

## 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**.

The image shows a digital interface for the HMH Science Dimensions program. On the left, a large image of a forest with the title 'Photosynthesis' overlaid. Below it, a box titled 'CAN YOU EXPLAIN IT?' contains text about colonizing other planets. On the right, a 'UNIT 3 Matter and Energy in Living Systems Unit Project' is displayed, featuring sections for 'Overview and Planning', 'UNIT 3 Focus', 'Suggested Materials', and 'Safety'.

### 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

# 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.

## 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.

## 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](#) 

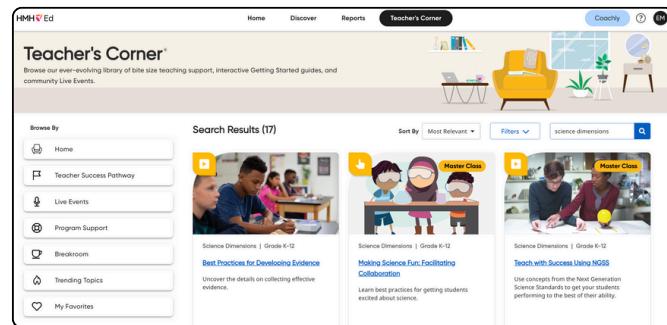
### Differentiate Instruction

**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 FADH<sub>2</sub> are. The NADH and FADH<sub>2</sub> are electron carriers that are used to make ATP.

### Teacher Support



The screenshot shows the 'Teacher's Corner' section of the HMH Science Dimensions platform. The search results for 'science dimensions' are displayed, showing three items: 'Science Dimensions | Grade K-12 Best Practices for Developing Evidence', 'Science Dimensions | Grade K-12 Making Science Fun: Facilitating Collaboration', and 'Science Dimensions | Grade K-12 Teach with Success Using NGSS'. Each item has a thumbnail image and a brief description.

### 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

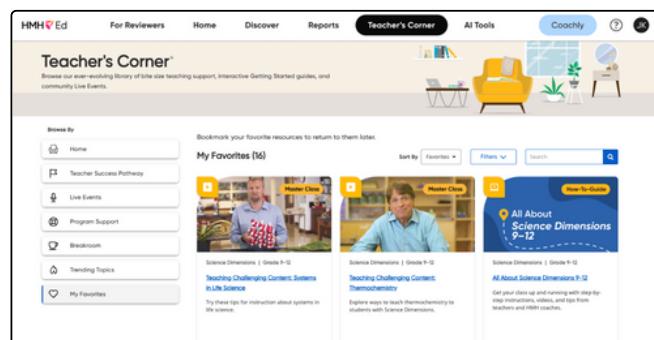
*HMH Science Dimensions* for Mississippi!

Learn more at: [hmhco.com/sciencedimensions](http://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.

### All About Science Dimensions 9-12

A screenshot of the 'All About Science Dimensions 9-12' page. On the left, a sidebar lists categories: 'INTRODUCTION TO SCIENCE DIMENSIONS' (Introducing Science Dimensions, Previewing your Science Content and Standards), 'EXPLORING SCIENCE DIMENSIONS' (Navigating Online Resources, Exploring Your Teacher Edition, How Students Experience Science Dimensions), and 'TEACHING SCIENCE DIMENSIONS' (Planning to Teach Science Dimensions, Teaching with 5E: Engage, Teaching with 5E: Explore and Explain, Teaching with 5E: Elaborate). The main content area is titled 'Introducing Science Dimensions'. It features a large image of two students in a classroom. Below the image, the text reads: 'Science Dimensions® promotes a higher-quality science learning experience through a learning-by-doing and claims-evidence-reasoning approach to science education.' A section titled 'Student-centered focus' explains: 'Rather than giving students the answers or making the learning too easy, Science Dimensions takes a student-centered approach. Students are given a scenario or puzzle they must figure out. This way, students become a lot more active with trying to solve a problem, which deepens learning in the process.' At the bottom, there is a photo of students in a classroom and the text: 'Students learn more when they have hands-on experience with what they're learning. All activities in'.



