



Kids See the Math. Teachers See Results.

**enVision**® Mathematics

Please Note: your program screens may look different from the images in these training materials due to our rebrand to Savvas Learning Company.

# enVision<sup>®</sup> Mathematics

**Savvas Realize™** is the online learning management system for **enVision Mathematics Grades 6-8**. A full suite of personalized teaching and learning tools helps you teach effectively while engaging your middle grades students.

## Guided Tour

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1

### Go Digital

This groundbreaking digital experience provides anytime interactive learning, both online and offline.

2

### Experience Math

Multimedia and interactive content help explain and reinforce complex mathematical concepts.

3

### Work with Ease

Quickly find and assign standards-based content to individual students, small groups, or the whole class.

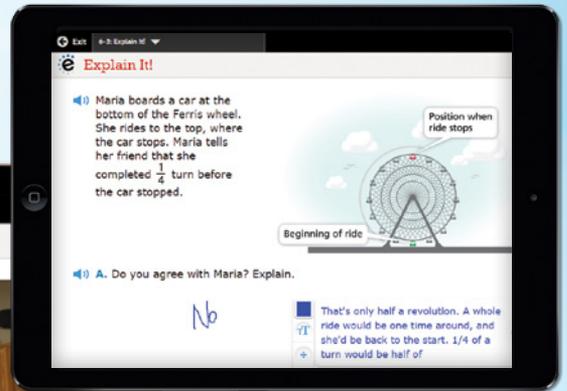
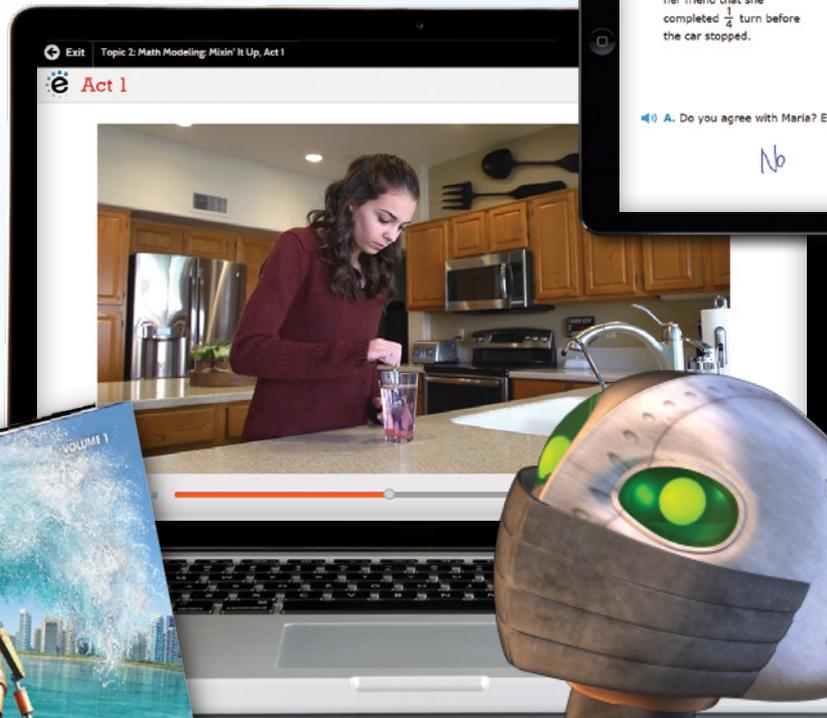
4

### Personalize Instruction

Flexible resources help you effectively and efficiently meet the needs of all students.

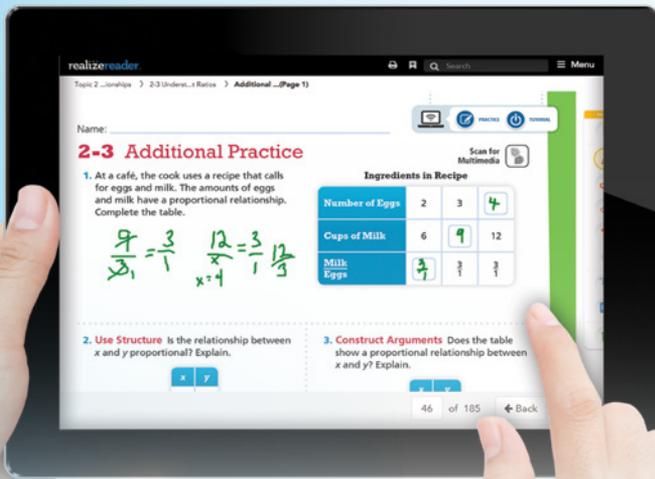
# Kids See the Math. Teachers See Results.

Made for Blended, Fully Digital  
Classrooms, or 1:1 Learning



# Engaged & Personalized Learning

**enVision Mathematics** allows students to easily access lesson content, videos, games, and interactive tools—online or offline.

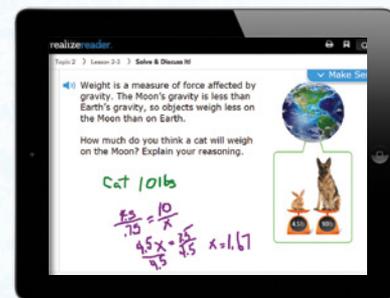


## Interactive Student Edition

- Provides students with both **online and offline** access to program materials
- Includes **embedded interactive activities**
- Allows students to **respond** to probing questions throughout the lesson and submit completed assignments to the teacher.
- Available on a wide array of devices

## Solve & Discuss It! Problem-Based Learning

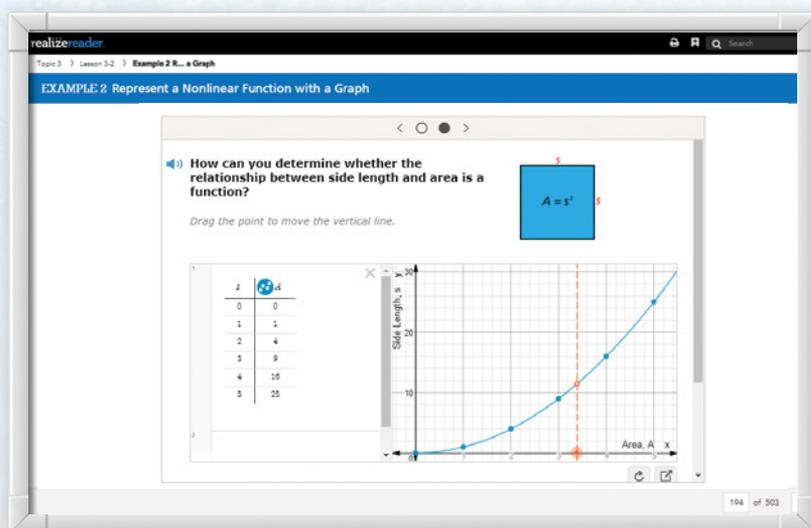
All lessons at all grade levels begin with Solve & Discuss It!, Explain It!, Explore It!, authentic problem-based learning activities. Online DrawPad tools engage students in building a solid foundation for conceptual understanding.



