



# MISSISSIPPI GRADE 6-8 ONLINE TOUR

# B.T.C. ON SMART DEVICES



## enVision<sup>®</sup>math<sup>®</sup>2.0

[SavvasSchool.com/MS](http://SavvasSchool.com/MS)



# Reviewer Information

## REVIEWERS

To view your **enVision Mathematics ©2020** examination materials, please go to the site below.

[SavvasSchool.com/6-8MathReviewMS](https://SavvasSchool.com/6-8MathReviewMS)

Username: **MSReviewer@enVision6-8** Password:

**Reviewer1**

Username and password are case sensitive.

On the **Reviewer Site**, you will find:

- Student's Editions
- Teacher's Editions
- Teacher's Edition Program Overviews

## TRY REALIZE ONLINE

To view Realize, the online learning management system for **enVision Mathematics ©2020**, please follow the steps below. You will currently see a 1 Topic sample for each grade which includes Teacher Resources and interactive student practice along with videos, games, and animations.

1 Go to: **SavvasRealize.com** and click "Sign In" at the top right of the site.

2 Type the log-in credentials:

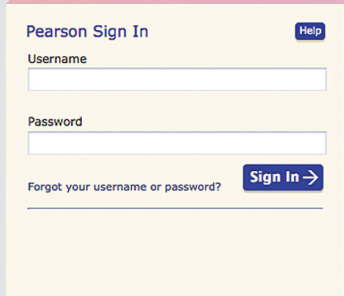
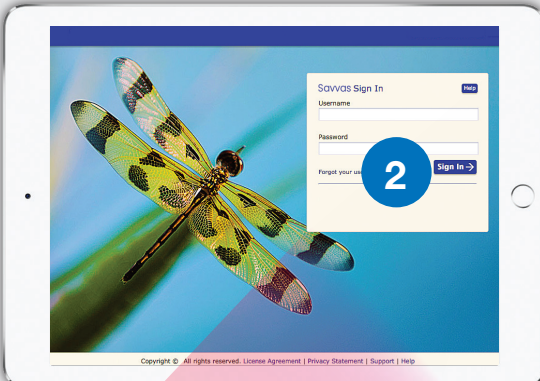
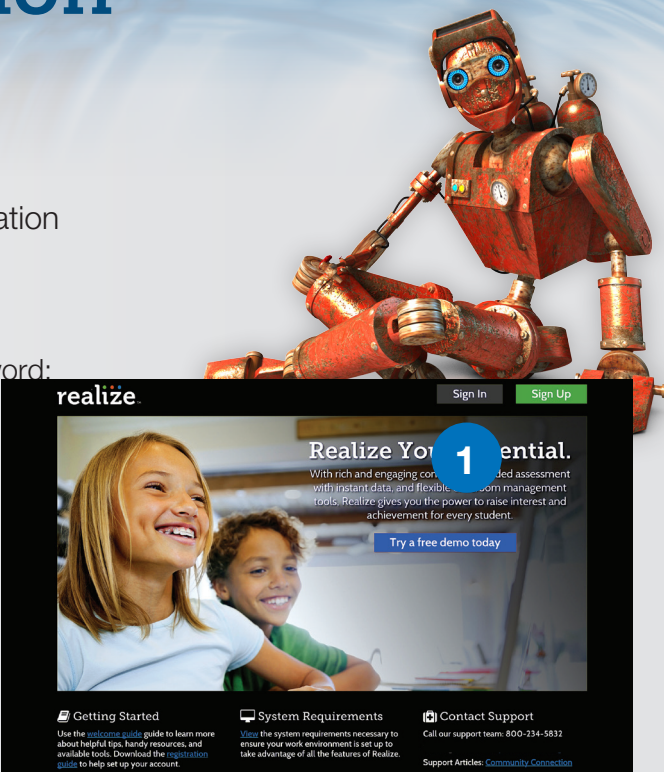
Username: **MSReviewer@enVision6-8**

Password: **Reviewer1**

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3 Click on "View All Programs". Choose the Grade Level you wish to view.

