

Reveal Algebra 1 • Geometry • Algebra 2

Digital Walkthrough and Feature Guide

Grades 9-12

Welcome to Reveal Math®

Reveal Math, a K–12 core math program, provides a truly active classroom experience through a seamless approach to blended print and digital delivery. With purposefully integrated technology and plentiful opportunities for students to explore, collaborate, and reflect, Reveal Math increases both student engagement and students' confidence in their math abilities.

For Students

- · Animations, videos, and interactive problems
- Rich exploratory digital tasks—the **Explore** activities
- Highly visual and dynamic Web Sketchpad® activities
- Interactive question types, like drag-and-drop, open response, and multiselect
- Personalized learning pathways with the power of ALEKS®
- · Desmos, the best-in-class graphing calculator
- Topic mastery practice through *LearnSmart*®



Interactive Presentation



Interactive problem



ALEKS®

For Educators

- Flexible implementation options, to meet low-tech and 1:1 classrooms and every classroom in between
- Ready-made, customizable classroom presentations
- Ability for teachers to add their own resources, including Google Classroom resources and hyperlinks to other internet resources.
- Easily assignable homework and assessments with in-the-moment performance data
- Auto-scoring of online homework
- Activity and Standards reports

Flexible Implementation Options for Every Classroom

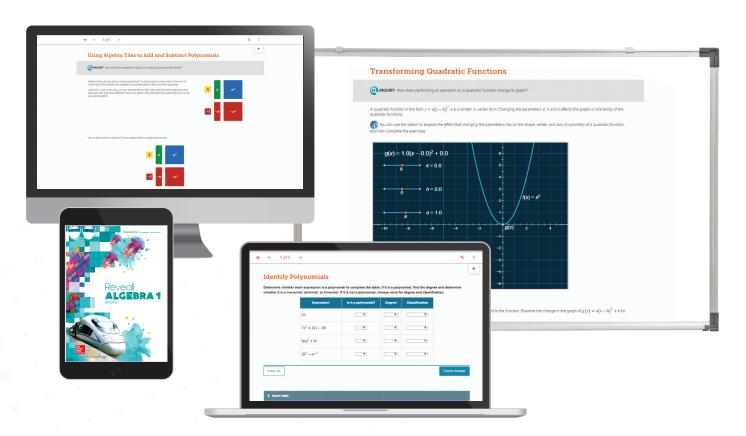
Reveal Math is built for McGraw-Hill's newest platform.

Benefits of this new digital learning experience include:

- Seamless print/digital delivery
- Clean, modern look and functionality
- Easy navigation

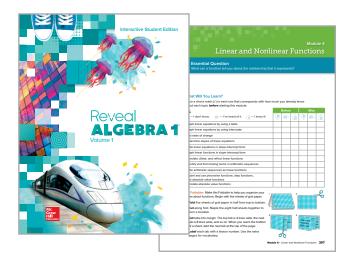
- Flexible and customizable lessons
- · Data-enabled decision-making
- · Accessible from any device, at any time

The digital resources in *Reveal Math* are optimized for use with an overhead projector, interactive whiteboard, laptop, desktop, or tablet. Educators can choose the delivery method that works best for their classrooms.



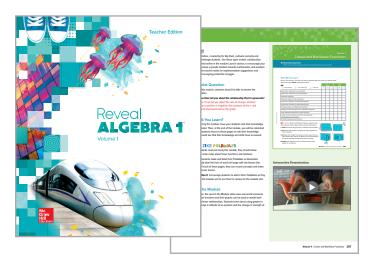
Get Ready to Explore the Potential of Reveal Math!

For the most useful review experience, plan to review the *Reveal Math* print and digital resources side-by-side.

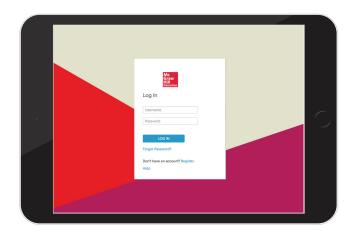


Open up the Interactive Student Edition, Volume 1 to Module 4.

(This guide shows images from Algebra 1 Module 4. You can follow the same steps for Geometry and Algebra 2.)



Open up the Teacher Edition, Volume 1 to Module 4.

