HMH Science Dimensions®

Reasons to Choose for Mississippi

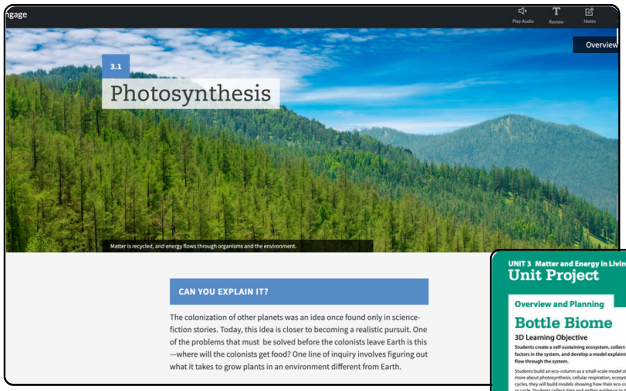
Biology and Earth & Space Science

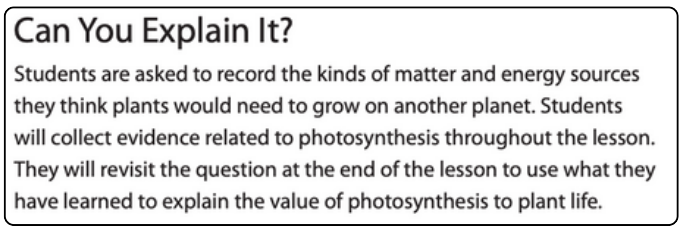
When it comes to choosing high-quality instructional materials for science, HMH® has Mississippi educators, leaders, and students covered! Through student-centered learning, rigorous practice, and differentiated supports, students will master the Mississippi College- and Career- Readiness Standards — 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.**





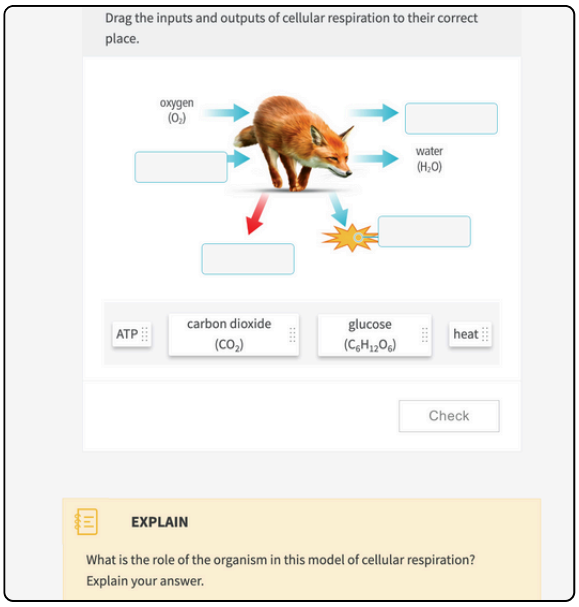
Phenomenon Storyline

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:

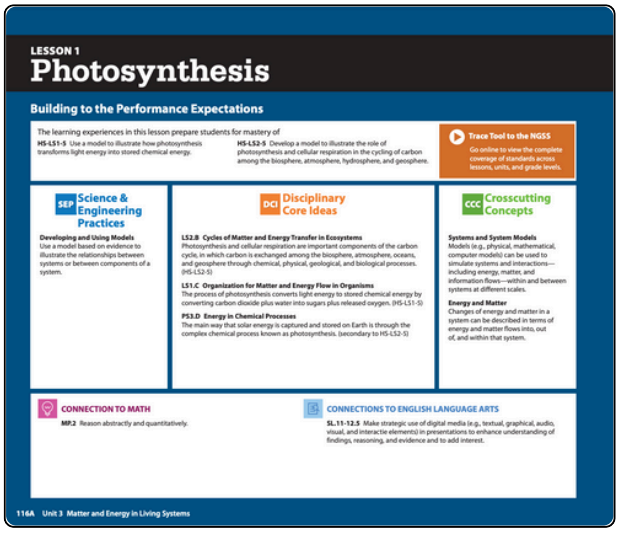
- Engages Students: **Hands-On Labs** and digital, open-ended simulations allow students to use technology as a scientist would.
- Anchoring Phenomenon: Every lesson begins with an **Anchoring Phenomenon**. Students begin by working with others to analyze what they already know about the phenomenon. 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

HMH Science Dimensions®

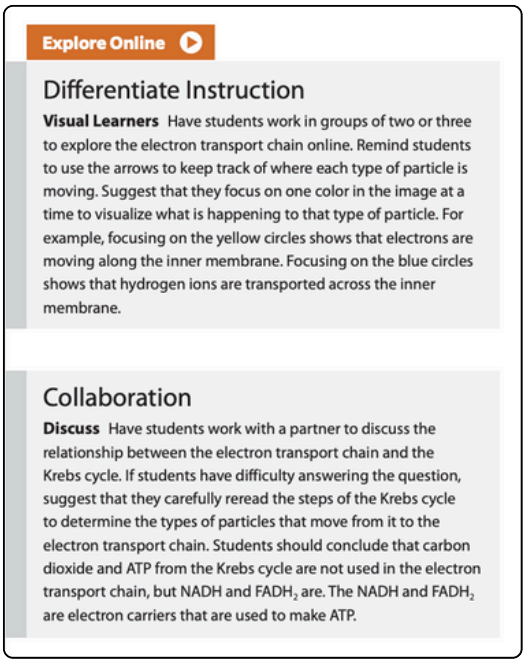
Usability

Teacher Supports & Assessment:

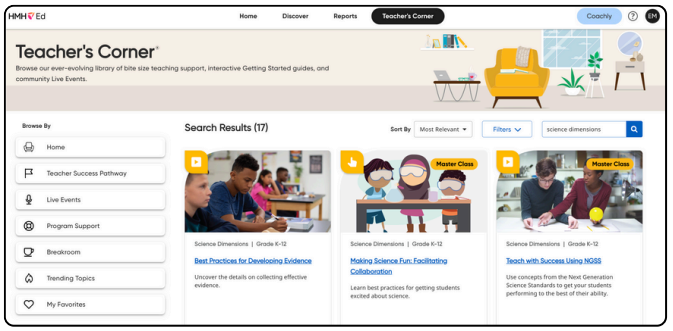
- Digital Planning and Instruction: Lesson resources are easily accessible and grouped where you can easily add items to a **digitized daily plan**.
- Point-of-Use Support: Print and digital materials clearly articulate how to implement *HMH Science Dimensions* including a **list of supplies** needed, **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:

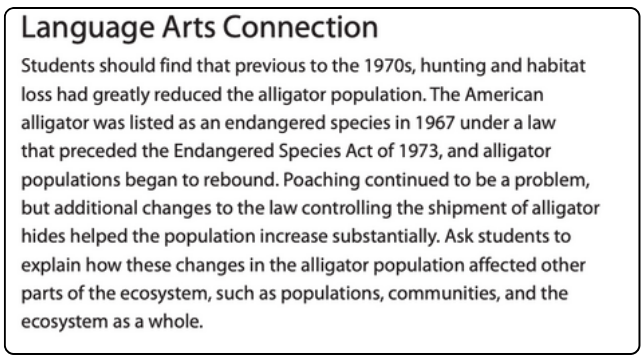
- Learning Aids: **Speech-to-text, audio,** helpful hints, feedback and more help students succeed daily.
- Extensions: Math and ELA activities, Unit Performance Tasks, Careers in Science, and Unit Connections activities **meet students' diverse needs and interests.**
- Multilingual Learners: Point-of-use **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.**



Teacher Support



On-Demand Professional Learning



Cross-Curricular Connections

Foster Collaborative, Critical-Thinking Scientists with
HMH Science Dimensions for Mississippi!
Learn more at: **hmhco.com/sciencedimensions**

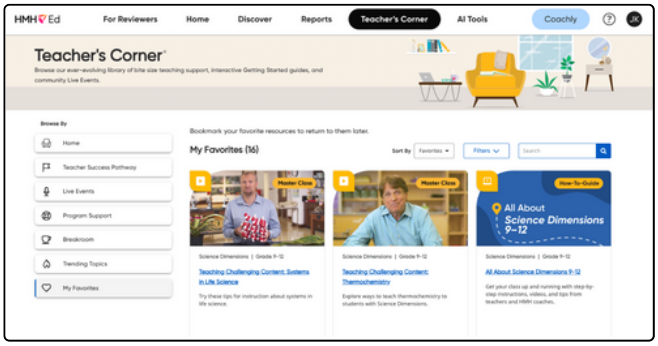
HMH Science Dimensions®

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.