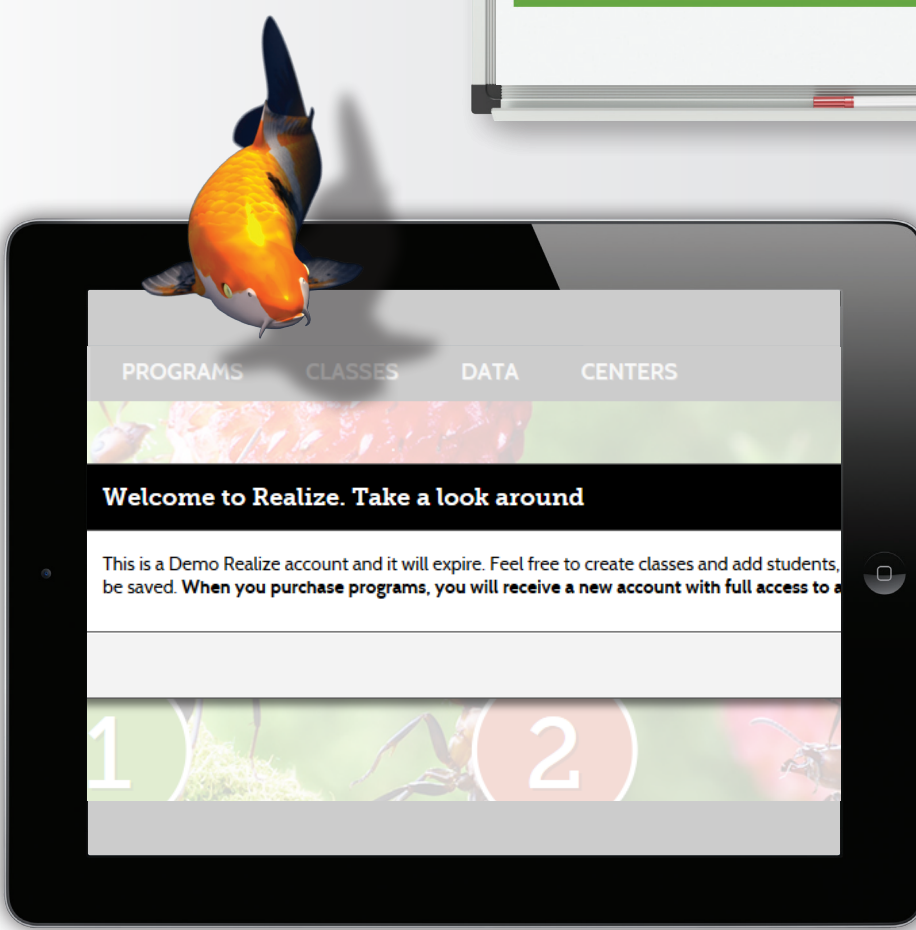
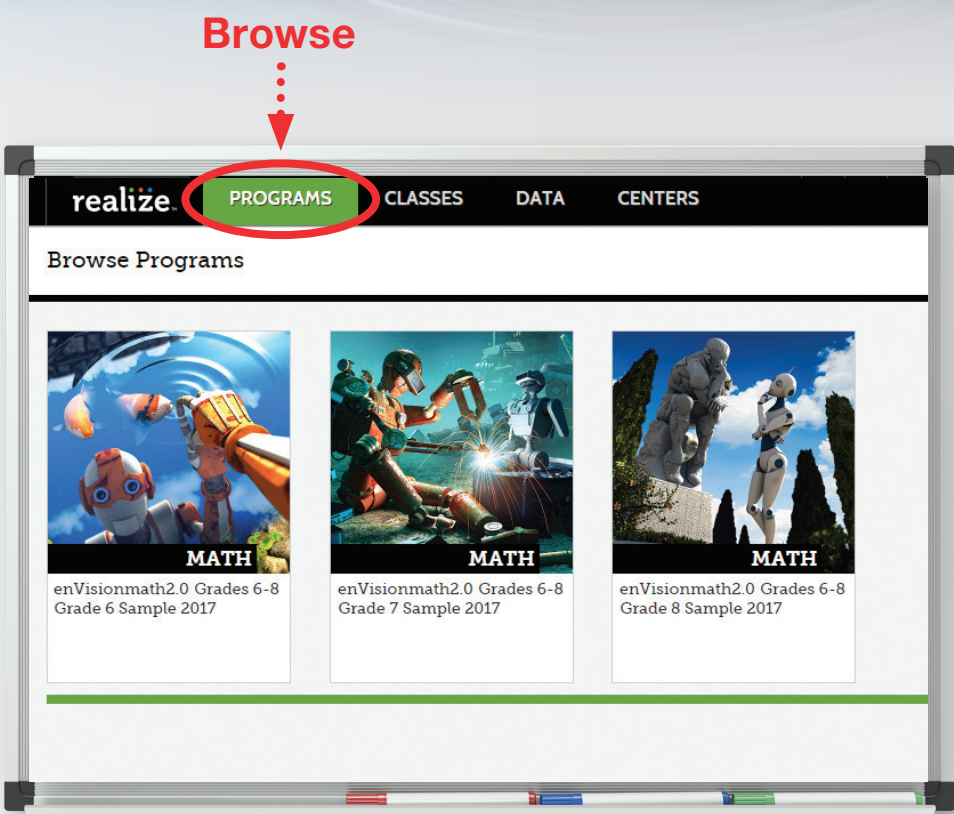
Browse, review, explore, and enjoy!