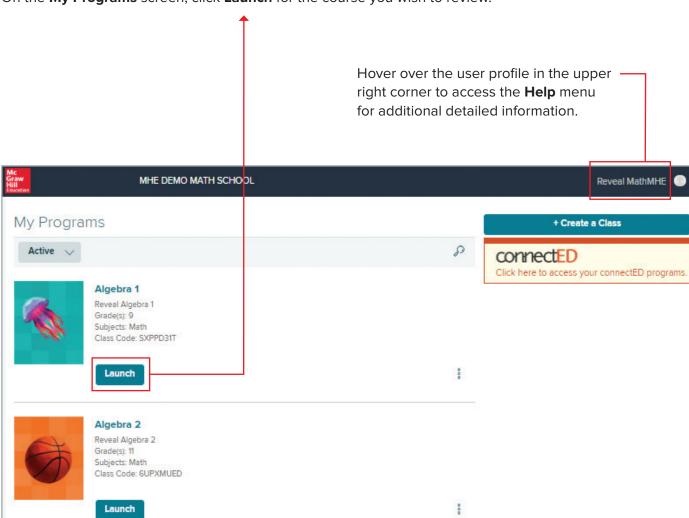


Go to revealmath.com/9-12 and click Sample Program Online.

Follow the instructions to access your trial and log in to the **Teacher Digital Center.**

My Programs

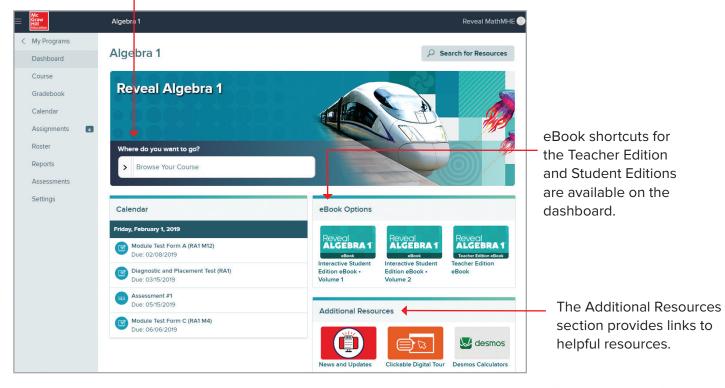
The **My Programs** dashboard shows all the classes assigned to a teacher. On the **My Programs** screen, click **Launch** for the course you wish to review.

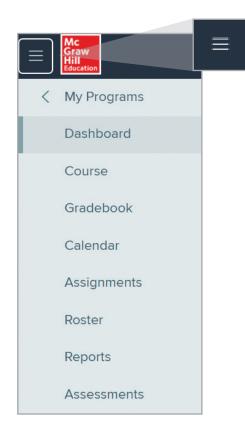


Dashboard

The **Dashboard** screen provides access to all of the teaching resources for the course.

Browse Your Course gives you access to modules and lessons.





The menu icon in the upper left corner closes and opens the left-hand resources menu.

This menu provides access to:

- My Programs Click to return to the list of classes.
- Dashboard Click to return back to the Dashboard page.
- Course View a Table of Contents to navigate to specific modules or lessons.
- Gradebook View student grades.
- Calendar Access and customize the class schedule.
- Assignments Create and view assignments to assign to all students or specific students.
- Roster Add students to the class, create student groups, and view student log-in history.
- Reports Review class or individual student progress against standards and progress within the course.
- Assessments Customize, create, and assign assessments.

Course Page

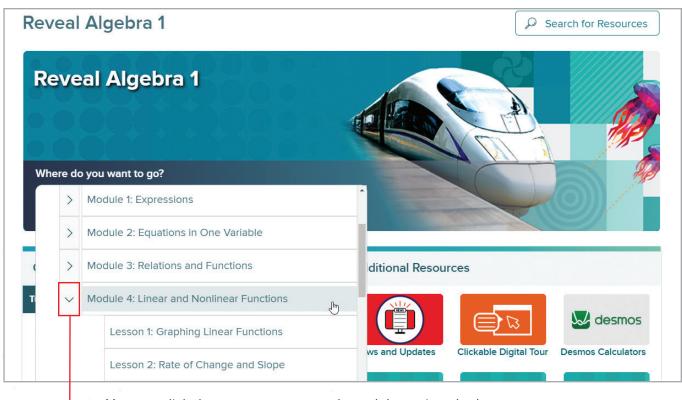
Select the **Course Navigation Menu** and depending on the course selected, click on one of the following modules.

Algebra 1 Module 4: Linear and Nonlinear Functions

Geometry Module 4: Transformations and Symmetry

Algebra 2 Module 4: Polynomials and Polynomial Functions

The images in this guide follow along with **Algebra 1 Module 4**, but you can follow the same steps for any course.



You can click the arrows next to each module to view the lessons.

Click on a Module title to go to the **Module Page** or click on the Lesson title to go to the **Lesson Page**.

Module Page

On the Module Page, teachers can access module-level resources beneath each menu.