# desmos

## Interactive Learning

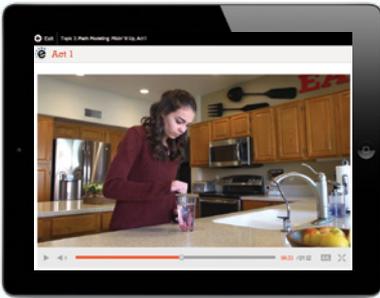
The digital interactives powered by Desmos foster conceptual understanding. These highly visual interactives bring mathematical concepts to life.



### 3-Act Math

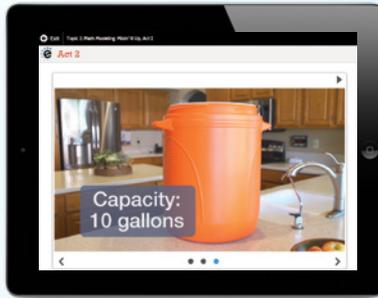
These high-interest, low-entry tasks develop students' conceptual understanding, procedural fluency, and adaptive reasoning as they test out different models and conjectures.

#### ACT 1: THE HOOK



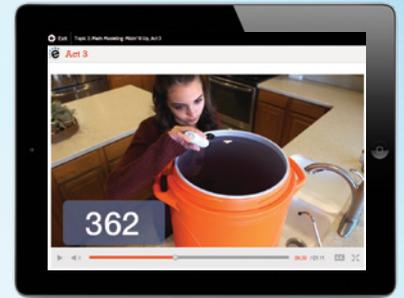
An engaging video introduces the question and gets students talking.

#### ACT 2: MODEL WITH MATH



Students determine what resources they need and develop a solution to answer the question.

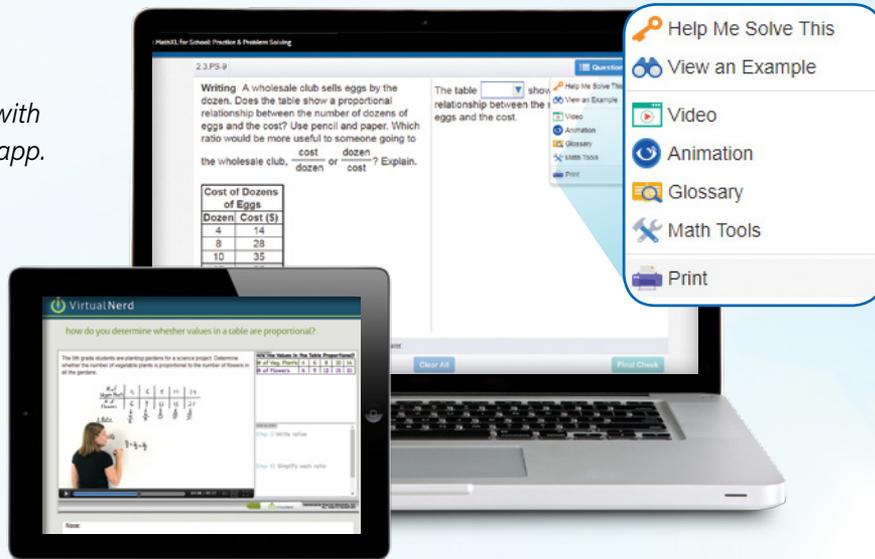
#### ACT 3: THE SOLUTION



The final video reveals a possible answer and students analyze the results.



Access videos through your mobile device with the FREE **BouncePages** app.



### Mathematics Made Accessible

- **MathXL® for School: Practice & Problem Solving Additional Practice, and Enrichment** embedded, auto-graded assignments provide instant feedback with learning aids that act as a student's personal tutor.
- **Adaptive Practice Powered by Knewton** delivers just-right math content to each student—both practice and instruction—in real time.
- **Visual Learning Animation Plus** videos make math ideas explicit from the Solve & Discuss It!, Explain It!, and Explore It! activities.
- **Virtual Nerd** videos for every lesson provide students with a step-by-step problem walkthrough.

# Manageable & Flexible Teaching

## Easy-to-Implement, 3-Step Lesson Design

Classroom tested and teacher approved, lessons support conceptual understanding, procedural fluency, and application.

### STEP 1

Problem-based Learning

### STEP 2

Visual Learning

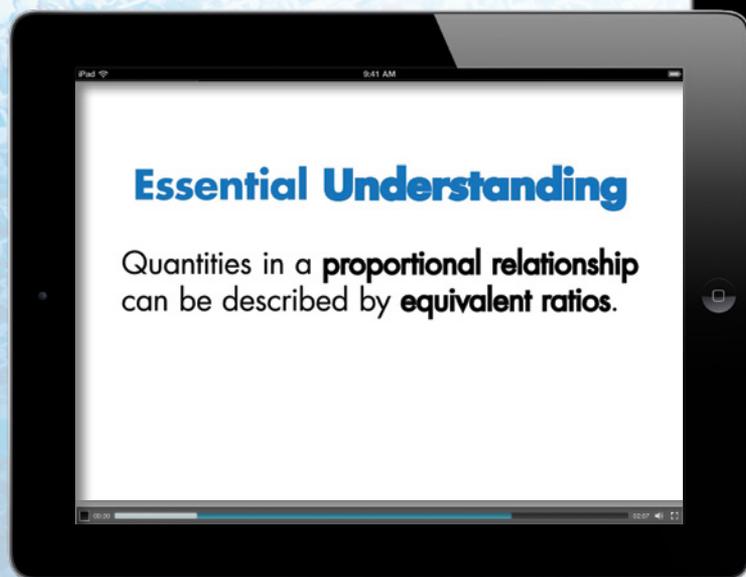
### STEP 3

Assess and Differentiate

## Teacher Support

**Listen & Look For** professional development videos at the beginning of lessons demonstrate expected student outcomes.

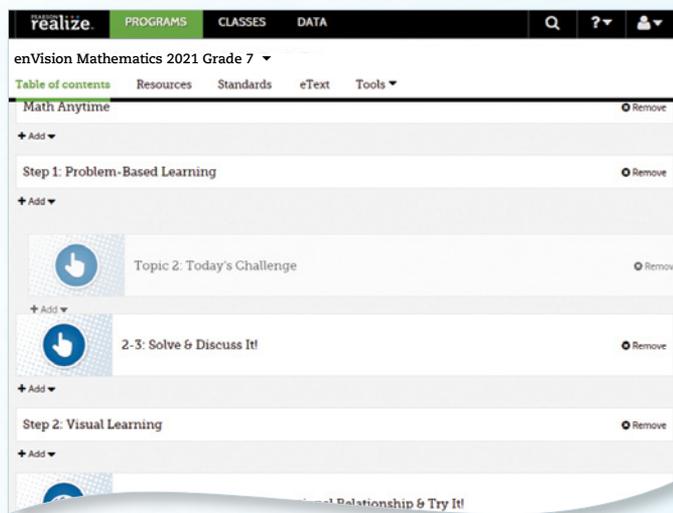
**Professional Development Topic Videos** offer quick, focused author perspectives as you start topic planning.



**enVision Mathematics** makes it easy to customize the curriculum and make data-driven decisions. The Realize online management system offers flexibility in planning, teaching, and progress monitoring. All materials are at your fingertips on one single platform.