# ***HMH Science Dimensions<sup>®</sup>***

## ***Biology***

### **Mississippi Free with Order Packages**

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**

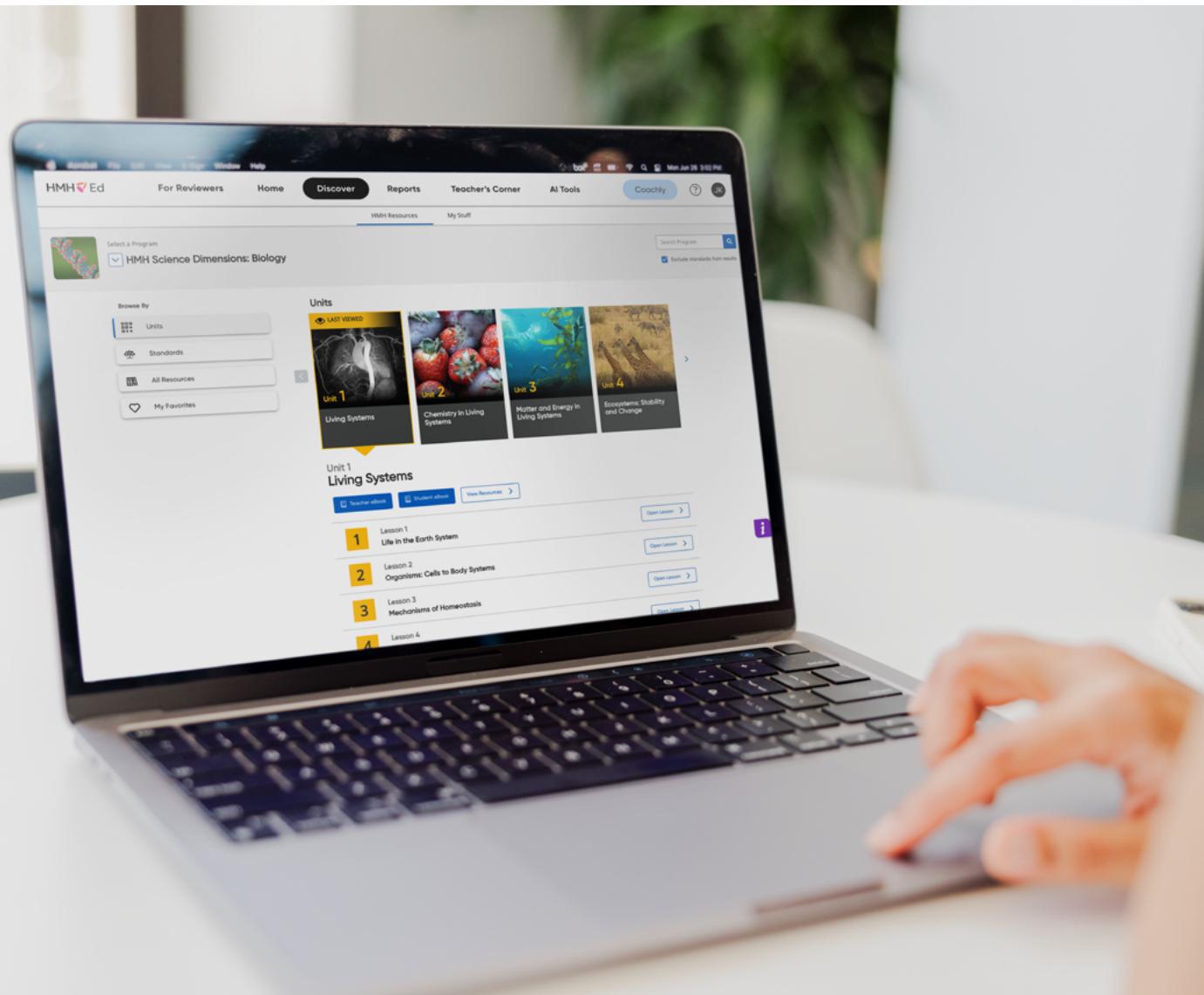
A Teacher Resource Package is provided free with the purchase of 75 Student Resource Packages.

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



# Mississippi Digital Walkthrough Guide

Biology and Earth & Space Science



# Explore our digital components on HMH Ed

## What's inside

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- 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

Start Here

1

HMH Ed

For Reviewers

Home

Discover

Reports

Teacher's Corner

AI Tools

Coachly

?

JK

Welcome to Your Review Of

## Science Dimensions and Dimensiones de las Ciencias

Get started using the Walkthrough Guide on the right.

2 Select Grade:

Science Dimensions: Biology

3 View Content

4

Student Edition: Biology

View the Student Edition

Student Edition

HMH Science Dimensions Biology

View the Teacher Edition and correlations to NGSS standards.