Launch

- Ignite! Activity
- Module Pretest
- · Launch the Module Video

Review and Assess

- Cheryl Tobey Formative
 Assessment Math Probes
- Dynamic Module Practice (Practice questions that change values on each attempt)
- · Module Review
- Module Vocabulary Activity
- Module Vocabulary Test
- Leveled Module Tests (Digital and printable versions)
- Performance Task with Scoring Rubric

Additional Resources

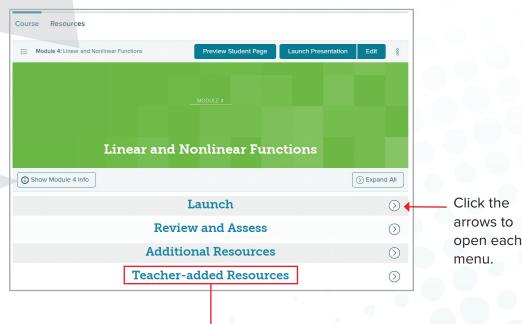
- Cultural Connections
- LearnSmart®

Module 4: Linear and Nonlinear Functions

Once you're done reviewing this module, you can use the **Course Navigation Menu** to go to any other module or lesson.

(i) Show Module 4 Info

Teacher information, like the lesson goal, suggested pacing, standards, and vocabulary, hides by default. Click the **Show Info** button to see it.

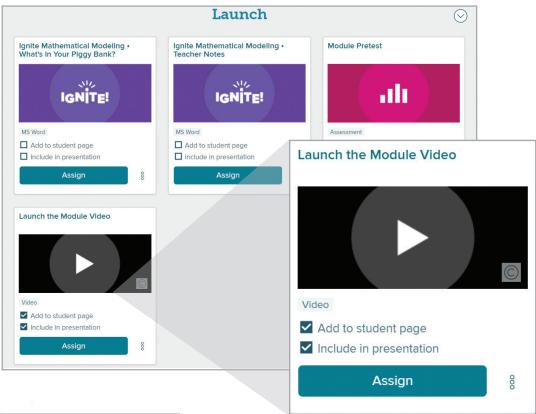


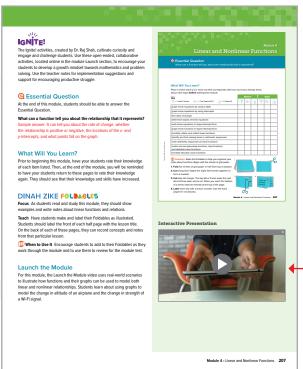
At the bottom of every **Module Page** and **Lesson Page** is an area where teachers can add their own resources. Once resources are added to the Module Page or Lesson Page, they can then be assigned, added to the Student Digital Center, or included in the presentations.

Feature Highlight: Launch the Module Video

Each module contains a **Launch the Module Video that presents** real-world math applications.

In the **Teacher Digital Center,** open the **Launch** menu and then click the tile for the **Launch the Module Video** to view it.



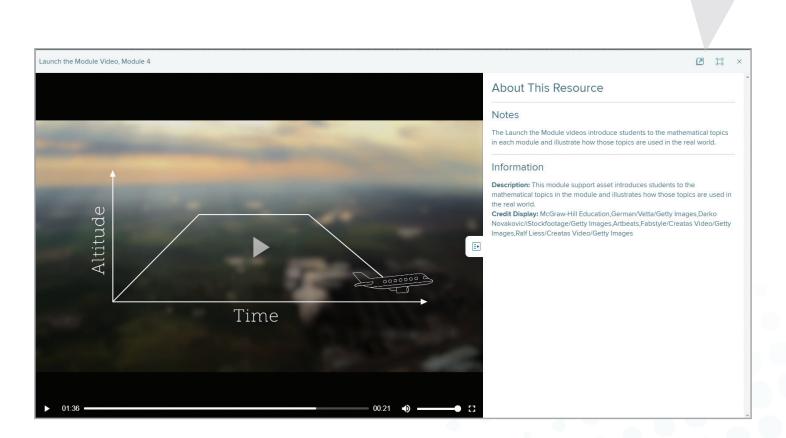


Take a look at the Teacher Edition for **Module 4.** You'll notice that it provides tips for when and how to integrate digital resources.

Resources that are part of the **Interactive Presentation** (a digital instructional tool), are highlighted in the sidebar of the
Teacher Edition. These resources can be displayed by the teacher or added to the student page so students can access them on their own devices.

Feature Highlight: Launch the Module Video, cont'd.

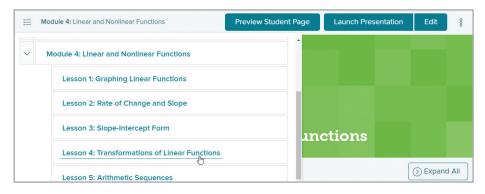
- Click to open the resource in a new tab.
- Click to view the resource in full screen mode.
- Click to close the resource window and return to the previous page.



Lesson Page

In the Course Navigation Menu, select a lesson to go to the Lesson Page.

This example shows Algebra 1 Module 4, Lesson 4.