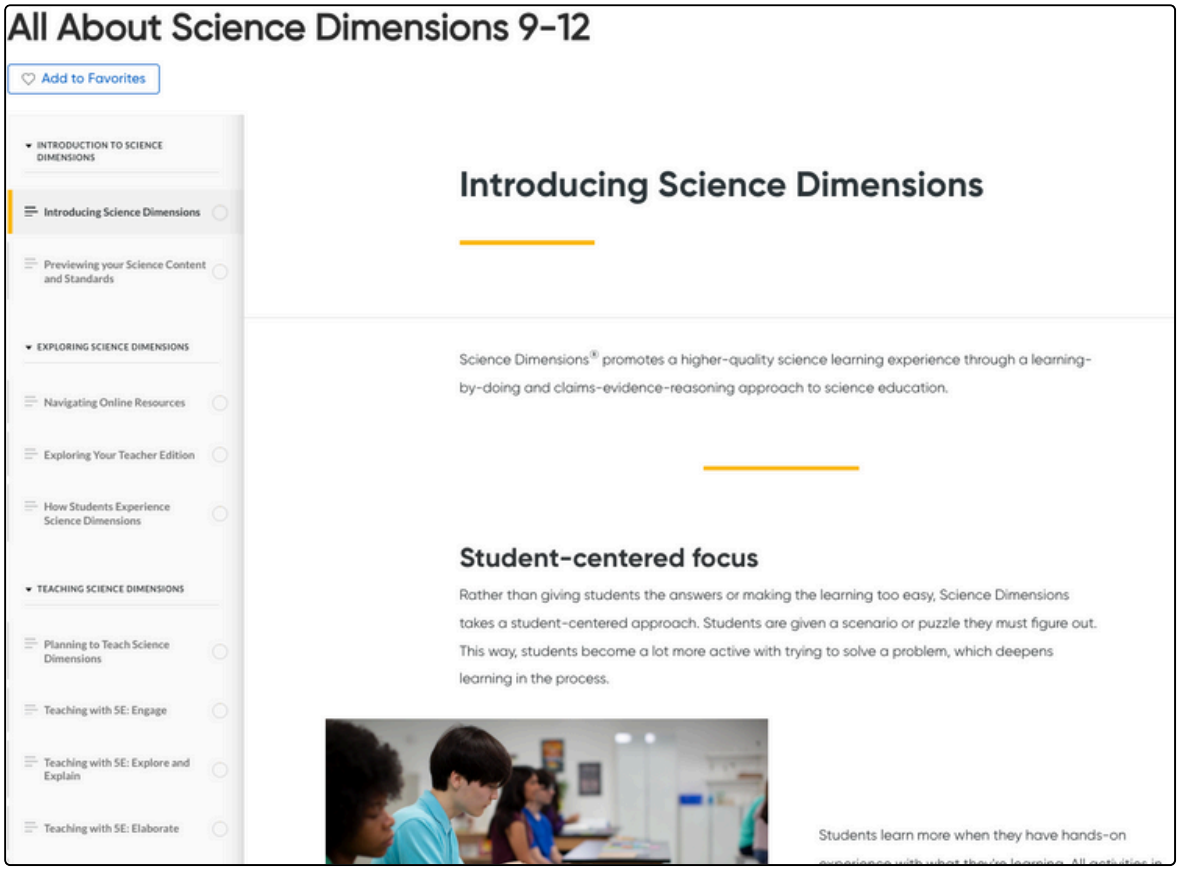
1

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.



HMH Science Dimensions®
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
Teacher's Corner® (Professional Learning)	Digital
Implementation Success (Professional Learning)	Digital

HMH Science Dimensions®

Mississippi Digital Walkthrough Guide

Biology and Earth & Space Science

HMH Science Dimensions®

Explore our digital components on HMH Ed

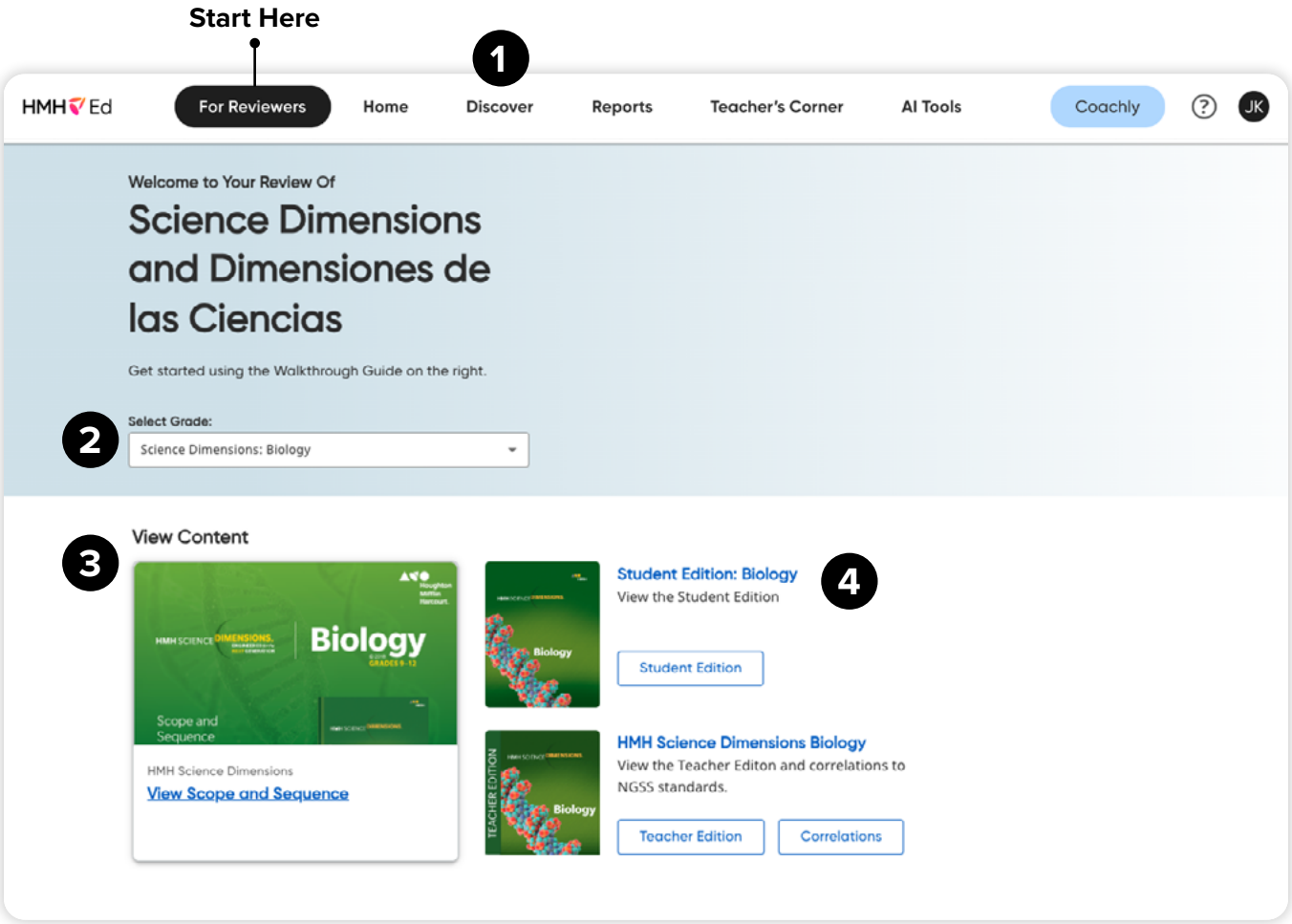
What's inside

Special alerts!

