

HMH SCIENCE DIMENSIONS... ENGINEERED for the NEXT GENERATION

Digital Walkthrough Guide

Grades K-12



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This reference is your guide to the online features and tools of *HMH Science Dimensions* ©2018.

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About HMH Science Dimensions

HMH Science Dimensions[™] © 2018–2019 is a brand-new, K–12 science program built specifically to address the Three Dimensions of Science Learning outlined in the Framework for K-12 Science Education and the Performance Expectations of NGSS. Built from a three-dimensional learning perspective, this program provides an authentic approach to increasing student achievement in science and preparing teachers for engineering instruction.

- Built from the ground-up around the integration of the Three Dimensions of Learning
- Unparalleled teacher support, including embedded professional development videos
- Integrated engineering content, with thought leadership from author and NGSS writer Dr. Cary Sneider
- Included access to the Teacher Guides for HMH Field Trips powered by Google Expeditions
- Performance-based assessments, plus rubrics to evaluate openended responses
- Investigation-driven activities and labs and engineering-based performance tasks





Meet Ed: Your Friend in Learning

Ed is a new online learning system that combines the best of technology, content and instruction to personalize the teaching and learning experience with HMH programs for every teacher and student. *Ed* is designed to be a friend to learners while supporting teachers and simplifying their instructional practice.



The Ultimate Online and Offline Experience

Additionally, program content can be accessed offline through the *HMH Player* ® app. This allows for maximum compatibility in 1:1 or in Bring Your Own Device learning environments and with the wide variety of technology that students have at home.



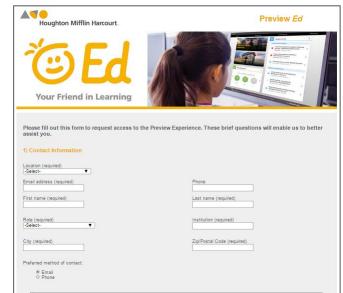


Creating an Evaluation Account

Creating an Evaluation Account

- 1. Go to hmhco.com/MeetEd.
- 2. Click the "Request Access" button.
- 3. Fill out the form, and in the drop down menu for "What subject do you wish to preview?" choose *HMH Science Dimensions*.
- 4. Click "Submit."
- 5. An HMH Account Executive will review your request and provide credentials to log-in to the online platform within 1-5 business days.





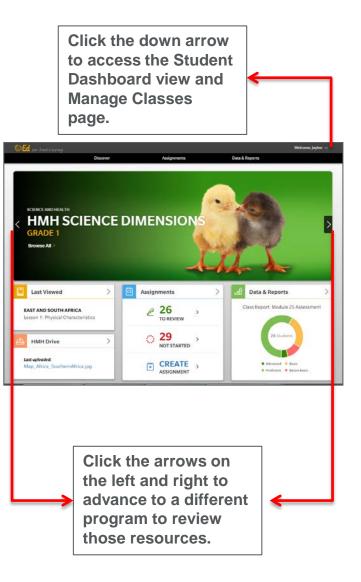
Navigating the Dashboard

Selecting Your Program

The *Ed* preview experience includes all of the *HMH Science Dimensions* samples in the order below:

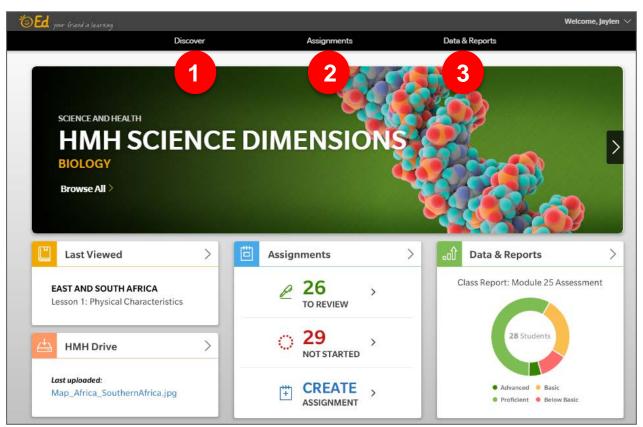
- High School Biology
- Grade 1
- Grade 2
- Grade 3
- Grade 4
- Grade 5
- Grade K
- Grades 6-8 Module A: Engineering & Science
- Grades 6-8 Module B: Cells & Heredity
- Grades 6-8 Module C: Ecology & the Environment
- Grades 6-8 Module F: Geologic Processes & History
- Grades 6-8 Module K: Forces, Motion & Fields
- Grades 6-8 Module L: Waves & Their Applications