Teacher Edition

Correlations

Biology

Scope and Sequence

HMH Science Dimensions

[View Scope and Sequence](#)

### 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

The screenshot shows the HMH Science Dimensions content interface. At the top, there is a navigation bar with links for HMH Ed, For Reviewers, Home, Discover (which is highlighted in a black button), Reports, Teacher's Corner, AI Tools, Coachly, and a user profile icon. Below the navigation bar, there are tabs for HMH Resources and My Stuff. A search bar and a checkbox for 'Exclude standards from results' are also present. The main content area is titled 'Select a Program' and shows a dropdown menu with 'HMH Science Dimensions: Biology' selected. A large yellow arrow points to this selection. To the left, there is a sidebar titled 'Browse By' with options for Units (selected), Standards, All Resources (numbered 2), and My Favorites. The main content area is titled 'Units' and shows four units: Unit 1 (Living Systems), Unit 2 (Chemistry in Living Systems), Unit 3 (Matter and Energy in Living Systems), and Unit 4 (Ecosystems: Stability and Change). A yellow arrow points to Unit 1. Below this, a section titled 'Unit 1 Living Systems' is shown with three lessons: Lesson 1 (Life in the Earth System), Lesson 2 (Organisms: Cells to Body Systems), and Lesson 3. Each lesson has an 'Open Lesson' button. A purple 'i' icon is in the top right corner of this section. A large black circle with the number 1 is over the 'Discover' button, a large black circle with the number 2 is over the 'All Resources' button, a large black circle with the number 3 is over the 'Ecosystems' unit, and a large black circle with the number 4 is over the 'Unit 1 Living Systems' section.

## 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

## 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

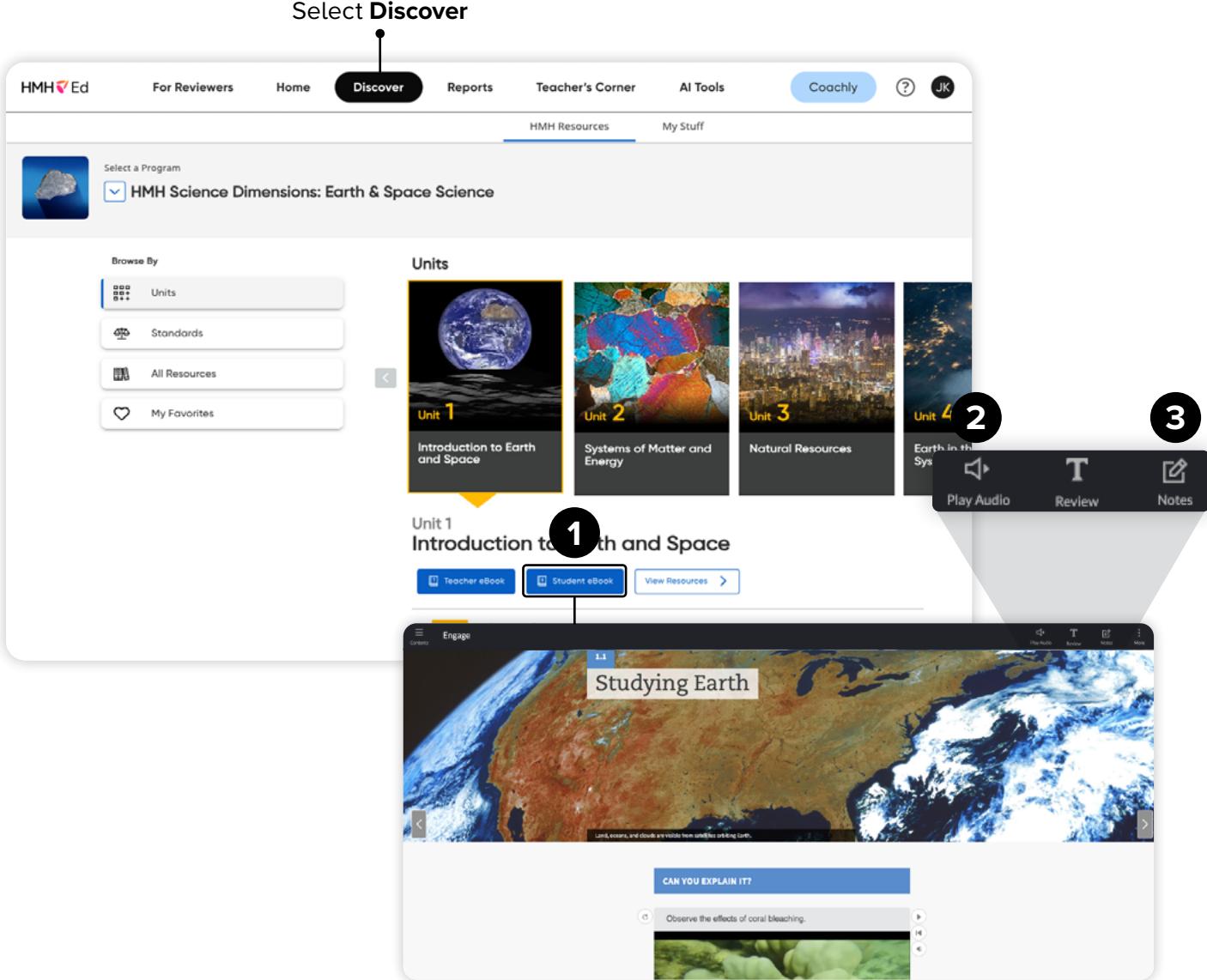
Quickly access each unit and its corresponding lessons, Unit Connections, Unit Practice and Reviews, and Unit Performance Tasks.