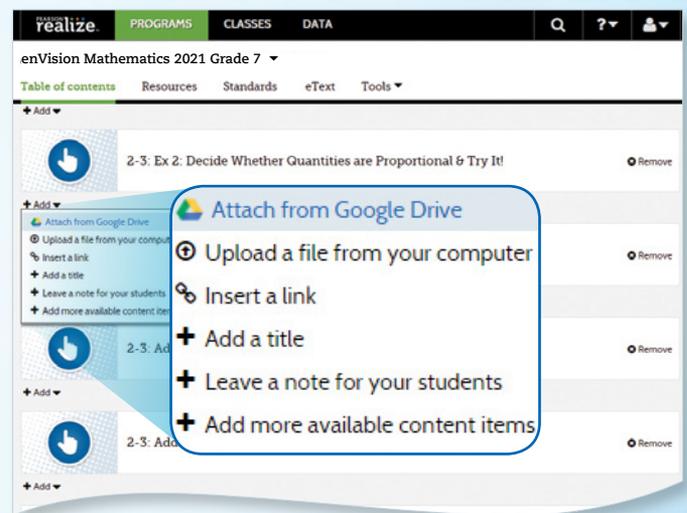
## From Fixed to Flexible

**Grade-Level Table of Contents** is fully flexible and can be reorganized. Reorder topics and lessons to meet your own district sequence and curriculum guide.



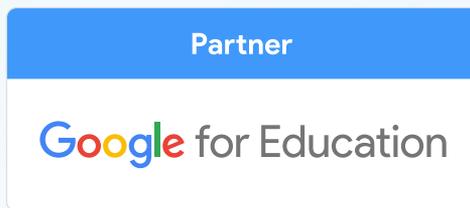
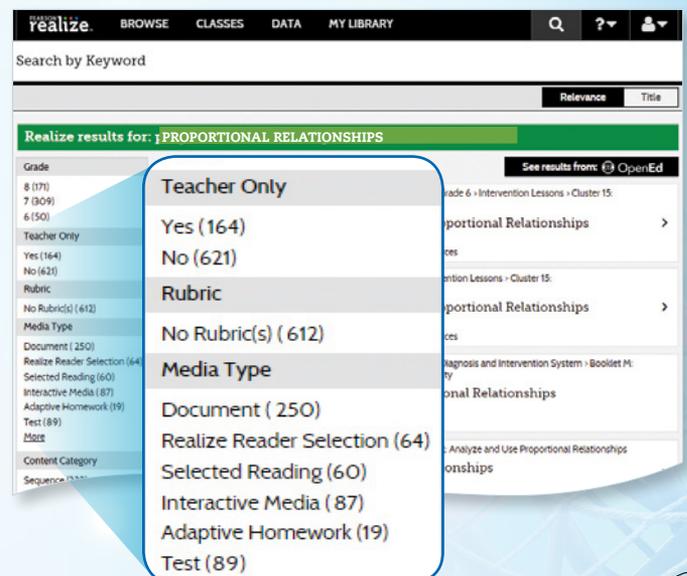
## Upload Your Favorite Content

Add content and links directly to the table of contents.



## Easy to Search and Find

Search by keyword to find lessons, videos, activities, and assessments.



Integrates Google Roster,  
Google Drive™,  
and Google Classroom™

# Try enVision Mathematics online!

## Sign in to Savvas Realize™

All English and Spanish assets are provided in one course on **SavvasRealize.com** so teachers and students do not have to toggle between multiple locations.



# 1

Type "SavvasRealize.com" in your browser bar and select **Try a free demo today.**

# 2

Set up an account to obtain a username and password.

# 3

Click **Sign in** and use with your new username and password.

Pearson Sign In Help

Username

Password

[Forgot your username or password?](#) Sign In →



1

Click on the **Programs** tab.

2

Select **enVision Mathematics**. If you need help, visit [mySavvasTraining.com](http://mySavvasTraining.com).

3

Manage your **Classes**, assignments, and reports at a glance.

4

View in-depth and real-time reporting in the **Data** section.

# TABLE OF CONTENTS

1. Keyword **Search** makes finding additional content easy.
2. Sort and search lessons by skill.
3. Access your student and teacher **eTexts** from the links at the top of the page.

4. Select **Tools** to view additional resources including online manipulatives and a Spanish/English glossary.
5. Select **Rearrange** to customize the sequence of the curriculum.

6. Select **My Content** to upload, embed, or edit your own content.
7. Select **Show Teacher Resources** to open the side panel with additional teacher resources.
8. Select **Create Content** to upload a file, add a link, or build a test.

*NOTE: The Table of Contents is seen here in Thumbnail View. A List View option is also available.*

enVision Mathematics 2021 Grade 7

Table of contents Resources Standards eText Tools

2-5: Graph Proportional Relationships

Select all

The Student Edition Realize Reader and Teacher's Edition Realize Reader will be available shortly. To view the content, go to the PDFs at the beginning of each topic (TE content is available for topics 1-4 only).

Assign All

Add all to Playlist

Info Edit Rearrange Teacher Resources

Math Anytime

**eTexts** for ALL STUDENTS include Interactive Student Editions with audio, video, interactive elements and Additional Practice Student Editions, which can be downloaded for offline use. Also includes text reader and Google Translate compatible Student's Edition in English and Spanish and Teacher's Editions.

1. To review the array of eTexts, click **eText** on top of the page.
2. Click **Teacher's Edition**.

realizereader

Topic 2: An...Overview > Lesson 2-5:...ionships > Lesson 2-5:...ionships

ENGAGE & EXPLORE

STEP 1 | Problem-Based Learning

15-20 min

Activity

Explore It!

Make Sense and Persevere As students work through the Explore It, listen and look for students who make sense of the problem by using what they know about proportional relationships and develop a plan to find a solution.

Before

1 Implement Tasks that Promote Reasoning and Problem Solving

Q: Which quantity shown on the graph is the independent variable? Which quantity is the dependent variable? [Independent: number of T-shirts; dependent: time]

2 Build Understanding

Q: On a coordinate plane, which point is called the origin? Why? [(0, 0), Sample answer: An origin is a place where something begins. To locate a point (x, y) on the coordinate plane, you begin from the point (0, 0).]

During

3 Support Productive Struggle in Learning Mathematics

Q: What are the coordinates of the point for 1 T-shirt? Where does each coordinate go in the table? [(1, 5), Sample answer: 1 goes in the top row for x. 5 goes in the bottom row for y.]

After

4 Facilitate Meaningful Mathematical Discourse

Analyze Student Work

Explore It! Activity is at PearsonRealize.com

Juhi's Work

$y = 5x$

Juhi recognizes that e... multiple of its corresponding x-value... n to write an equation in the form y =