♡ Teacher favorite
☆ Pro tip
🔍 Dig deeper
Multilingual learners
Easy LMS integration

HMH Ed is updated based on user feedback. Some screens shared in this guide may vary slightly in appearance due to recent enhancements.

Reviewer overview



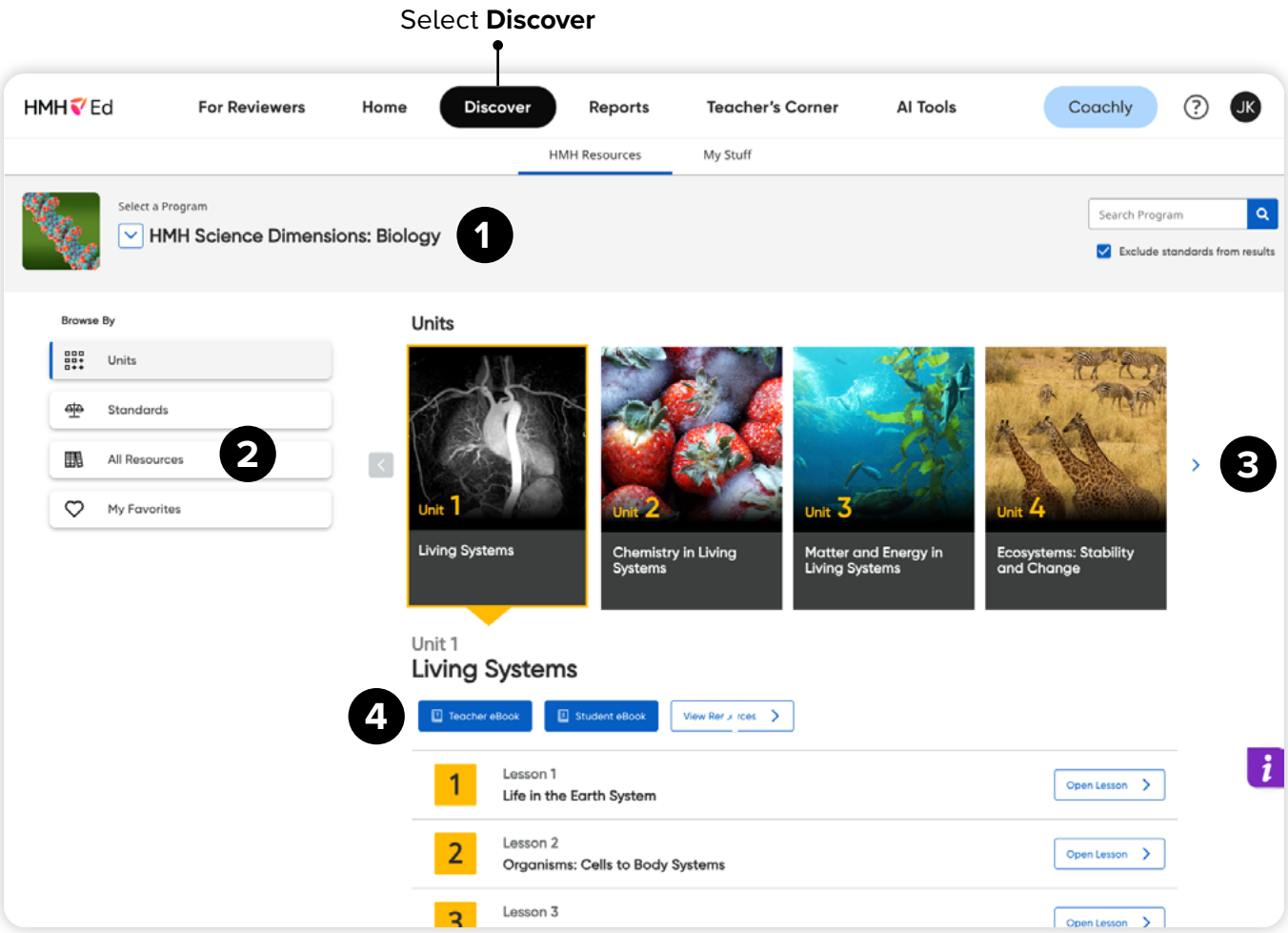
1 Review key components
View key *HMH Science Dimensions* components that correspond to your chosen grade level. To view all program resources, click "Discover" from the top menu.

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



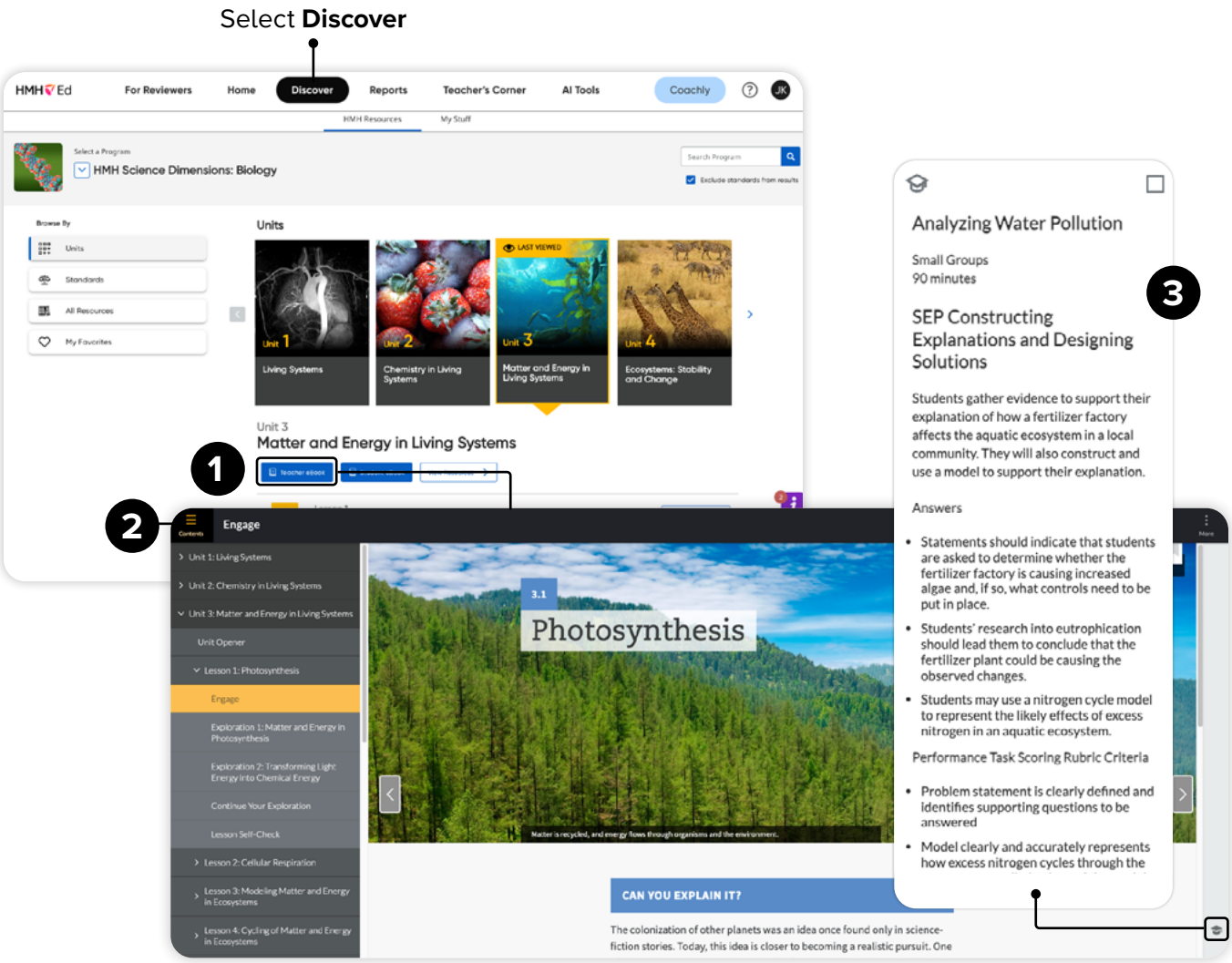
1 **Grade selection**
Find all *HMH Science Dimensions* grade levels in one place.