## 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



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

Browse By  Units Standards All Resources My Favorites

Units

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

1

Play Audio Review Notes

1

2

3

Engage

1.1 Studying Earth

Land, oceans, and clouds are visible from satellites orbiting Earth.

CAN YOU EXPLAIN IT?

Observe the effects of coral bleaching.

## 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**

1

2

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

Select a Program  
HMH Science Dimensions: Earth & Space Science

Search Program  Exclude standards from results

Browse By

- Units
- Standards
- All Resources
- My Favorites

Featured Categories

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

Show Me Everything

## 1 All resources

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

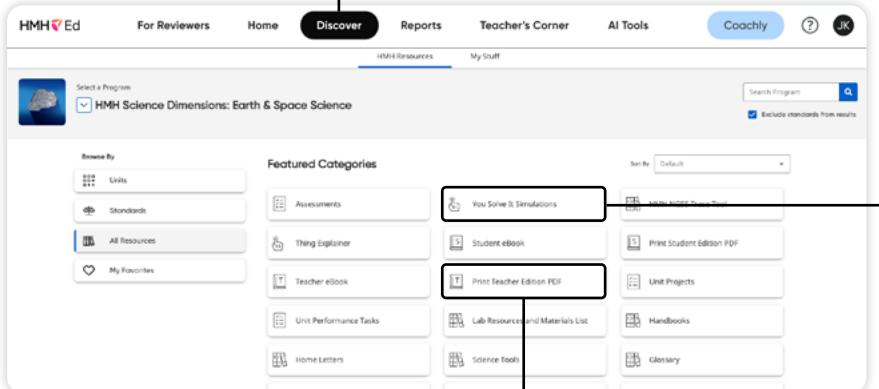
## 2 Search bar

★ Pro tip

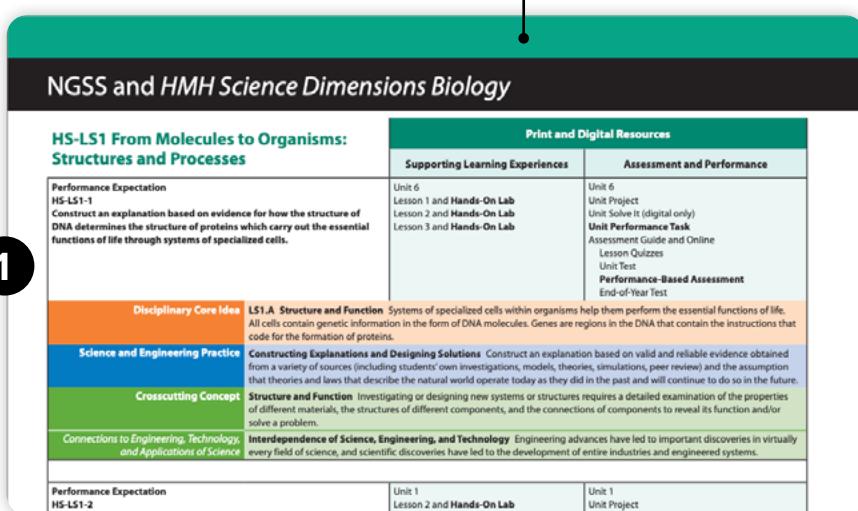
Use the search bar as another way to find the exact resource or content you are looking for. Try searching “You Solve It”.