Lesson 2-5 Graph Proportional Relationships

2 Page View

Search

Table of Contents

Bookmarks

Annotations & Highlights

Notebook

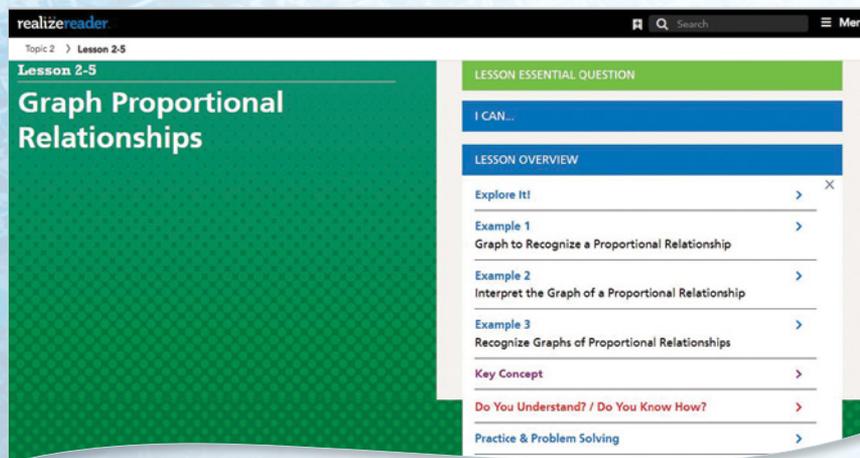
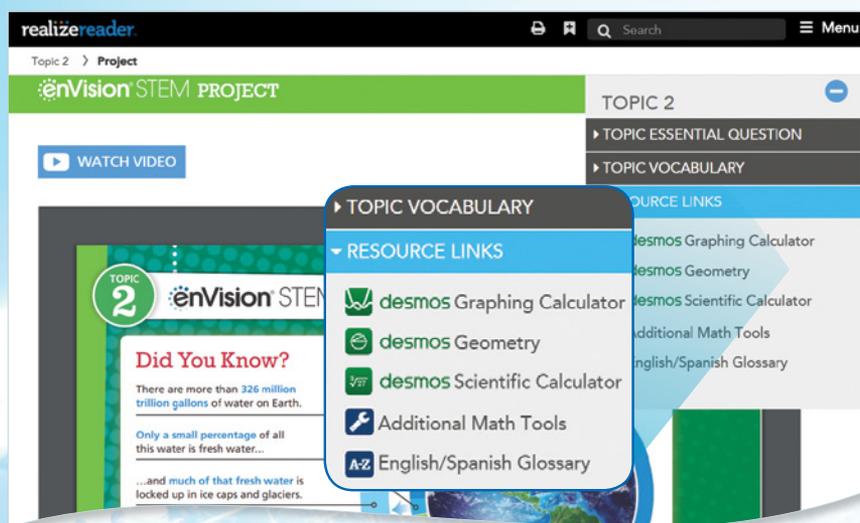
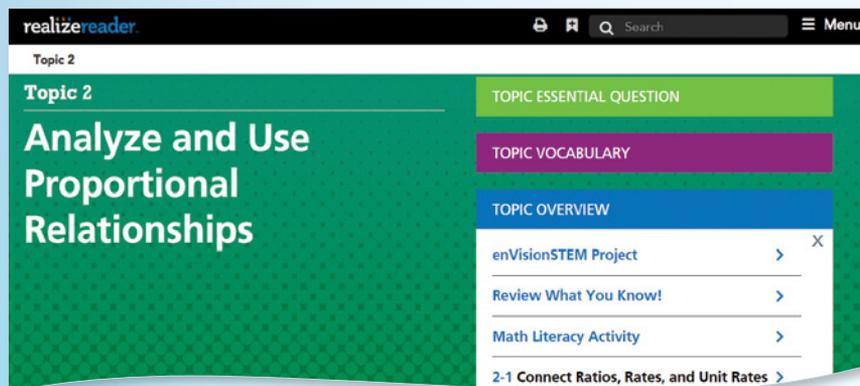
Bookshelf

Settings

- A. Search by Keyword
- B. Easy TOC Navigation
- C. Set Bookmarks
- D. Add Highlights or Annotations
- E. Access Notebook
- F. Switch to 2 Page View
- G. Change Font Size



# INTERACTIVE STUDENT EDITION: REALIZE READER



1. For review purposes, Select **any grade** and click **Interactive Student Edition** Select Topic 2.

- To view lesson content, select Topic Overview.
- Select any lesson.
- Click on Next to turn to the next page.
- DrawPad digital tools are provided on every page for students to show their work and thinking.
- The interactives powered by Desmos are prebuilt and embedded within the Student Edition.
- Students can complete assignments and submit to the teacher for review and grading. The teacher can comment to students about an assignment.
- Online and offline access.

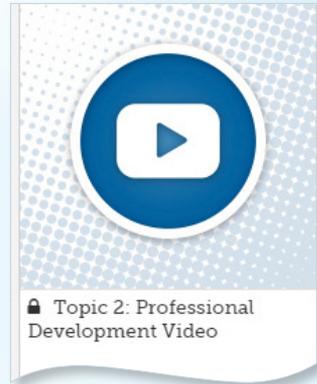
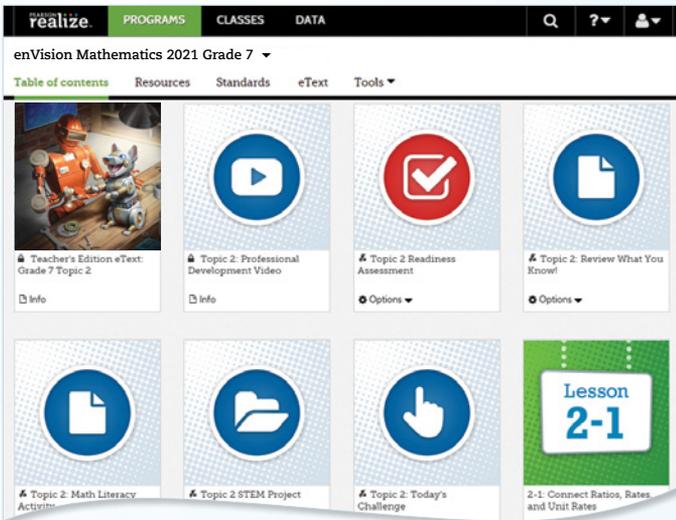
2. Page through the Student Edition to see all of the resources that are embedded at point of use, including:

- Prebuilt interactives powered by Desmos
- Visual Learning Animations embedded
- Annotations and highlighting
- Bookmarks
- Additional math tools
- English/Spanish glossary

3. Click Exit in upper left of Interactive Student Edition to return to the Grade Table of Contents.

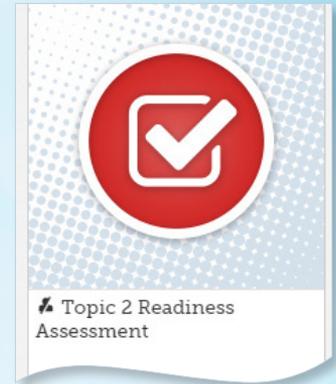
## Review Topic Table of Contents

Select any Topic of your choice.  
Have fun exploring all the interactive resources at your fingertips.



### Professional Development Videos

The **enVision Mathematics** authorship team gives helpful perspective on important mathematical concepts and skills in the topic.



### Assessments

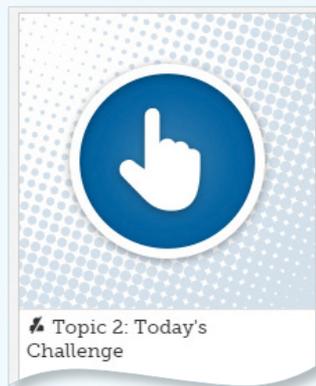
Save time with the ready-to-use diagnostic, formative, and summative assessments.

Topic, Cummulative/ Benchmark, and Progress-Monitoring assessments effectively assess standards.