On the **Lesson Page**, shaded menus correspond to the three-part instructional model: **Launch**, **Explore and Develop**, and **Reflect and Practice**. There is also a section for **Additional Resources** that includes resources for differentiation. Click the arrow next to each menu to see the resources in that section.

Launch

- Warm Up
- · Launch the Lesson
- Today's Standards
- Today's Vocabulary

Explore and Develop

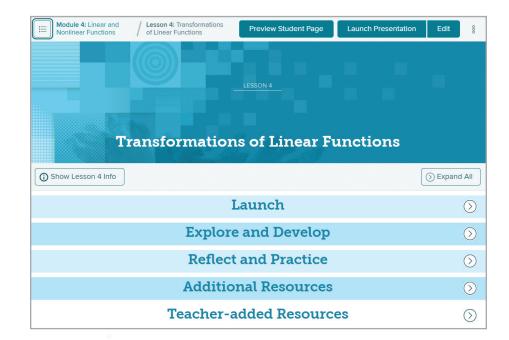
- Explore
- Learn
- Examples and Extra Examples
- Checks

Reflect and Practice

- Exit Ticket
- Practice
- eSolutions
- Personal Tutors in English and Spanish
- · Spiral Review

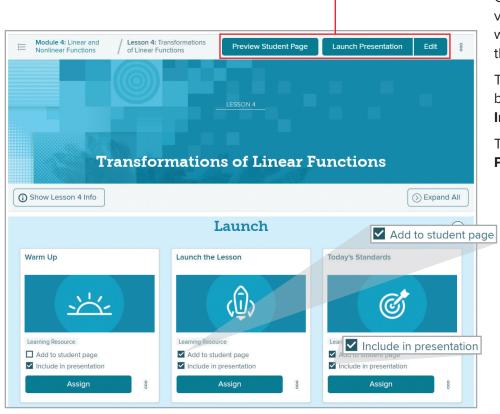
Additional Resources

- Explore Recording Worksheet
- Language Development Handbook
- Quick Review Math Handbook



- · Student Edition PDF with Answers
- · Review Activities
- · Extension Activities

Lesson Page, cont'd.



Click **Preview Student Page** to view which resources students will see and have access to in their **Student Digital Center.**

The Launch Presentation button opens the digital Interactive Presentation.

The **Edit** button opens the **Presentation Planning Toolbar.**

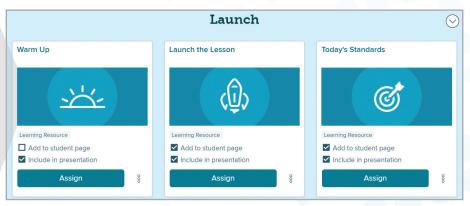
A checked box next to **Add to student page** indicates
that the resource is viewable
to students on their Student
Digital Center.

A checked box next to **Include in presentation** indicates that the resource is part of the digital **Interactive Presentation.**

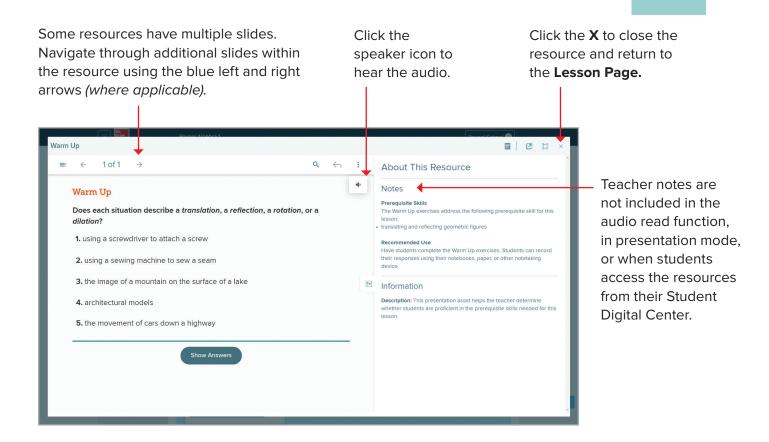
Click the arrow next to the **Launch** menu to view the resources associated with that part of the lesson.

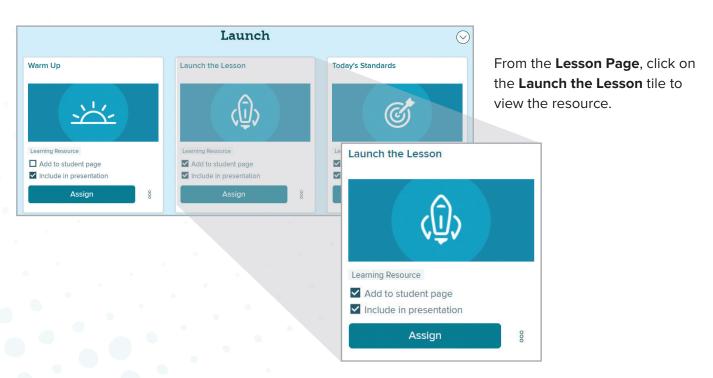
Click on the **Warm Up** tile to view the resource.





