering Service has an active 1EdTech OneRoster v1.1 certification, and we highly recommend using our best-in-class methods—Clever and ClassLink—to utilize the automated OneRoster API data feed.

iii. PDF and/or ePUB format

HMH eBooks are rendered in ePUB format. Some ***HMH Into Science*** and ***HMH Science Dimensions*** materials are available in PDF format.

iv. Alternative text (image), captions and subtitles (videos), read-alouds, and other accessibility functions

The HMH Ed teaching and learning platform integrates with a wide variety of assistive technologies and user input modalities, enhancing accessibility for users of different abilities. The platform is compatible with multiple third-party assistive technology software—such as screen readers, text-to-speech tools, assistive tags, magnification tools, and more—to improve all users’ teaching and learning experiences. The HMH Ed platform’s video player includes closed captions that can be accessed and enabled via the Closed Caption button on the video player, and images include descriptive alt text.

The HMH Accessibility webpage, <https://www.hmhco.com/accessibility>, details our commitment to providing inclusive, affirming, and accessible curriculum materials and learning tools that align with WCAG standards and adhere to UDL principles.

v. 508 compliant platform

HMH Education Company is committed to providing equitable, diverse, inclusive, and accessible curriculum materials and learning tools for users of different abilities.



We are dedicated to improving these experiences and providing equitable teaching and learning environments by designing our latest digital products to conform to the Americans with Disabilities Act (ADA), Section 504 and 508 regulations, target Web Content Accessibility Guidelines (WCAG) 2.2 AA, and incorporate Universal Design for Learning (UDL) principles. HMH digital products target WCAG 2.2 AA alignment.

HMH also provides electronic files to the National Instructional Materials Access Center (NIMAC) system for all printed textbooks and other required core content. HMH student materials can be converted into alternative assistive technology products for braille, large print, and screen reader programs via a National Instructional Materials Accessibility Standard (NIMAS) file on the NIMAC system, enabling customers to access the NIMAS files through NIMAC to create specialized formats for use by students with blindness, visual impairments, and other print disabilities. To see the range of HMH products available from NIMAC, visit <https://nimac.overdrive.com/ContentInventory>.

vi. Privacy-data security specifications

HMH's secure cloud-based data management system and digital products comply with applicable laws and the standards of educational technology, including FERPA, PPRA, COPPA, and CIPPA, and we adhere to state-specific pledges. The Privacy Policy for HMH PreK–12 Products, posted at <https://www.hmhco.com/policy/prek-12-products-privacy-policy>, governs our privacy practices and procedures with respect to Personal Information users submit or that we collect in connection with our digital products and resources. Additionally, we received ISO/IEC 27001:2022 and ISO/IEC 27701:2019 Certifications in June 2025 that demonstrate our commitment to implementing information security controls and best practices for protecting assets, processes, and technology.

vii. Browser and OS support

The HMH Ed teaching and learning platform is a web-based infrastructure and compatible with computing devices that use the browsers and operating systems defined at <https://support.hmhco.com/s/article/Browser-and-Operating-System-Compatibility-for-Ed-The-HMH-Learning-Platform-ThinkCentral-and-my-HRW-com>.

b. LMS is a generic term for platforms like Canvas, Google, and Schoology. A software platform designed to manage, deliver, and track educational courses, training programs, or learning and development initiatives. It provides educators with tools to create and organize content, manage student enrollments, track progress, assess performance, and facilitate communication between instructors and learners. LMSs often include discussion forums, assignment submissions, quizzes, grading, and reporting.

HMH digital applications are compatible with multiple third-party single sign-on (SSO), rostering, and learning management system (LMS) vendors and platforms. The HMH Ed platform has an active 1EdTech LTI Advantage (LTI v1.3) certification. Our HMH Ed-Canvas LTI Advantage and HMH Ed-Schoology integrations include LTI v1.3 Launch, Identity, Deep Linking, and Grade Pass Back of assessment scores. Technical or district administrators can set up an LTI connection between HMH Ed and the Canvas or Schoology LMS using the HMH Ed Linking Tool. The HMH Ed Linking Tool allows teachers to find assignable content and assessments on HMH Ed and create links for those items in the LMS. Students can then access their assignments from inside the LMS, and the scored assessment results are shared back from HMH Ed to the Canvas or Schoology gradebook.

As an alternative to our HMH Ed-Canvas LTI Advantage and HMH Ed-Schoology integrations, HMH Core products are available in the 1EdTech Common Cartridge Standard for use in LMS platforms via a set of technical specifications created by 1EdTech. All HMH Common Cartridge deliverables (CC/TCC) include assessments packaged as QTI v2.1. Our Common Cartridge program packages combine the high-quality curriculum in a format for use in 1EdTech-compliant LMS platforms, contain files that bundle deep-level links to all program resources, accessed via an LTI v1.0 launch, and displayed in an iFrame on the LMS platform.

Our Google Classroom feature enables teachers to assign resources to HMH Ed and Google Classroom, share e-Reader content to their Google Classroom, create assignments and have them automatically posted to their Google Classroom, copy program content to their Google Drive, and mirror assignments and scores to Google Classroom. Students can access the assignments in HMH Ed or Google Classroom, and the assignment status and scores are shared between the two platforms.

We offer customers a robust collection of in-depth, 24/7 online technical instructions and resources for LMS connections at the following links:

- Canvas: <https://support.hmhco.com/s/article/Canvas-Resources>
- Schoology: <https://support.hmhco.com/s/article/Schoology-Resources>
- 1EdTech Common Cartridge:
<https://support.hmhco.com/s/article/Common-Cartridge-Product-Information>
- Google Classroom: <https://support.hmhco.com/s/article/Google-Classroom-Resources>

c. ClassGather offers customers access to their digital instructional materials through direct integrations with publisher platforms. As a certified integration partner, ClassGather supports roster exchange with publishers via OneRoster (CSV or API) and SSO access via SAML, oAuth, or LTI. Through automated resource assignment, access to digital titles is provisioned at the time of purchase, so student and teacher access “just works” without additional content or integration configuration.

For SSO, we offer connections with SAML (i.e., ADFS, Entra ID), Google SSO, OpenID Connect, and third-party vendors using these solutions, such as Clever and ClassLink. Please see

http://downloads.hmlt.hmco.com/Help/ImportMngmt/Administrator/index.htm?#t=SSO%2FAbout_Single_Sign_On_SSO.htm&rhsearch=sso&rhhlterm=sso&hsyns=%20 for instructions on setting up SSO with HMH Ed. Schools/school districts using ClassLink SSO need to contact helpdesk@classlink.com to start the setup process.

The HMH Rostering Service enables customers to roster to multiple HMH platforms using one data stream—providing an efficient process and expanding access to rostering partners. Our best-in-class methods—Clever and ClassLink—allow schools/school districts to automate rostering via OneRoster API. We also support OneRoster CSV and other methods described at <https://support.hmhco.com/s/article/roster>.