# Unit resources (cont'd)

## Select Discover



The screenshot shows the HMH Ed Discover interface. At the top, there are tabs for 'HMH Ed', 'For Reviewers', 'Home', 'Discover' (which is highlighted in black), 'Reports', 'Teacher's Corner', 'AI Tools', and 'Coachly'. Below the tabs, there's a search bar with 'Search Program' and a dropdown for 'Sort By: Default'. A box labeled 'Select a Program' contains 'HMH Science Dimensions: Earth & Space Science'. On the left, there's a sidebar with 'Browse By' options: 'Units', 'Standards', 'All Resources' (which is selected and highlighted with a blue border), and 'My Favorites'. The main area is titled 'Featured Categories' and includes 'Assessments', 'Thing Explainer', 'Student eBook', 'Teacher eBook', 'Unit Performance Tasks', 'Lab Resources and Materials List', 'Home Letters', 'You Solve It! Simulations' (which is highlighted with a blue border), 'Print Teacher Edition PDF' (which is also highlighted with a blue border), 'Unit Projects', 'Handbooks', and 'Glossary'. A callout box points to the 'Print Teacher Edition PDF' button.



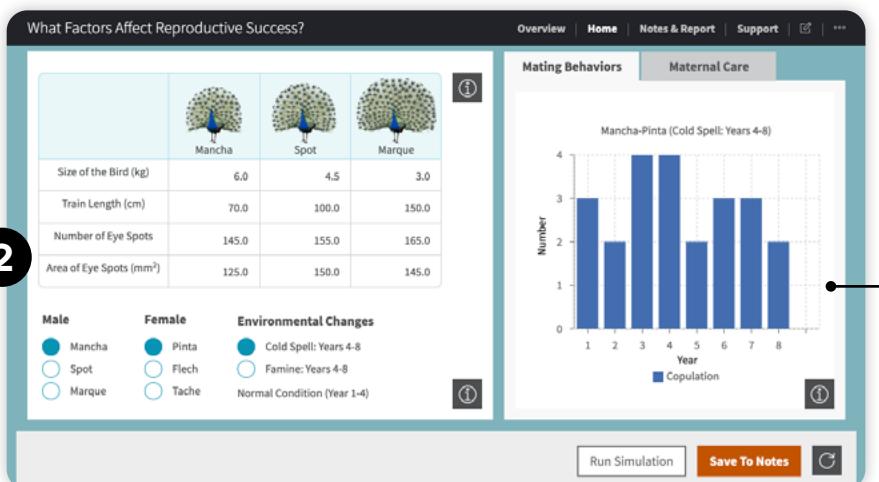
The screenshot shows the NGSS and HMH Science Dimensions Biology page for HS-LS1. At the top, there's a title 'HS-LS1 From Molecules to Organisms: Structures and Processes'. Below it, there's a table with four rows: 'Disciplinary Core Idea' (LS1.A Structure and Function), 'Science and Engineering Practice' (Constructing Explanations and Designing Solutions), 'Crosscutting Concept' (Structure and Function), and 'Connections to Engineering, Technology, and Applications of Science' (Interdependence of Science, Engineering, and Technology). The table has columns for 'Supporting Learning Experiences' and 'Assessment and Performance'. A callout box points to the 'Print Teacher Edition PDF' button in the Discover interface above.

## 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

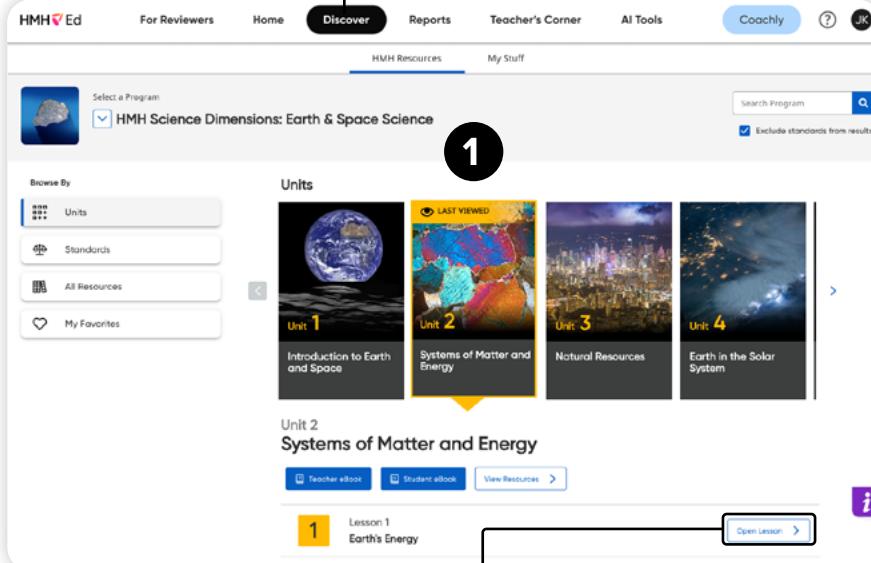
You Solve It! computer simulations provide engaging lab experiences for students to use technology like a scientist uses technology.