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



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.

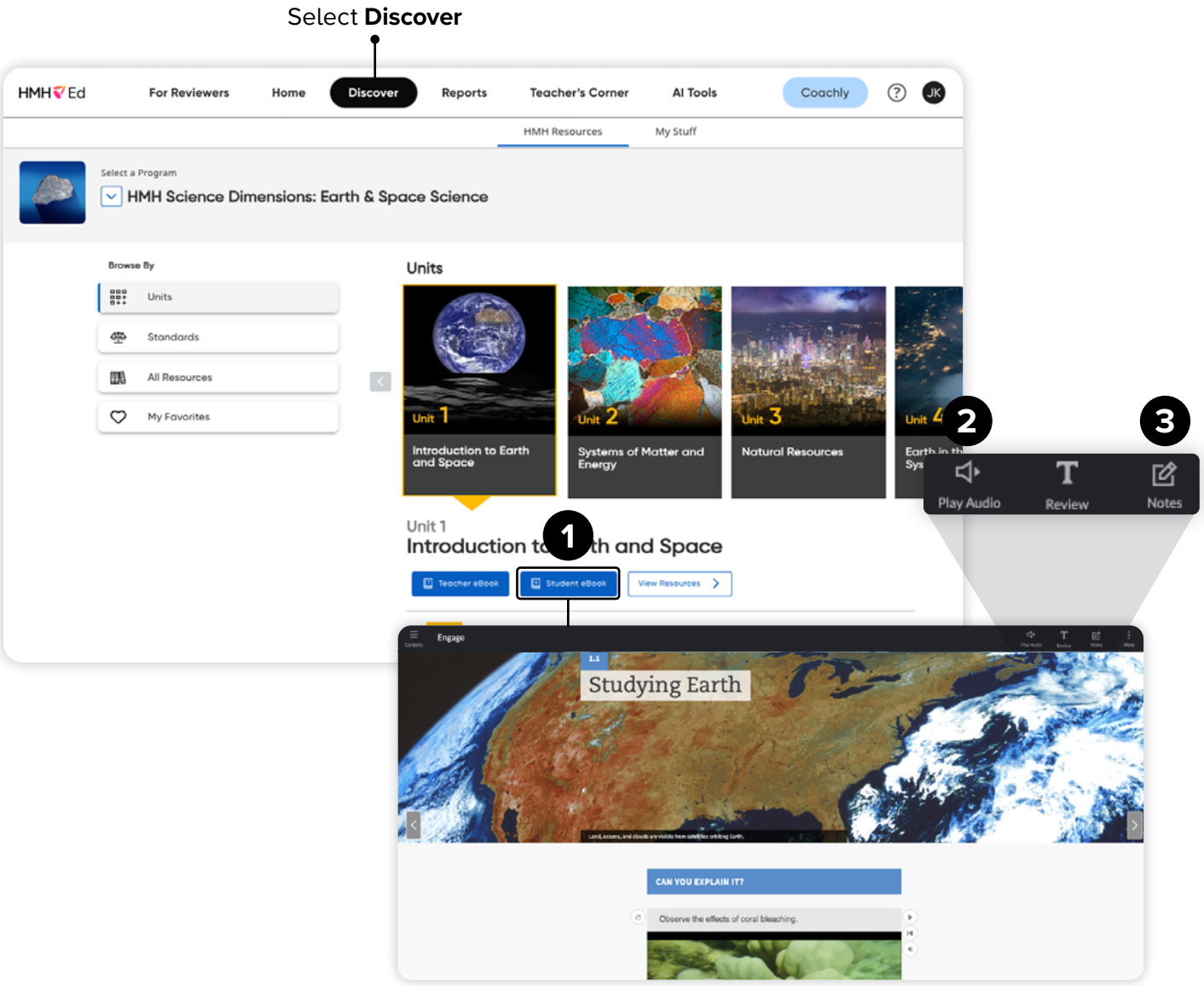
2 **Table of contents**
Quickly access each unit and its corresponding lessons, Unit Connections, Unit Practice and Reviews, and Unit Performance Tasks.

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.