# Begin Your Online Tour

## Try It!

Browse through the videos, blackline masters, eTexts, assessments, and all other lesson materials for these sample topics.



## Explore!

Use all features of Realize in the demo accounts. Please note the data will not be saved. Full access to the program and all features is granted with new account at purchase.



Table of Contents

Explore the **enVisionmath2.0** program. View, assign, and collect data!

Switch grade levels easily on any screen.

Rearrange Table of Contents, assign, and customize materials.

Search by keyword.

realize. PROGRAMS CLASSES DATA

enVisionmath2.0 Grades 6-8 Grade 7 2017

Table of contents Resources Standards eText Tools

Thumbnail view List view

My content Show teacher resources Create content

Table of Contents

Teacher's Edition eText: Grade 7

Teacher's Edition Program Overview: Grade 7

Beginning-of-Year Assessment

Mathematical Practices Animations

TOPIC 1 TOPIC 2 TOPIC 3 TOPIC 4 TOPIC 5 TOPIC 6 TOPIC 7 TOPIC 8

Topic 1: Integers and Rational Numbers

Topic 2: Analyze and Use Proportional Relationships

Topic 3: Analyze and Solve Percent Problems

Topic 4: Generate Equivalent Expressions

Topic 5: Solve Problems Using Equations and Inequalities

Topic 6: Use Sampling to Draw Inferences About Populations

Topic 7: Probability

Topic 8: Solve Problems Involving Geometry

Next-Generation Assessment Practice Performance Tasks

Next-Generation Assessment Practice Test

Intervention Lessons

Math Diagnosis and Intervention System 2.0

Rearrange My content Show teacher resources Create content

Show all Teacher Resources in one list.

Updated thumbnails highlight live content.

Click on Topic to view its resources, tools, and lessons.



Topic Table of Contents

Search content by **VA SOL**, access eText and online Tools from any screen.

Professional Development Videos for every Topic.

Today's Challenge for every Topic.



realize. PROGRAMS CLASSES DATA

enVisionmath2.0 Grades 6-8 Grade 7 2017

Table of contents Resources Standards eText Tools

Thumbnail view List view

My content Show teacher resources Create content

Topic 1: Integers and Rational Numbers

Teacher's Edition eText: Grade 7 Topic 1

Topic 1: Professional Development Video

Topic 1 Readiness Assessment

Topic 1: Review What You Know!

Topic 1: Math Literacy Activity

Topic 1 STEM Project

Topic 1: Today's Challenge

Lesson 1-1: 1-1: Relate Integers and Their Opposites

Lesson 1-2: 1-2: Understand Rational Numbers

Lesson 1-3: 1-3: Add Integers

Lesson 1-4: 1-4: Subtract Integers

Lesson 1-5: 1-5: Add and Subtract Rational Numbers

Topic 1 Mid-Topic Assessment

Lesson 1-6: 1-6: Multiply Integers

Lesson 1-7: 1-7: Multiply Rational Numbers

Lesson 1-8: 1-8: Divide Integers

Lesson 1-9: 1-9: Divide Rational Numbers

Lesson 1-10: 1-10: Solve Problems with Rational Numbers

3-Act Math Lesson in every Topic.