The screenshot shows the 'What Factors Affect Reproductive Success?' simulation. It has two main sections: 'Mating Behaviors' and 'Maternal Care'. In the 'Mating Behaviors' section, there's a bar chart titled 'Mancha-Pinta (Cold Spell: Years 4-8)' showing the number of copulations per year (Year 1 to 8). The chart shows a general downward trend from year 1 to 8. A callout box points to the 'Print Teacher Edition PDF' button in the Discover interface above. The 'Maternal Care' section shows three bird brains labeled 'Mancha', 'Spot', and 'Marque' with different patterns of eye spots. Below the brains is a table with data for 'Size of the Bird (kg)', 'Train Length (cm)', 'Number of Eye Spots', and 'Area of Eye Spots (mm²)' for three categories: Male, Female, and Environmental Changes (Cold Spell: Years 4-8, Famine: Years 4-8, Normal Condition (Year 1-4)). A legend at the bottom identifies the bird types by color: Mancha (dark blue), Pinta (light blue), Spot (light blue), Fletch (light blue), Marque (light blue), and Tache (light blue). Buttons at the bottom include 'Run Simulation', 'Save To Notes', and a 'G' icon.

# Unit structure

Select Discover



1

2

3

4

5

Open

Assign

Add to My Lessons

Copy to Google Drive

View Details and Standards

## 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



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

# Class planning

Select Home

1

Welcome, Jon!

Find support here for every step of your teaching journey, from getting started, to planning and pacing, to exploring the platform and your programs.

My Classes

Sort by Class Name A-Z Manage Rosters

- Period 1 Science
- Period 2 Science
- My Sample Class Science

For You

Get Your Bearings Checklist Use your classes to learn about programs and explore training.

My Teacher Success Pathways Science Dimensions 6-12

Self-paced training to prepare you for planning, teaching, and assessing with your HMH programs. Earn Certificates of Completion as you progress.

2

Class Overview

Period 1 Science and Health

Explore My Programs

HMH Science Dimensions 6-12

Use these curated resources to get started. Find more in Discover.

My Training Pathway

Quick Start Guide

Scope and Sequence

3

Assignments

Groups

Students

Class Settings

Program Settings

Class Settings

Manage My Assignments

Due Today

Needs Grading

Overdue

1

2

3

## 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

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

1 Assessment Report

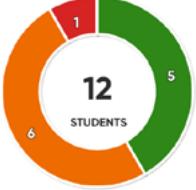
2 Customize This Report

## 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.

Assessment Proficiency

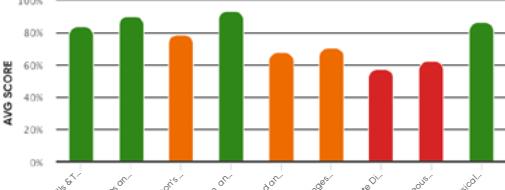
All Students | ALL DATES



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

Assessment Average

All Students | ALL DATES



Subject	Avg Score
Skills & Tech.	80%
Forces on...	85%
Newton's...	75%
Motion on...	90%
Speed and...	65%
Changes...	68%
Solar System	58%
Adjectives...	62%
Physical...	82%

Assessment Performance

Student	Student Average Score	Jul 8 2024	Mar 26 2025	Mar 26 2025	Mar 26 2025
All Students	66.37%	Beginning-of-Year Readiness Check	66.67%	62.96%	66.67%
Champlin, Daron	53.92%	70.37%	47.37%	55.56%	55.56%

PREVIEW REPORTS 1

Assessment Summary Report

Assessment Proficiency

Assessment Average

Assessment Performance

Customize This Report

Export CSV Print Report

## 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

1

2

3

**Select Reports**

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

Assessment Report Standards Report Growth Report Program Activity Report

Reports & Insights

## Standards Report for All Students

Showing data for the Achieve HMH NGSS Three Dimensions - Science - 2018 standards set with the content level of 5 for All Students for All Types of assessments within ALL programs that were taken between Sept 12024 and Feb 28 2025.

Customize This Report Print Report Roster View

Class Subject Student

Class 5 Science and... All Students Where does this data come from?