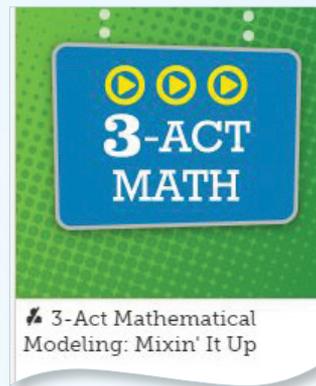
### enVisionSTEM Projects

Students explore situations that address real social, economic, and environmental issues to make mathematical connections across topics.



### Today's Challenge

This multi-day activity offers increasingly rigorous math problems referring to the same data set, building student perseverance.



### Mathematical Modeling in 3 Acts

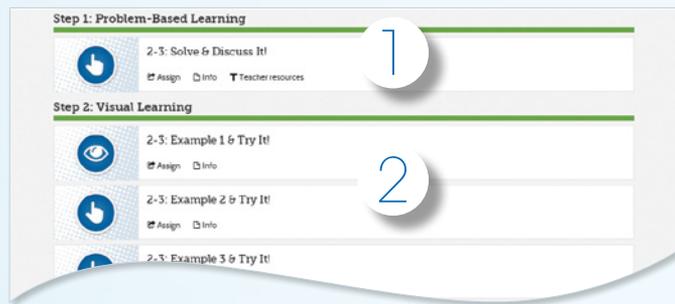
Make math relevant and help students "think mathematically" with three-act tasks.

# LESSON NAVIGATION

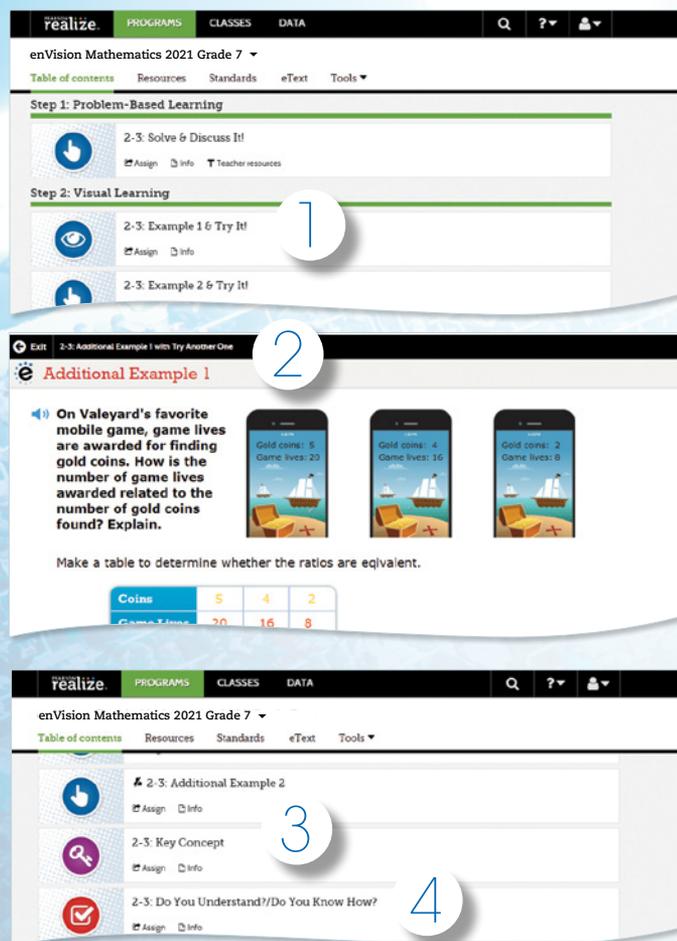
From the Topic Table of Contents, select a lesson.

## Step 1 Problem-Based Learning

1. Each lesson begins with a Solve & Discuss It!, Explain It!, or Explore It! interactive activity to engage students and build a solid foundation for conceptual understanding. Explore It! and Explain It! activities, at least once per Topic, focus on mathematical modeling and communication.



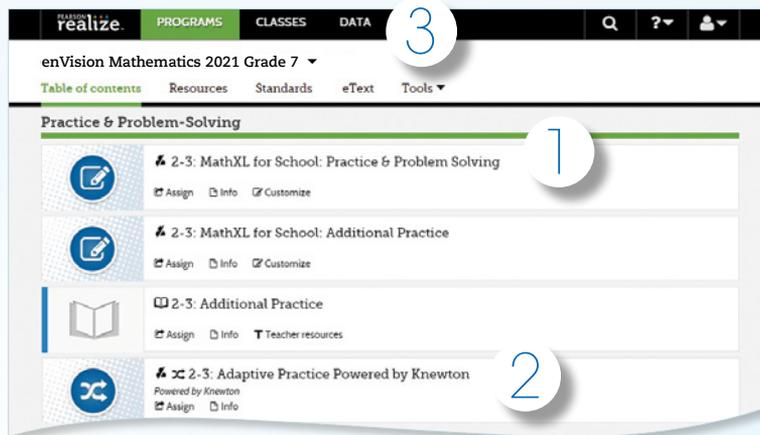
2. Click on Visual Learning from the drop-down menu. Navigate easily within a lesson.



## Step 2 Visual Learning

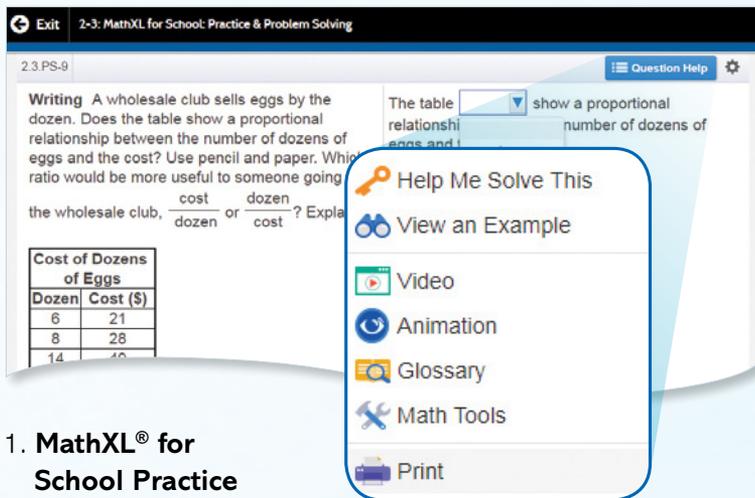
1. Additional examples are included for every lesson. With the **Try Another One** option, example problems can be reset with new numbers again and again.
2. Click on **Additional Example 1** with Try Another One.
  - The interactives powered by Desmos are prebuilt and ready for instruction.
  - The drop-down menu allows you to toggle between lesson launch and examples while presenting.
  - English-Spanish glossary
  - Interactive math tools let you easily edit and create your own activities.
  - Printing options
3. The **Key Concept** provides multiple representations to consolidate student understanding.
4. End-of-lesson formative assessments include **Do You Understand?** to check conceptual understanding and **Do You Know How?** to assess procedural fluency.

# Practice and Problem Solving



Explore these options!  
Don't forget the drop-down menu for easy navigation.

Easily assign a variety of practice and problem-solving activities in different modalities to personalize learning for each student.



## 2. Adaptive Practice powered by Knewton

- Delivers just-right math content to each student as they practice.
- Remediation occurs for the skills being taught that day. The system pinpoints the right grade-level and prerequisite skill.
- Delivers both instruction and practice automatically in real time.
- No need to go to an outside web site or additional resources.