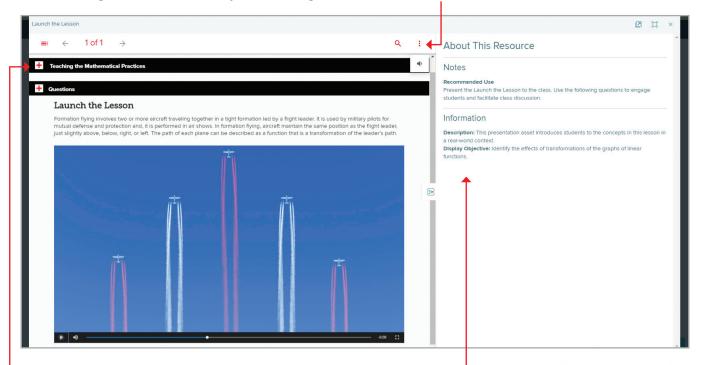
Resource View: Warm Up





Resource View: Launch the Lesson

Click the three vertical dots to access the Highlighter tool and toggle the **Teaching Notes** on and off by unchecking **Teacher Content.**



Click the plus sign to open and close **Teaching Notes** for the resource *(where applicable)*.

Interactive Presentation

Went by
The makes industrial extending a fundament in present in a finite of the control of the cont

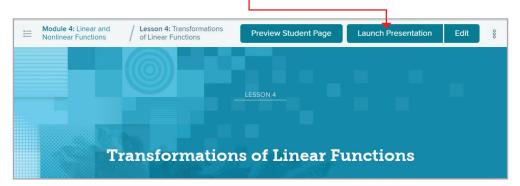
Algebra 1 Teacher Edition, Lesson 4-4

The **Notes** and **Information** provide planning information related to the resource. These do not display in presentation mode.

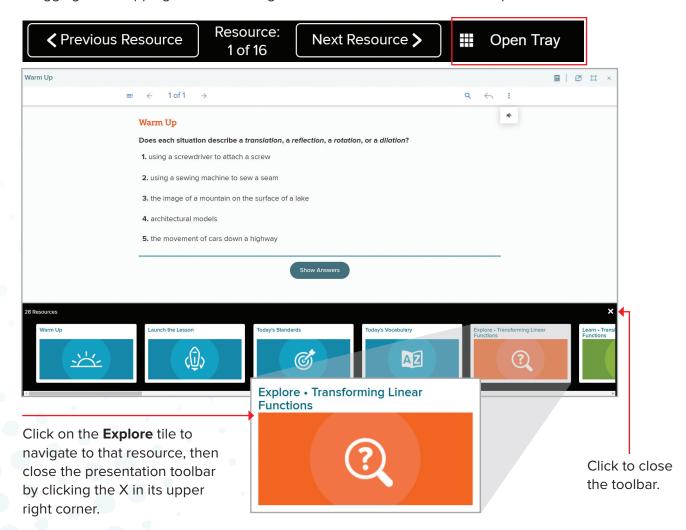
Note that the **Interactive Presentation** column in the Teacher Edition shows the resources that are available online for easier planning.

Presentation Planning Toolbar

From the Lesson Page, click Launch Presentation to view the Interactive Presentation.

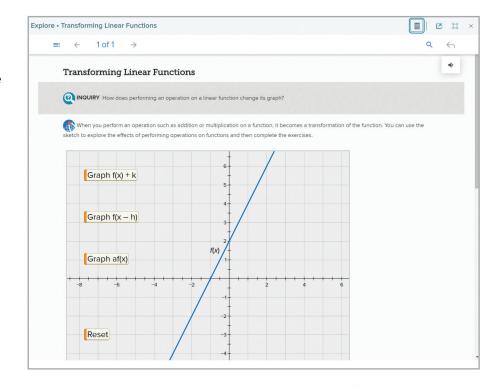


Click the **Open Tray** button at the bottom toolbar to open the presentation planning toolbar. Notice that these are the same resources seen on the **Lesson Page**. In this toolbar, teachers can navigate directly to any resource that has been included in the presentation. By clicking the **Edit** button from the **Lesson Page**, teachers can quickly customize their presentation by dragging and dropping tiles to rearrange the order of resources within the presentation.