PS2 Grade 7 Class Average: 75% for this domain See Performance by Standards

0% 65% 80% 100%

Below-Level (5) On-Level (10) Above-Level (5)

LS1 Grade 7 Class Average: 80% for this domain

0% Below-Level

LS2 Grade 7 Class Average: 82% for this domain

Domain Performance

Create Group

7 Students (Above-Level)

LK Kramer, Liz 83.2%

KV Veum, Kennedy 91.0%

See Performance by Standards

See Performance by Standards

## 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

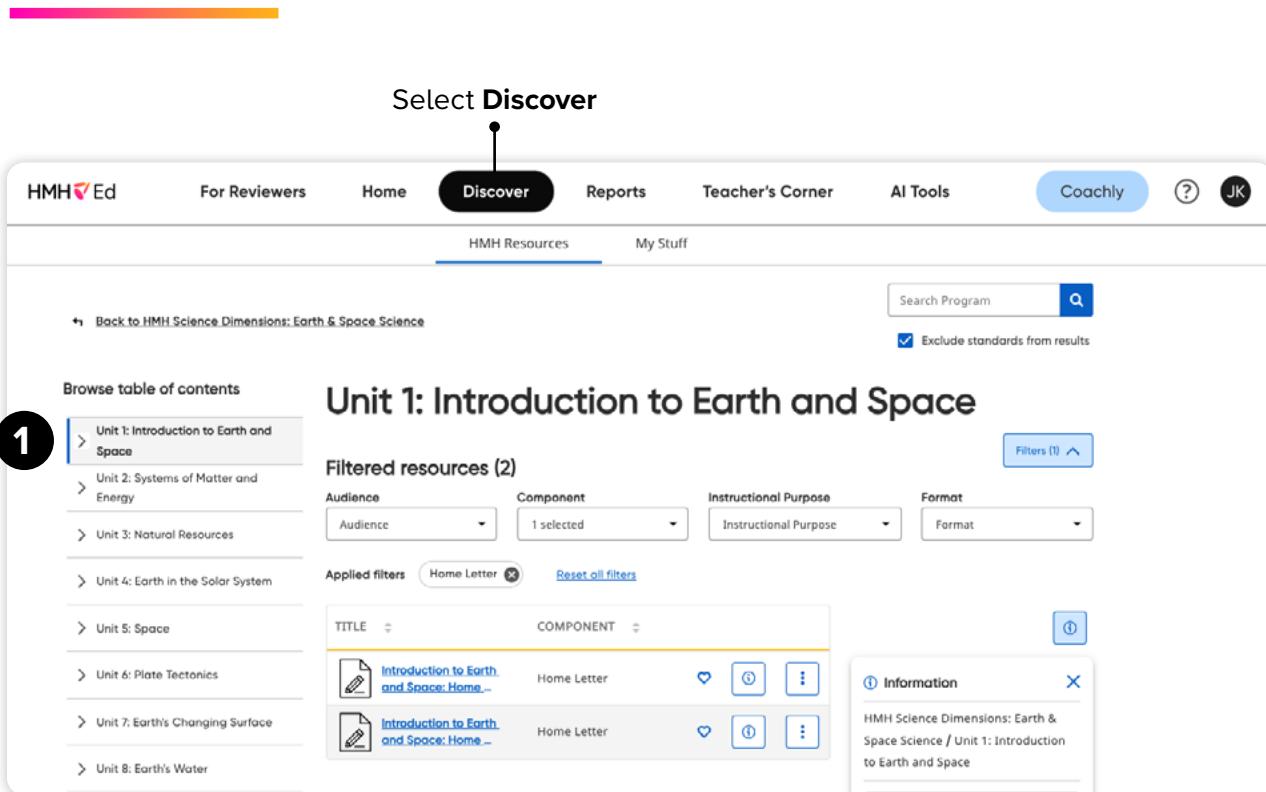
*HMH Science Dimensions* lessons, resources, and assignments can be seen by navigating to a standard and clicking “See Performance by Standards”.