3-Act Mathematical Modeling: Win Some, Lose Some

Topic 1: Fluency Practice

Topic 1: Topic Review

Topic 1 Performance Task

Topic 1 Assessment

My content Show teacher resources Create content

All online assessments use next-generation assessment functionality.



# A Lesson in Understanding

Teach the lesson online with full fidelity to the pedagogy of **enVisionmath2.0**. Whether you teach fully digital or with a blend of print and digital, you can be assured that your students will gain a deeper understanding of mathematics.

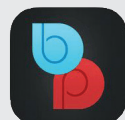
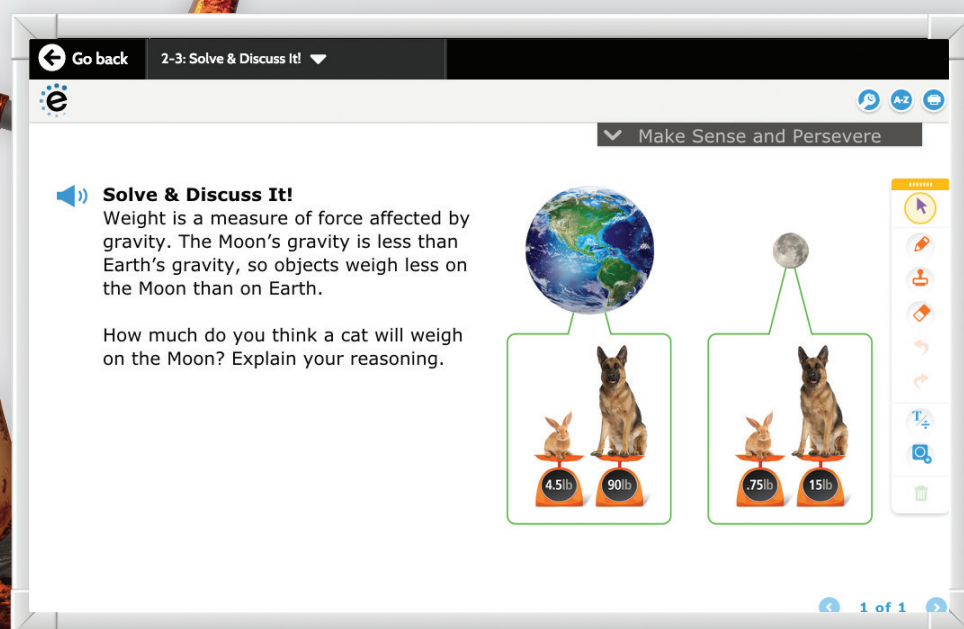
## LESSON STEP 1

## Solve & Discuss It! Problem-Based Learning

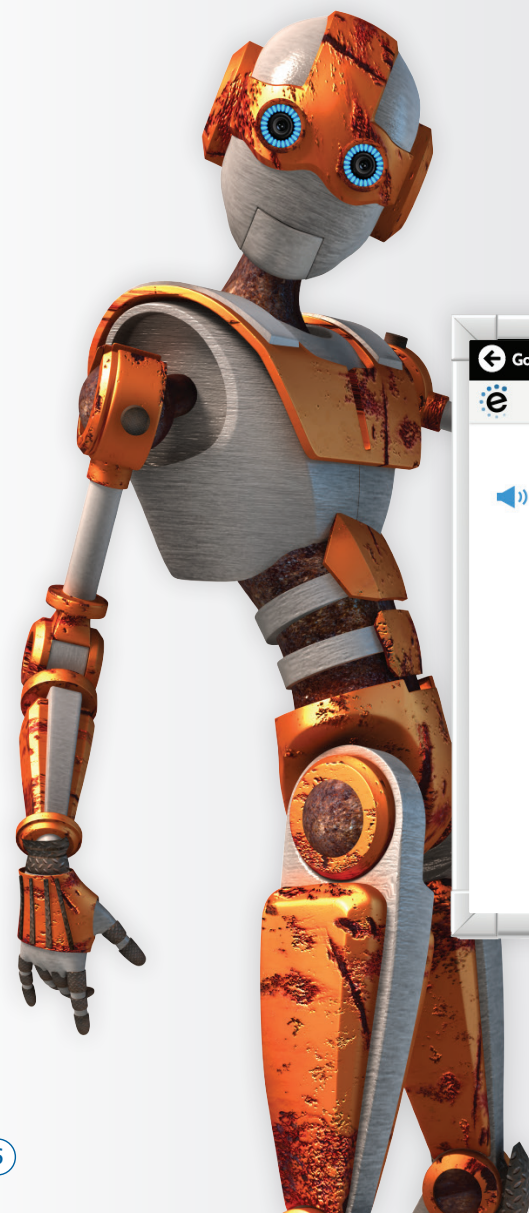
Introduce concepts and procedures with a problem-solving experience. Facilitate rich classroom conversations that result in deeper conceptual understanding. Explore It! and Explain It! activities, at least once per Topic, focus on mathematical modeling and communication.