NOTE: The High School Earth & Space Science and additional grades 6-8 modules will be available for preview on Ed in August 2017.



Teacher Dashboard

Designed for today's digital natives, *HMH Science Dimensions* offers you and your students a robust but intuitive digital online experience. **Explore now!**

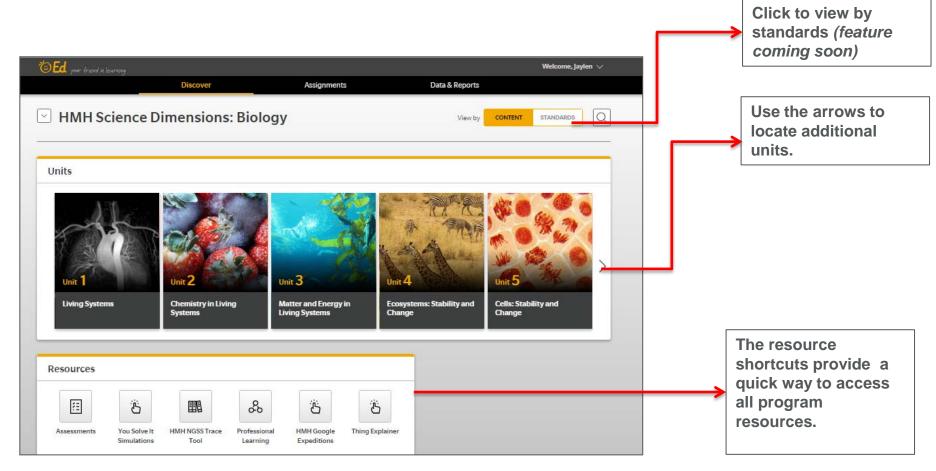


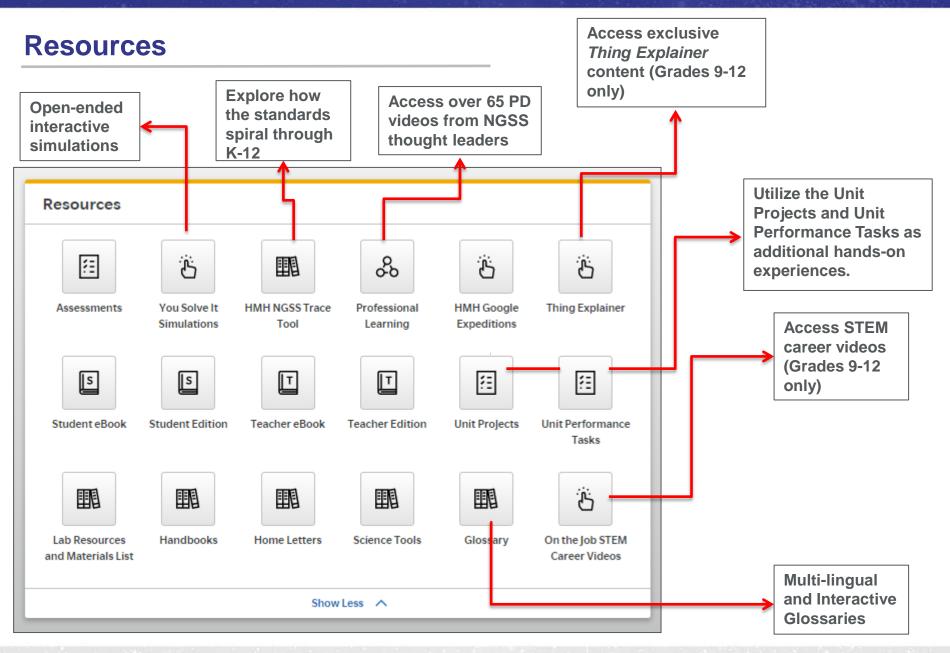
Your personalized Teacher Dashboard is organized into three main sections:

- 1. Discover— Quickly access content and search program resources.
- 2. Assignments—Create assignments and track progress of assignments.
- 3. Data & Reports— Monitor students' daily progress

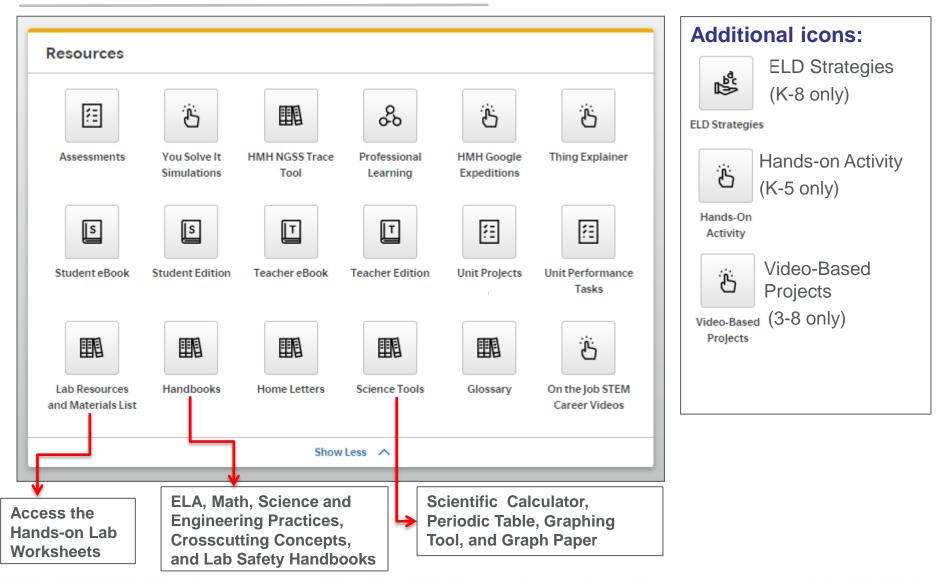
Discover HMH Science Dimensions

Discover allows you to view the Student and Teacher Editions, browse program resources, search content by standard, and access online assessments.

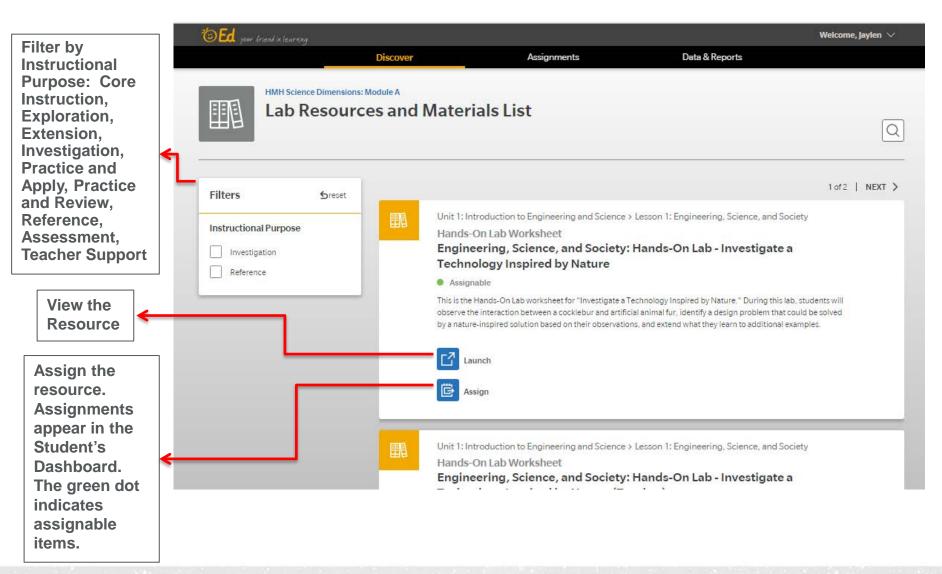




Resources, cont.