## 3 Auto grouping

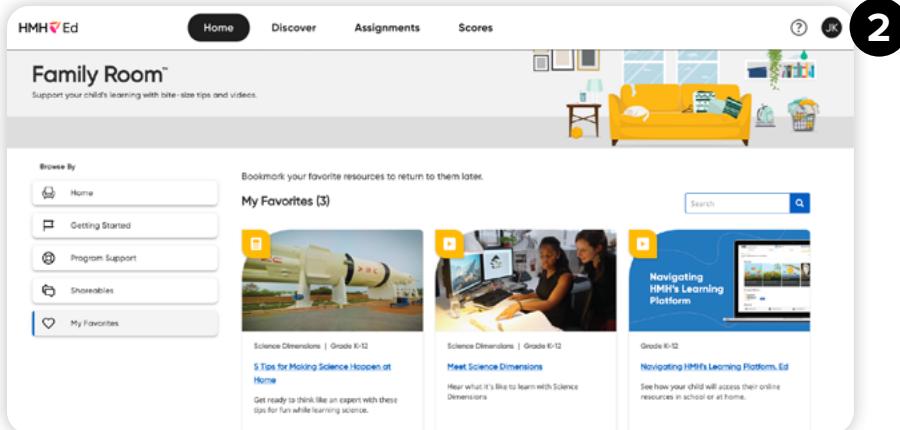
Teacher favorite

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

# Family and caregiver resources



The screenshot shows the HMH Ed platform interface. At the top, there is a navigation bar with links for 'HMH Ed', 'For Reviewers', 'Home', 'Discover' (which is highlighted in a black box with a white dot above it), 'Reports', 'Teacher's Corner', 'AI Tools', 'Coachly', and help icons. Below the navigation bar, there are two tabs: 'HMH Resources' (which is also highlighted in blue) and 'My Stuff'. A search bar with the placeholder 'Search Program' and a magnifying glass icon is located on the right. Below the search bar is a checked checkbox for 'Exclude standards from results'. The main content area is titled 'Unit 1: Introduction to Earth and Space'. On the left, there is a 'Browse table of contents' sidebar with a list of units from 'Unit 1: Introduction to Earth and Space' to 'Unit 8: Earth's Water'. To the right of the sidebar, there is a 'Filtered resources (2)' section with four filter dropdowns: 'Audience' (set to 'Audience'), 'Component' (set to '1 selected'), 'Instructional Purpose' (set to 'Instructional Purpose'), and 'Format' (set to 'Format'). Below the filters is a 'Applied filters' section with a 'Home Letter' filter and a 'Reset all filters' link. The results list shows two items: 'Introduction to Earth and Space: Home Letter' and 'Introduction to Earth and Space: Home Letter'. Each result has a preview image, a title, a component, and three action buttons. A modal window titled 'Information' is open, showing the details for the first result: 'HMH Science Dimensions: Earth & Space Science / Unit 1: Introduction to Earth and Space'.



The screenshot shows the 'Family Room' section of the HMH Ed platform. At the top, there is a navigation bar with links for 'HMH Ed', 'Home', 'Discover', 'Assignments', and 'Scores', and help icons. Below the navigation bar, there is a title 'Family Room' with a subtitle 'Support your child's learning with bite-size tips and videos.' To the right, there is a decorative illustration of a living room with a yellow sofa, a potted plant, and a window. The main content area is titled 'My Favorites (3)'. On the left, there is a 'Browse By' sidebar with categories: 'Home', 'Getting Started', 'Program Support', 'Shareables', and 'My Favorites'. The 'My Favorites' category is highlighted with a blue border. Below the sidebar, there are three items in a grid: 'Science Dimensions | Grade K-12' (with a thumbnail of a large telescope), 'Meet Science Dimensions' (with a thumbnail of two people working on a computer), and 'Navigating HMH's Learning Platform' (with a thumbnail of a laptop screen). Each item has a title, a brief description, and a 'Search' bar at the top right.

## 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

Select Teacher's Corner

1 Home

2 Teacher Success Pathway

3 Live Events

Program 1 selected Grade All Grades Topic All Topics Media Type All Media Type... Contributor All Contributor...

Search Results (17)

Sort By Most Relevant Filters (1) Search

Applied filters: Science Dimensions Reset All Filters

1. Teacher Success Pathway

2. Live Events

3. Program Support

4. Breakroom

5. Trending Topics

6. My Favorites

Science Dimensions | Grade K-12

Best Practices for Developing Evidence

Uncover the details on collecting effective evidence.

8m Video

Science Dimensions | Grade K-12

Making Science Fun: Facilitating Collaboration

Learn best practices for getting students excited about science.

8m Interactive

Science Dimensions | Grade K-12

Teach with Success Using NGSS

Use concepts from the Next Generation Science Standards to get your students performing to the best of their ability.

24m Video

## 1 Teacher Success Pathway



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.



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](https://www.hmhco.com/MS-sciencedimensionsreview)

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# **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](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](mailto: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>.