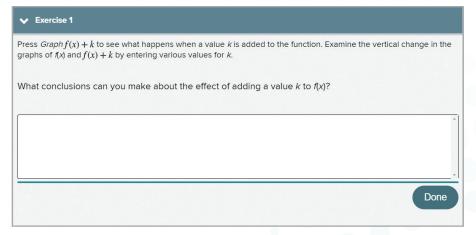


Feature Highlight: Explore Activity

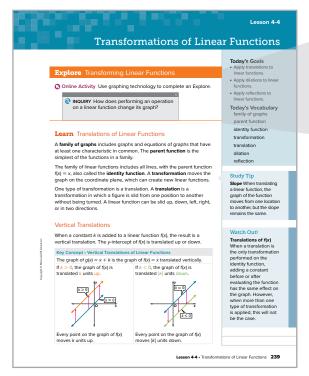
The **Explore** activity appears in most lessons to provide students with an openended opportunity to explore a problem. Many **Explore** activities, like this one, utilize **Web Sketchpad**®—highly visual integrated activities that demonstrate math concepts in action.



Students can scroll down the page to view **Exercises** related to the activity. Click the arrow next to each Exercise to view it.



Seamless Blended Print/Digital Delivery



The ISE indicates when an **Online Activity** is available to help students deepen their conceptual understanding through engaging digital tools.

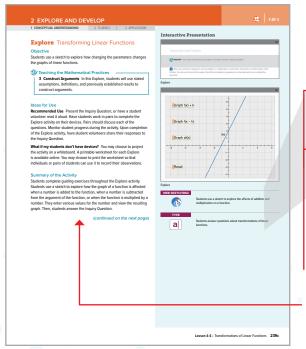
Online Activity Use graphing technology to complete an Explore.

Explore Transforming Linear Functions

Q INQUIRY How does performing an operation

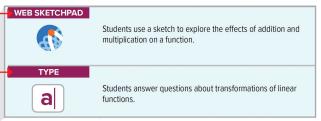
on a linear function change its graph?

Algebra 1 Interactive Student Edition, Lesson 4-4



Algebra 1 Teacher Edition, Lesson 4-4

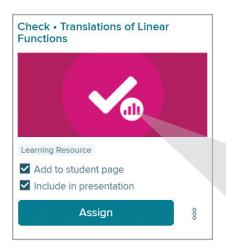
Look at the corresponding pages in the **Teacher Edition** and notice the support provided for incorporating digital resources into the classroom.



The Teacher Edition includes purple icons to identify exactly which types of interactivity students will encounter at each point in the lesson.

Teaching notes provide more information about the activity, as well as sample answers to mathematical discourse prompts that appear within the online activities.

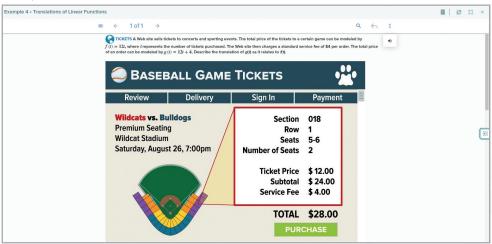
Feature Highlight: Check



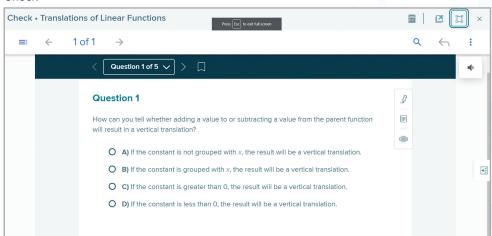
Return to the **Lesson Page.** Open the **Explore and Develop** drop down menu. Click on the **Check** tile with the data icon. The **Check** appears after **Examples**, and it provides a formative assessment opportunity for teachers. The data icon indicates that, when students are assigned and complete the **Check** online, data is collected for the teacher.



Example

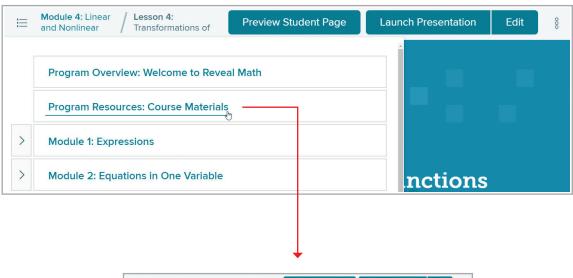


Check



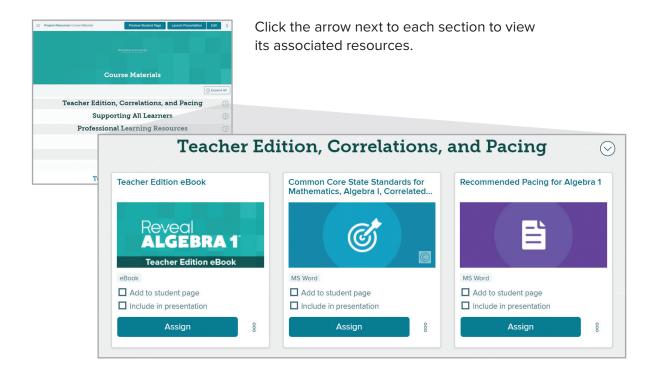
Course Materials

Return to the **Lesson Page**. From the **Course Navigation Menu**, select **Program Resources**: **Course Materials**.