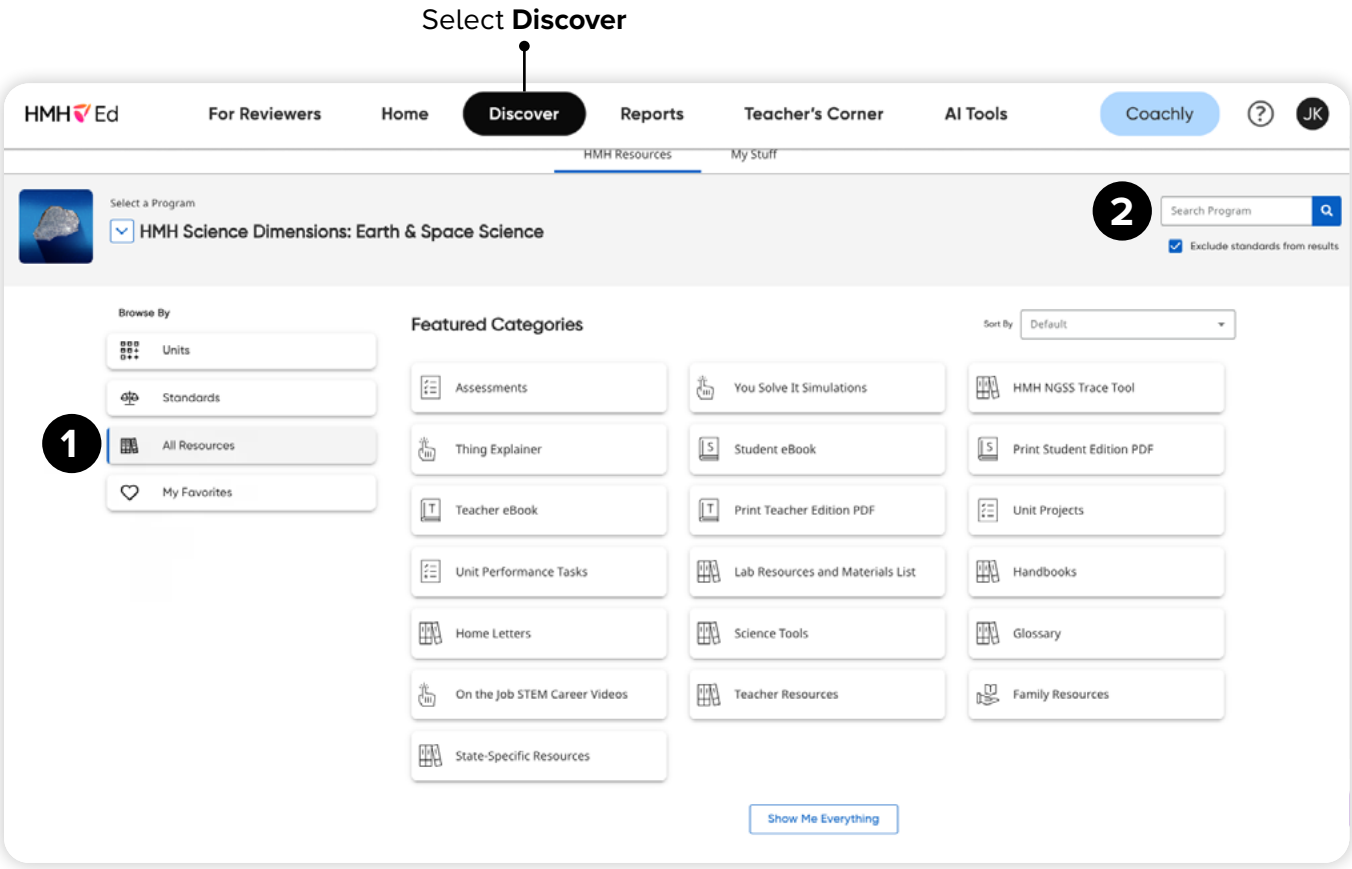
2 **Text to speech**

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



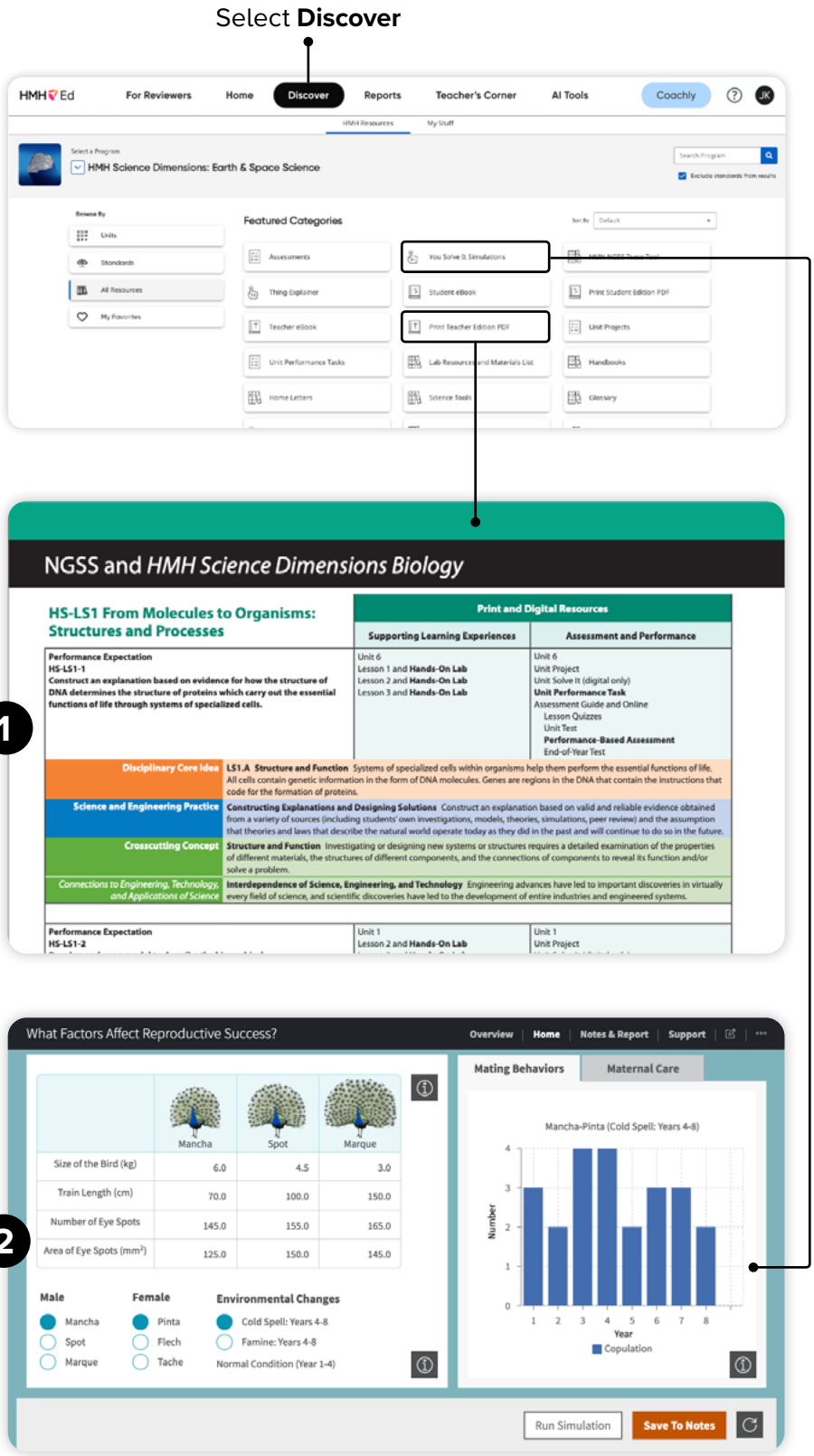
1 **All resources**
Find all your digital *HMH Science Dimensions* resources organized into featured categories and components.

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”.