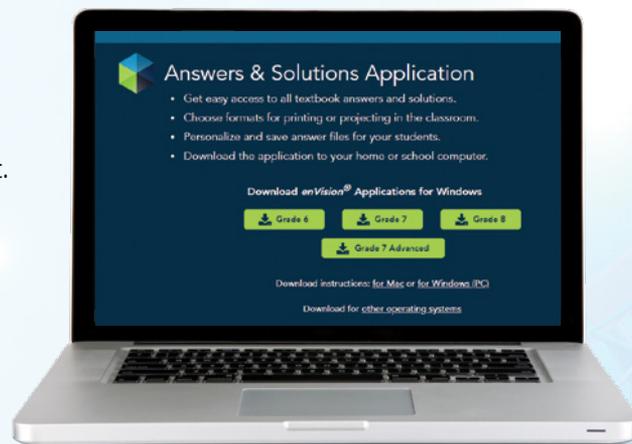
## 3. Answers & Solutions Application

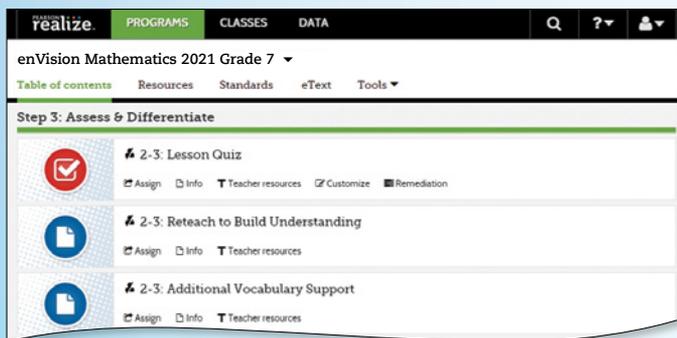
- Present and print answers and solutions for classroom use.
- Includes all the Try Its, Do You Know How?/ Do You Understand, and Practice & Problem Solving problems throughout the program.

## 1. MathXL® for School Practice & Problem

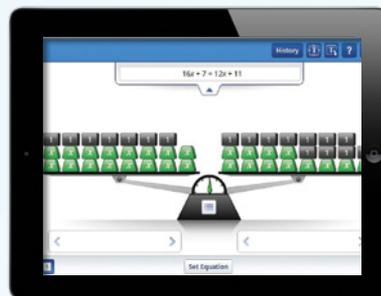
**Solving Additional Practice, and Enrichment** support a growth mindset by empowering students to choose the learning aids they need to work through the problem successfully. Auto-scored.

- Help Me Solve This** requires student interaction on each step. Once the initial problem is complete, it algorithmically recalculates a new problem.
- View an Example** walks through the steps of a similar problem.
- Video** provides a refresh of the lesson concept.
- Students can view the **Visual Learning Animation Plus** any time during the problem.
- Glossary** provides audio animated help in English and Spanish.
- Students can access **Math Tools** as they work the problems.





A variety of engaging differentiation options in each lesson encourages and challenges students of all learning levels.



## Step 3

### Assess & Differentiate

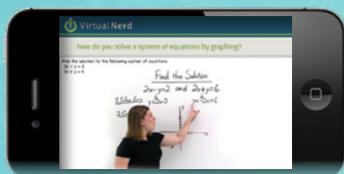
1. **Lesson Quiz** provides 5 items on the lesson content in a variety of formats, including technology enhanced items. Results are auto-scored with auto-prescribed remediation and enrichment.
2. Every lesson offers **MathXL® for School Enrichment** for interactive challenge for students.

3. **Math Tools or Math Games** reinforce concepts, critical thinking, and application.
4. **Virtual Nerd Videos** present a problem walk-through as a lesson refresh.

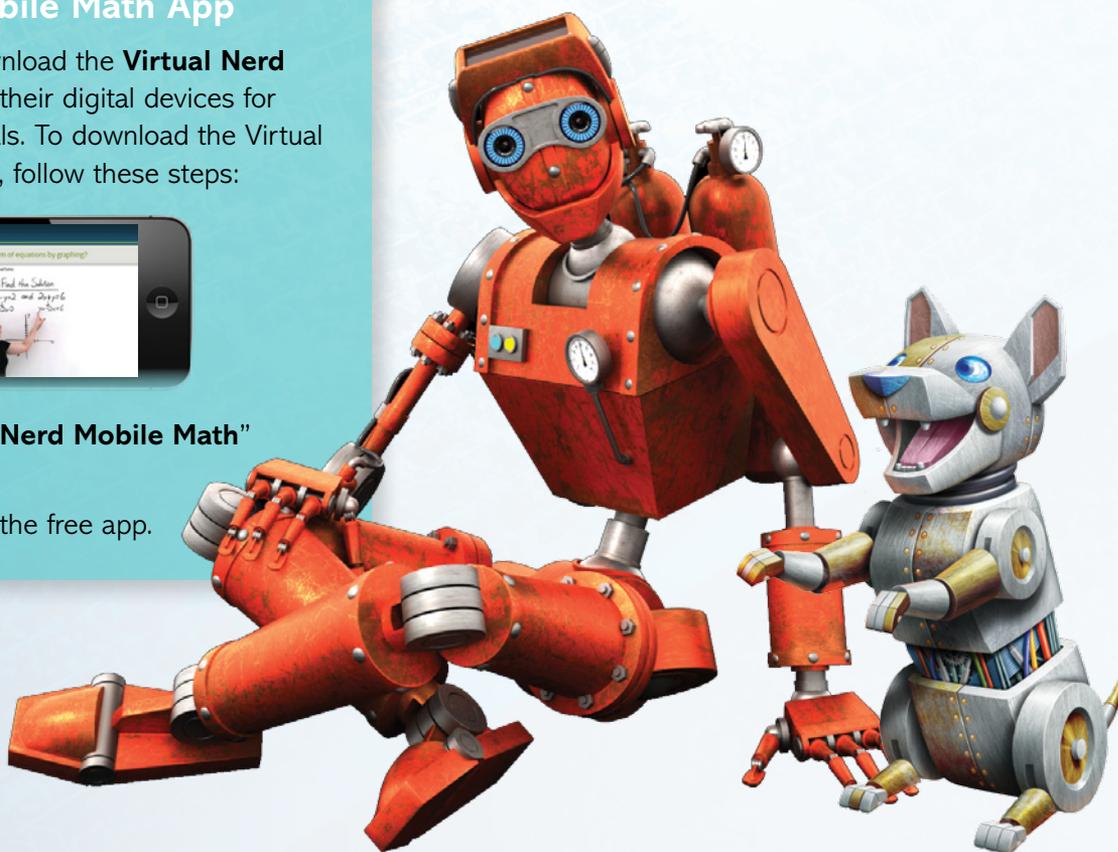
Additional lesson differentiation resources include: **Additional Practice**, **Reteach to Build Understanding**, and **Build Math Literacy and Vocabulary**.