Course Materials, cont'd.



Teacher Edition, Correlations, and Pacing

- Access to complete Teacher Edition
- Correlations
- Recommended Pacing

Supporting All Learners

 Access to complete Language Development Handbook Student Edition and Teacher Edition

Professional Learning Resources

· Professional Development Videos

Course Assessments

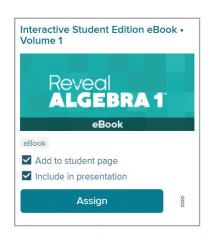
- Diagnostic and Placement Test, with Scoring Guide
- · End of Course Test

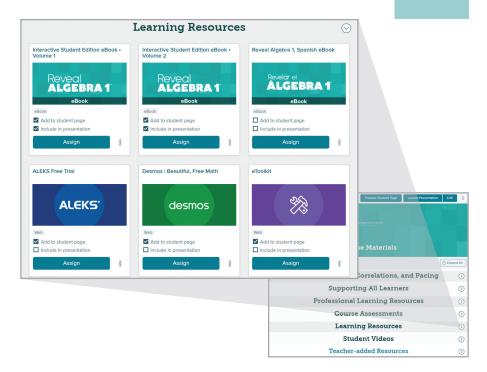


Course Materials, cont'd.

Learning Resources

- Access to complete Student Edition eBooks (2 volumes) and Spanish Interactive Student Edition
- ALEKS® Free Trial access (in demo account only)
- Desmos
- Key Concepts
- eToolkit

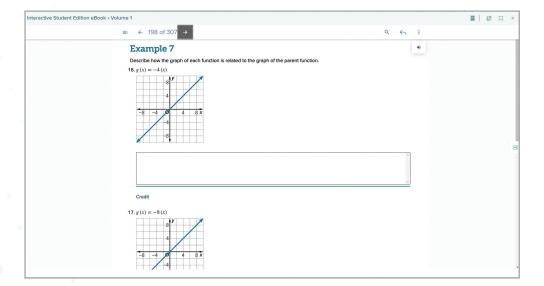




Click on the arrow next to the **Learning Resources** menu to open it. Click on the tile for the eBook to view the eBook. The eBook is also available on the Dashboard for quick access.

Interactive

The Interactive Student Edition eBook allows students to interact to solve problems just like with their print edition.

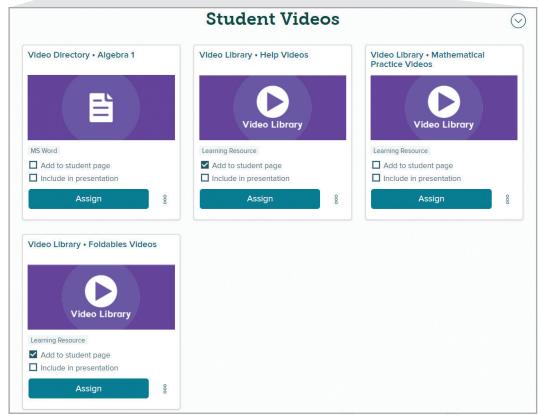


Course Materials, cont'd.



Student Videos

- · Video Directory
- · Help Videos
- Standards for Mathematical Practices Videos
- Foldables videos



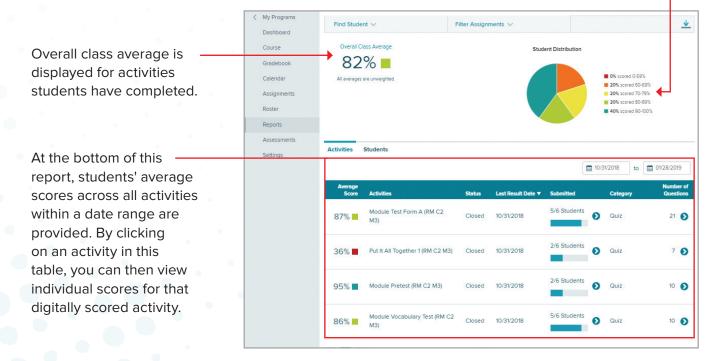
Reports

From the **Main Menu** in the left-hand sidebar, click **Reports.** These interactive performance reports provide immediate .feedback that allows teachers to make data-driven instructional decisions.



The **Activity Performance Report** provides a number of useful data points for class activities, like tests and homework.

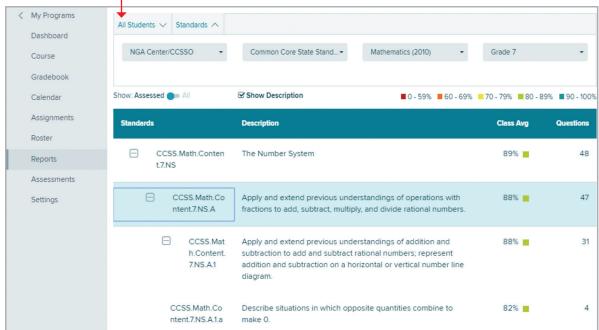
The pie chart breaks down the distribution of students' scores.