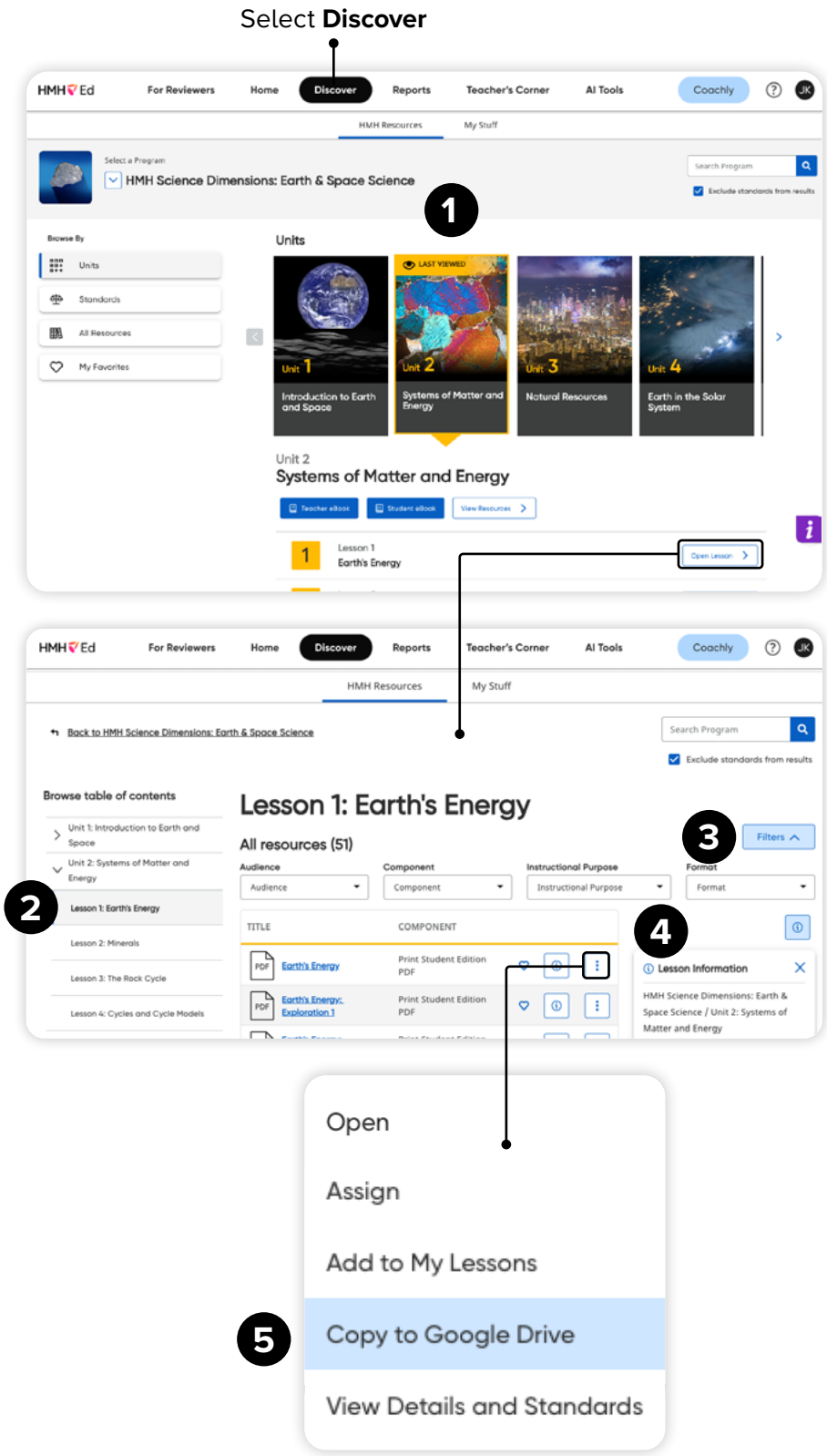
Unit resources (cont'd)



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.

Unit structure



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*.

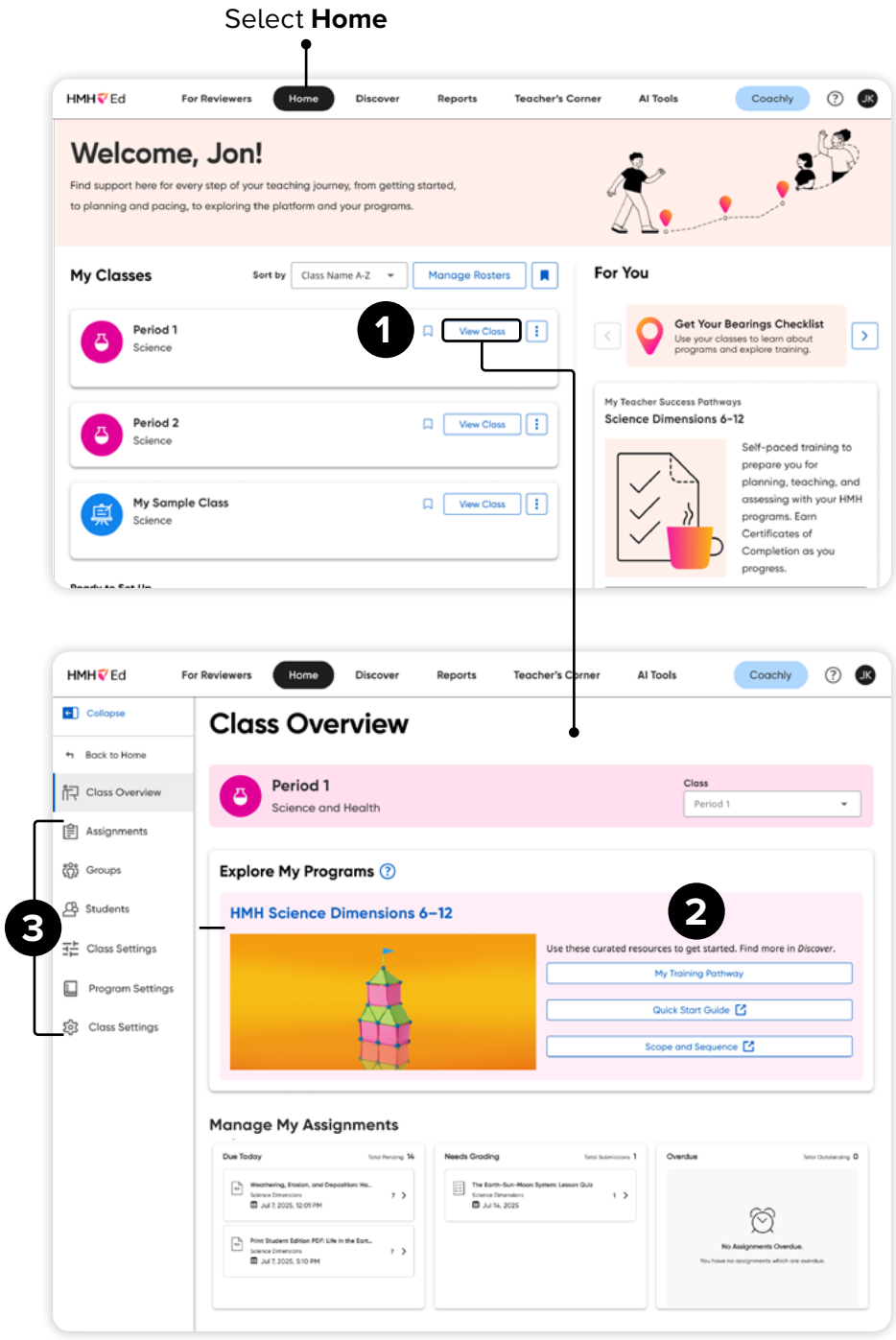
4 **Resource information**
Preview the component's most pertinent information before launching it. Then quickly assign or favorite the right resources for your students.