### Virtual Nerd Mobile Math App

Students can also download the **Virtual Nerd Mobile Math** app on their digital devices for access to video tutorials. To download the Virtual Nerd Mobile Math app, follow these steps:

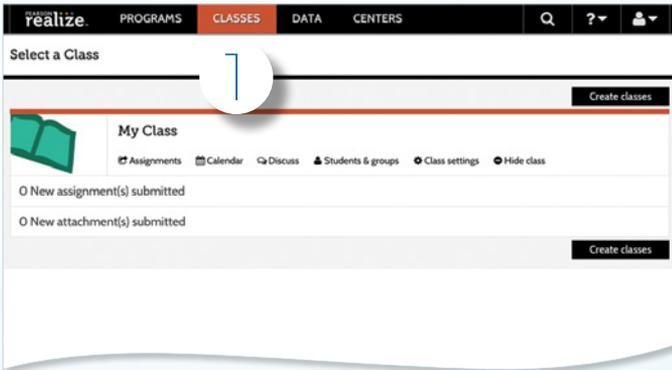


1. Search for “**Virtual Nerd Mobile Math**” in your app store.
2. Select to download the free app.

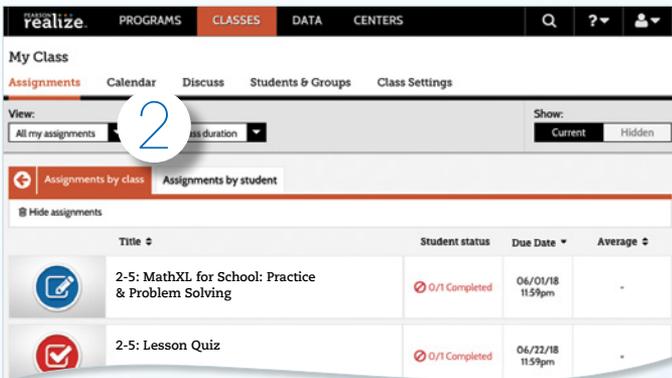


## Manage Assignments and Classes

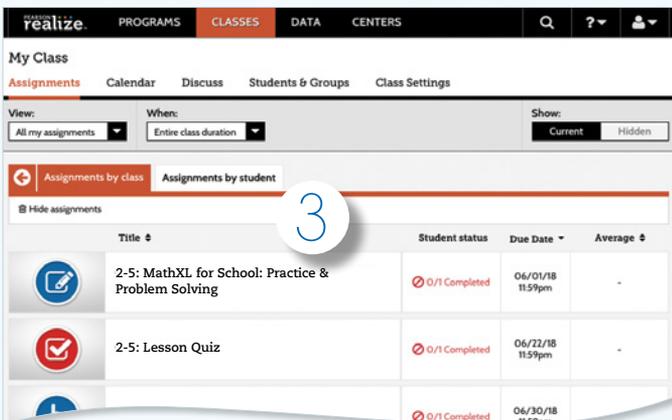
1. Click **Classes** tab to manage options.



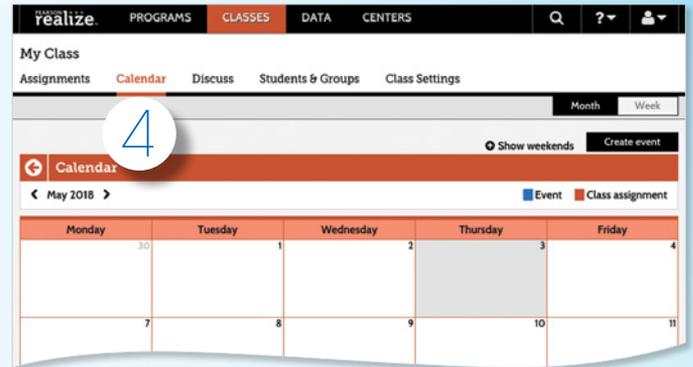
2. While in the classes tab, select **Assignments** to view by class or student.



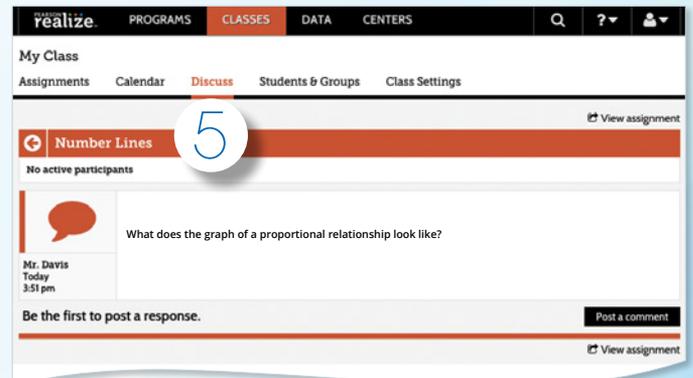
3. Teachers can **make edits** to the assignment and preview.



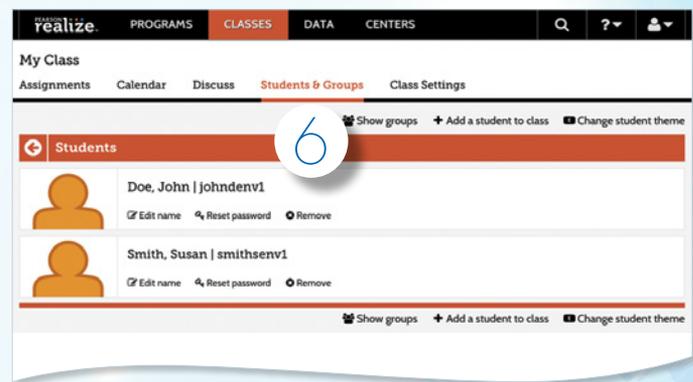
4. Click **Calendar** to view all class assignments by week or month.



5. Click **Discuss** to create a prompt for a class discussion.



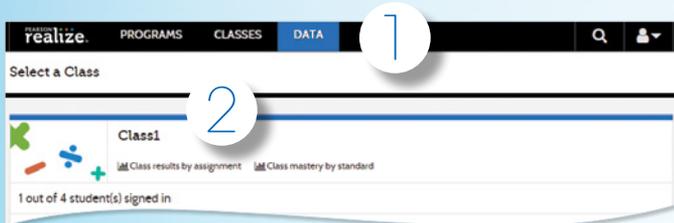
6. Click **Students & Groups** to view student information, create/edit class groups, and view assignments



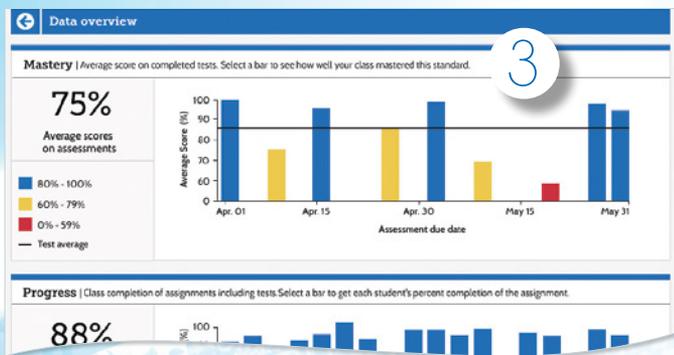
# STUDENT DATA

## Instantly Track, Record, and Analyze Data

1. Click **Data** to view student data based on assigned work.
2. Click **Class Name** to view assessment items and monitor scores.



3. Click bar in the **Mastery** section for a data overview.



4. View **Mastery Analysis** for in-depth information about standards coverage and mastery for an assignment.

The screenshot shows the 'Mastery Analysis' section for a lesson quiz. It displays a table of student scores and mastery percentages for four standards (S1, S2, S3, S4). A red circle with the number '4' is over the 'Mastery analysis' tab.