Reports, cont'd.

The **Standards Performance Report** provides information on class performance by standard.

Use this drop down menu to filter this report for specific students.





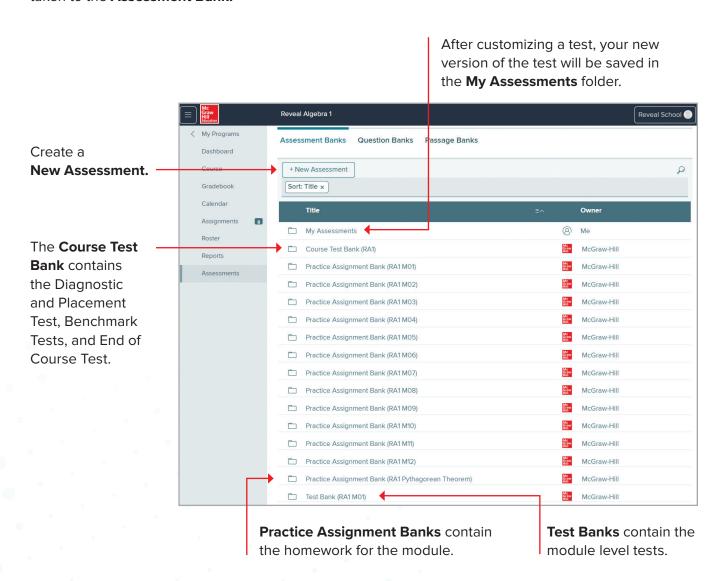
The plus and minus sign next to the standard allows you to show or hide the specific segments of the standard and their descriptions.

This column allows you to see the class average for each specific standard.

Assessments

From the Main Menu in the left-hand sidebar, click Assessments.

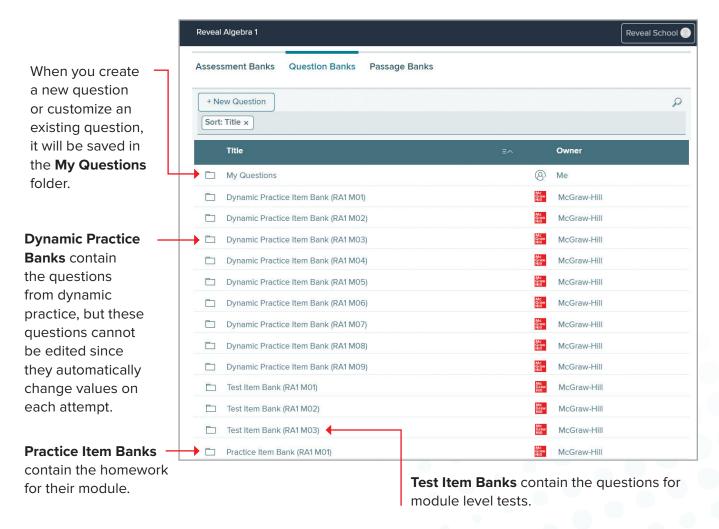
Leveled practice and assessments can be created and assigned to any grouping of students. Additionally, the majority of homework questions completed online are auto-scored. Essay-style questions include a sample answer for the teacher, to provide guidance for grading. When going to **Assessments**, you're initially taken to the **Assessment Bank**.



Once you've viewed the Assessment Banks, then click Question Banks.

Assessments, cont'd.

The **Questions Banks** contains all of the questions found throughout assessments. Most question banks are organized by module. You can create your own questions or customize the preexisting questions to better meet your needs from this bank.



Next, click the Passage Banks tab.



From the **Passage Banks** you can create your own word problems. When you create a new word problem, it is saved in the **My Passages** folder.

Search Resources and Search by Standard

From the left-hand **Main Menu**, select **Course**. Then, click the **Resources** tab.

Reveal Algebra 1 Type in a term or topic to search by keyword. Course Resources Search Reveal Algebra 1... Refine results 3596 Results (limited to the current course) Welcome to Reveal Math: Algebra 1 Overview O Course Location Location: Program Overview: Welcome to Reveal Math Browse Standards The Role of Teaching in Reveal Math Languages Resource Type Location: Program Overview: Welcome to Reveal Math Reveal Math Quick Start

Filter resources by:

- Course Location find resources fast within each module
- **Browse Standards** search for resources that pertain to specific standards.
- Language filter for English and Spanish materials
- Resource Type sort by assessment, video, PDF, and more



Visit **mheducation.com/contact** to contact your McGraw-Hill Education Sales Representative for more information.