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



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

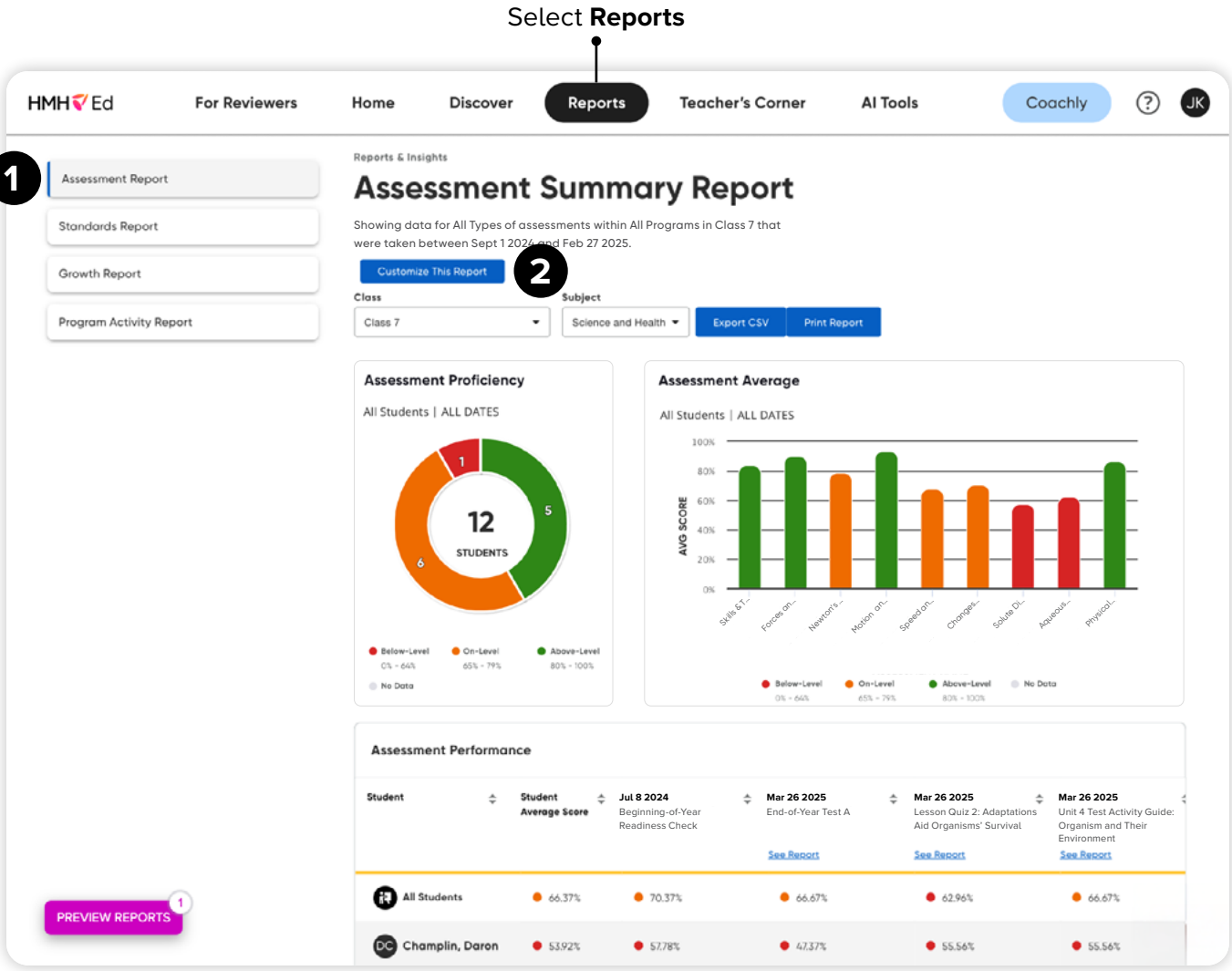
2 **Pertinent program resources**

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



1 Assessment report

Dig deeper

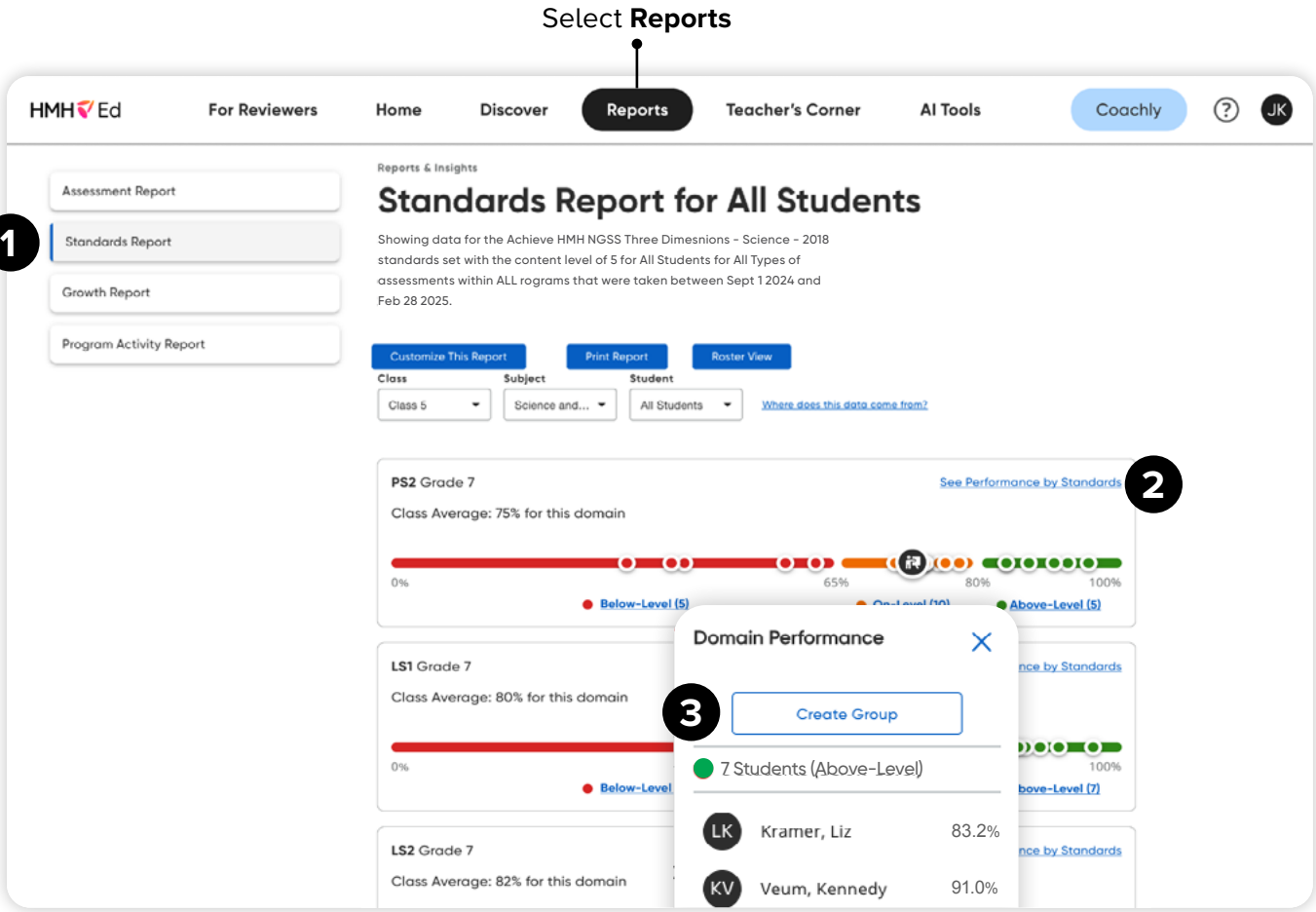
This report displays high-level reporting information for all students, cumulative assessment scores for individual students, and single test scores for individual students.