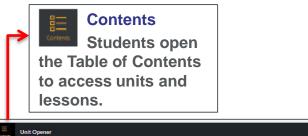


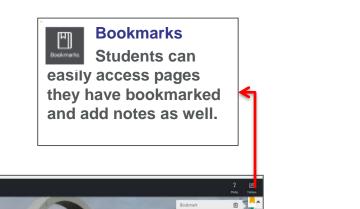
Assigning Resources



Navigating the Online Student Edition

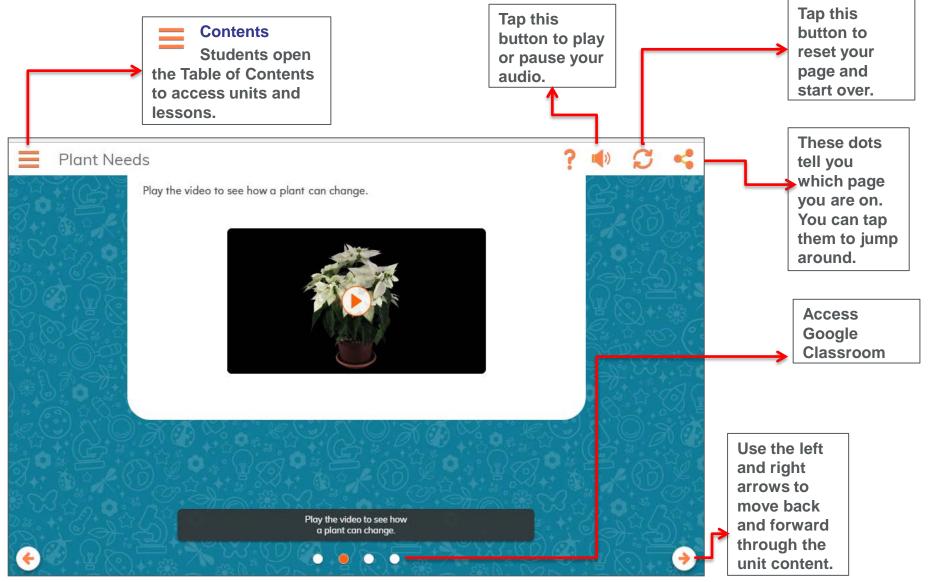
Grades 3-12 View







Grades K-2 View

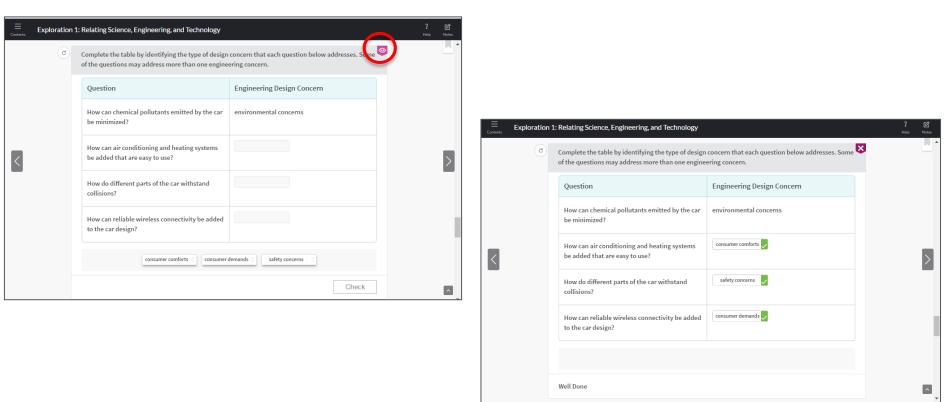


Teacher Resources

Using the Teacher eBook

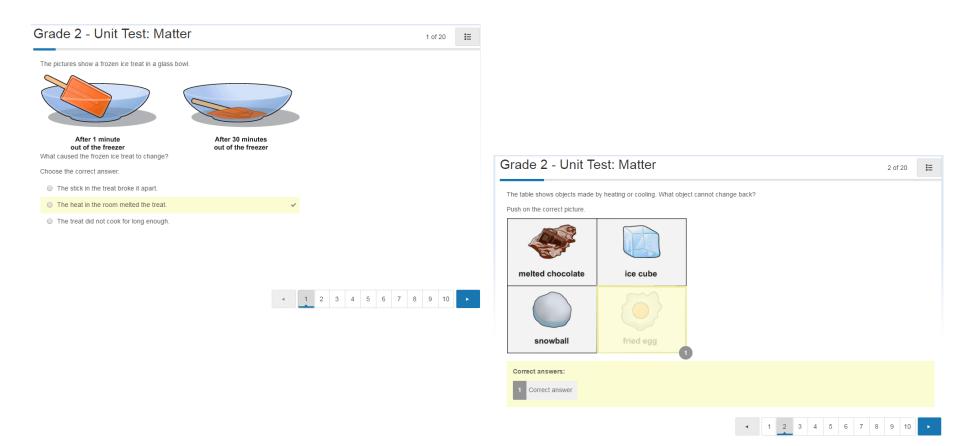
The navigation for the Teacher eBook is similar to that for the online student edition. You'll find the same navigation icons and features.

Additionally, you can click the pink eye icon to view answers to interactive formative assessment items.



Assessments

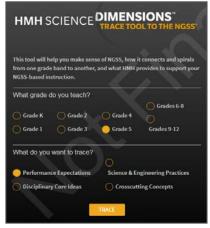
End-of-Year Tests (K-5 and 9-12), End-of-Module Tests (6-8), Unit Pretests, Lesson Quizzes, and Unit Tests are automatically scored for reporting to provide immediate feedback.

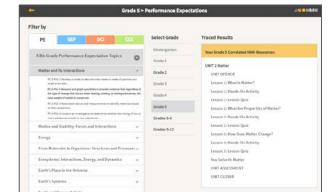


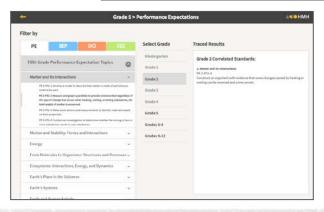
Using the Trace Tool

The Trace Tool provides you with a clear view of where all of the NGSS are addressed throughout the K to 12 grade span and the interrelationship among them.

- 1. Select a Grade.
- 2. Select what you would like to trace.
- 3. Expand the topic by selecting the downward arrow next to that title.
- 4. Select the standard to trace. When you select a standard and grade level, you are shown the resources in the grade you're currently exploring that relate to that standard.
- 5. Notice in the middle column under Select Grade that other grades are available. When you click on a different grade, you will see the standard in that grade that is related.
- 6. Use the PE, SEP, CCC, and DCI tabs to navigate through other standards.







Using the You Solve It Simulations

You Solve It simulations provide performance-based assessments in a digital setting. These minds-on activities allow you to measure student growth in the NGSS when you simply don't have time to set-up, conduct, and clean up a performance-based assessment in a lab setting.



Overview

This provides context and some basic instructions on using the open-ended simulation.



Simulation

This open-ended simulation gives students FULL control. They make their own choices on how to gather evidence or achieve a solution.



Support

The Support section includes background, tips, and a rubric.

HMH SCIENCE PIMENSIONS

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