Name	Score	S1	S2	S3	S4
Anderson, Chris	100% (5/5)	5/5	1/1	1/1	2/2
Brown, Tiana	100% (5/5)	5/5	1/1	1/1	2/2
Buzzy, Anita	60% (3/5)	3/5	1/1	1/1	2/2
Hernandez, Mariana	-	-	-	-	-
Jones, Josiah	100% (5/5)	5/5	1/1	1/1	2/2
Maalouf, Hassan	80% (4/5)	4/5	1/1	1/1	1/1

5. Click **Item Analysis** to view class overall or individual answer choices and performance.

The screenshot shows the 'Item Analysis' section. It displays a table of question performance with columns for Question, Max Points, # of Students Correct, # of Students Incorrect, and # of Students Partial. A red circle with the number '5' is over the 'Item analysis' tab. Below the table is a student selection dropdown menu.

Question	Max Points	# of Students Correct	# of Students Incorrect	# of Students Partial
Question 1	1	11	1	0
Question 2	1	10	2	0

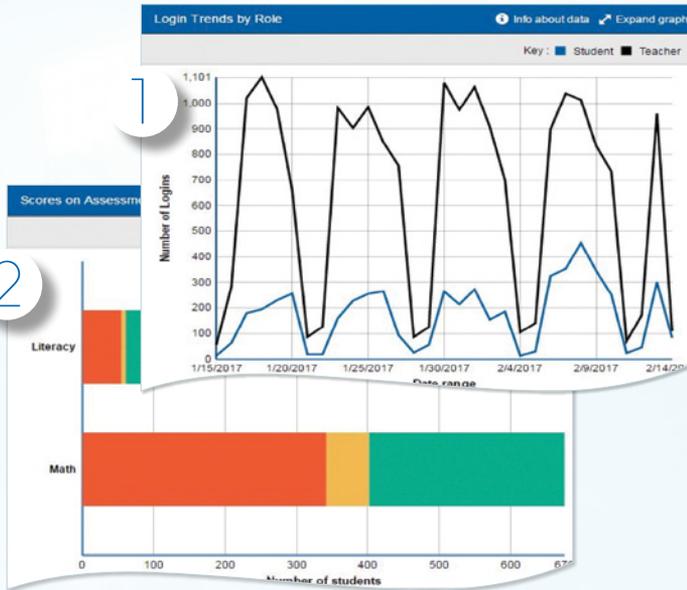
6. Click on a standard and then **View Resources** to see additional standards-aligned resources for follow-up.

The screenshot shows the 'View Resources' section for a lesson quiz. It displays a table of student scores and mastery percentages for four standards (S1, S2, S3, S4). A red circle with the number '6' is over the 'View Resources' button.

Name	Score	S1	S2	S3	S4
Anderson, Chris	100% (5/5)	5/5	1/1	1/1	2/2
Brown, Tiana	100% (5/5)	5/5	1/1	1/1	2/2
Buzzy, Anita	60% (3/5)	3/5	1/1	1/1	2/2
Hernandez, Mariana	-	-	-	-	-
Jones, Josiah	100% (5/5)	5/5	1/1	1/1	2/2
Maalouf, Hassan	80% (4/5)	4/5	1/1	1/1	1/2

Administrators of any EasyBridge tier can access Savvas Realize data by signing in to SavvasEasyBridge.com with a learning platform administrator account. Realize Reports help educators make decisions throughout the year regarding Implementation, Performance, and Progress.

## Implementation

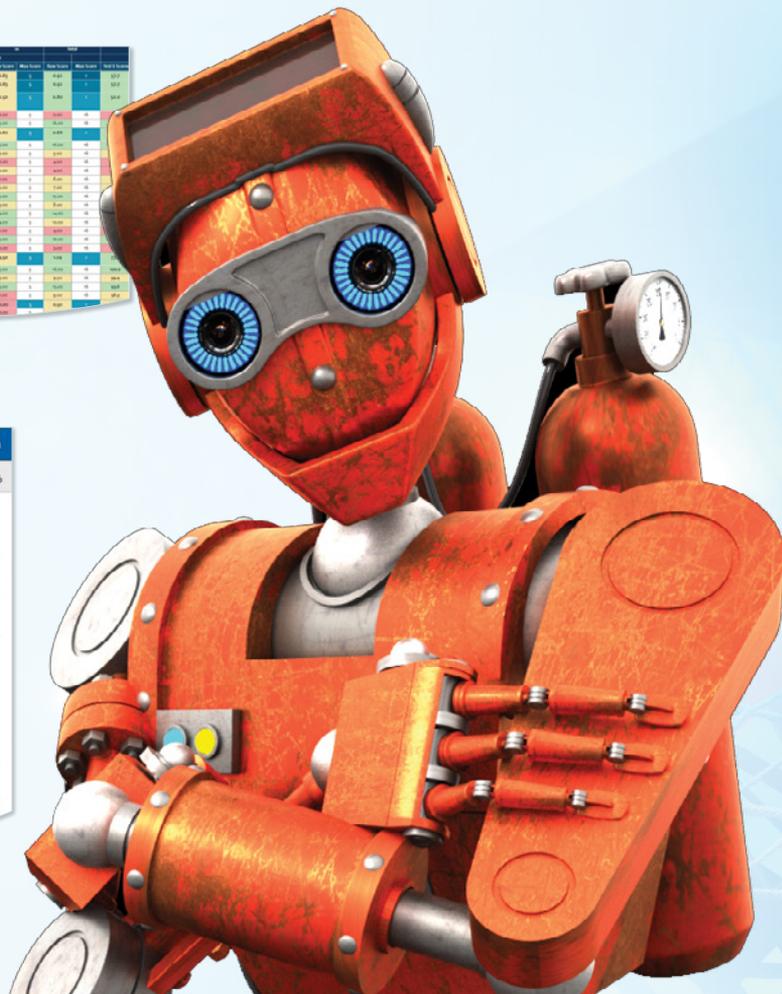
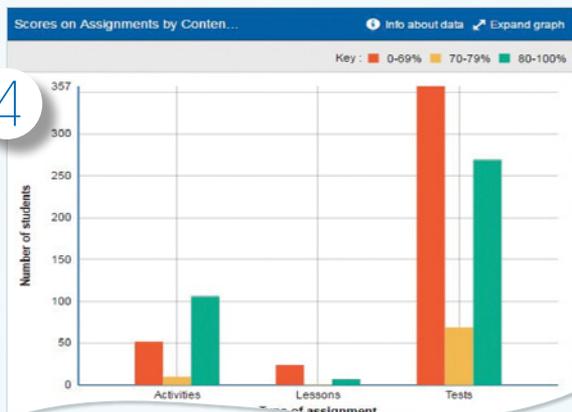


1. Analyze logins to see if the program is being used, how many students are registered and how they compare.
  - Students
  - Teachers
  - Totals
  - Prior Periods
  - Roles
2. Analyze submissions to see which products are being used.
  - Product
  - Subject
  - Content Type
3. Analyze distributions of percent scores to see how classes and students perform on a given standard and assessment.
  - Test
  - Standard
  - Product
  - Subject
4. Analyze changes in scores over time.

## Performance

The performance data table displays a grid of scores for various subjects and standards. The columns represent different assessment metrics, and the rows represent different subjects. The data is color-coded, with green indicating higher performance and red indicating lower performance. The table includes columns for 'Standard', 'Score', and 'Count' for each subject.

## Progress



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