2 Customize reports

Customize based on:

- Program
- Assessment type(s)
- Period

Standards Report



1 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

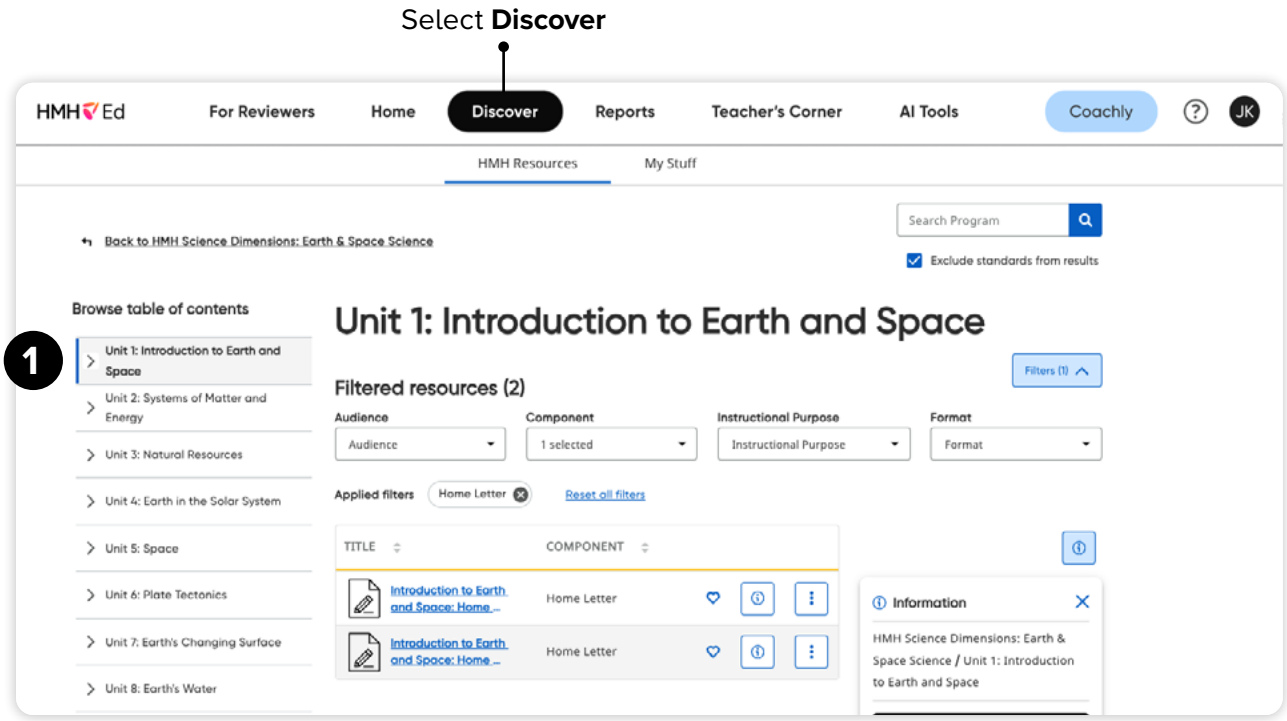
HMH Science Dimensions lessons, resources, and assignments can be seen by navigating to a standard and clicking “See Performance by Standards”.

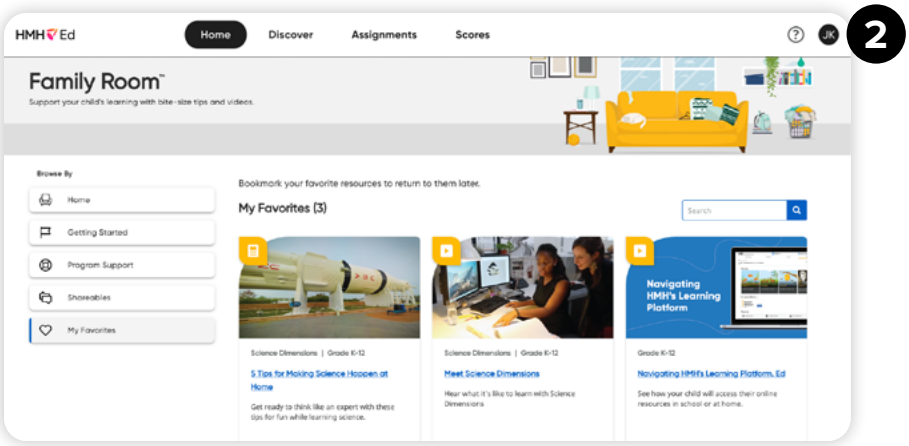
3 Auto grouping

Teacher favorite

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

Family and caregiver resources





1 School-to-Home support

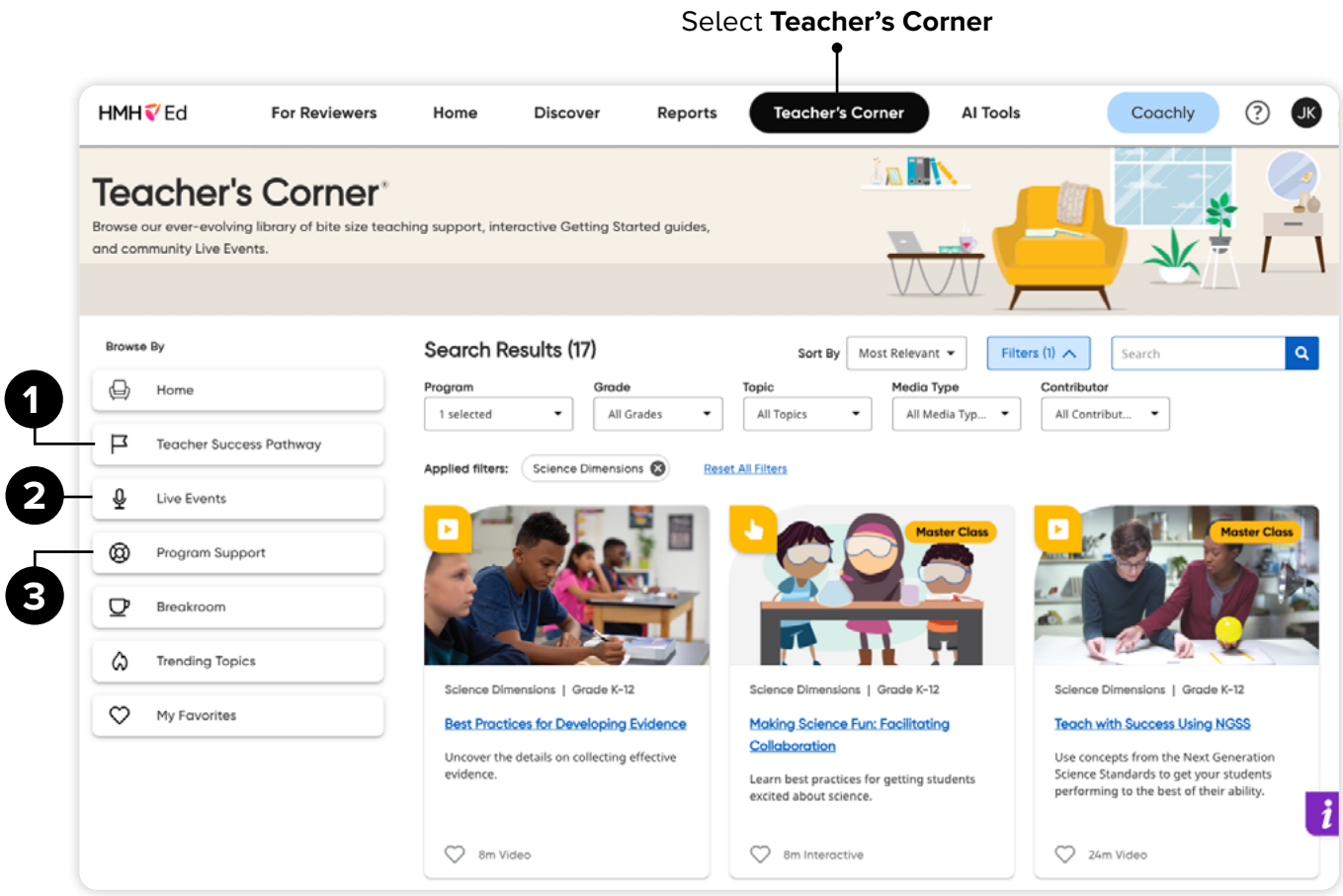
Multilingual learners

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.

HMH Science Dimensions®

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&rhsyns=%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.