## Solve & Discuss It! Online

This interactive workspace engages students and encourages active participation in their learning.



Launch Visual Learning Animation from the print page with free BouncePages app!



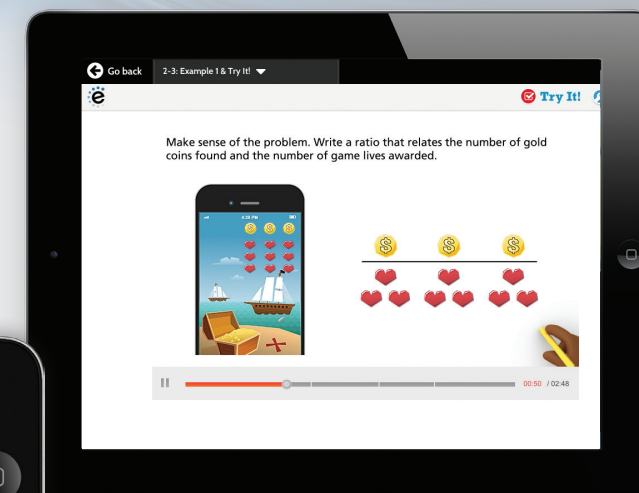
## LESSON STEP 2

## Visual Learning

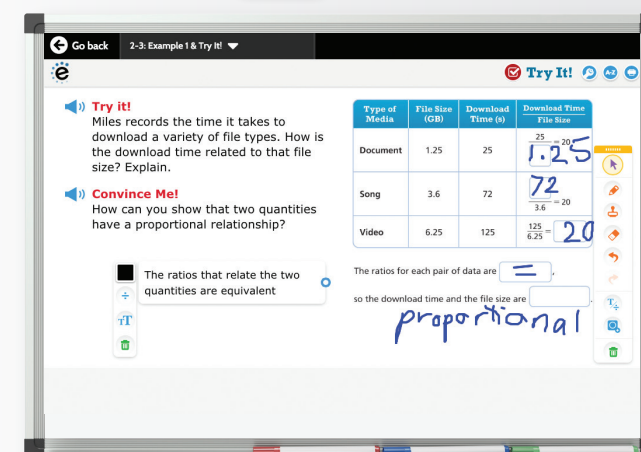
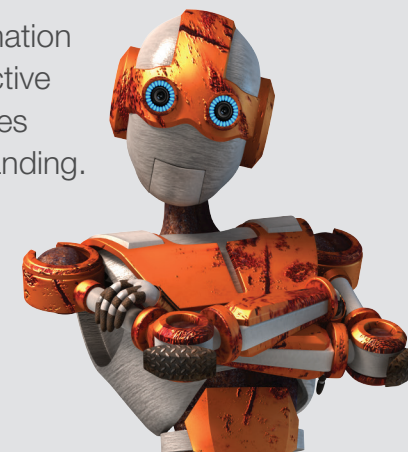
Visual instruction gives learners greater access to concepts and makes key math ideas explicit.



Access  
Through  
BouncePages  
App!

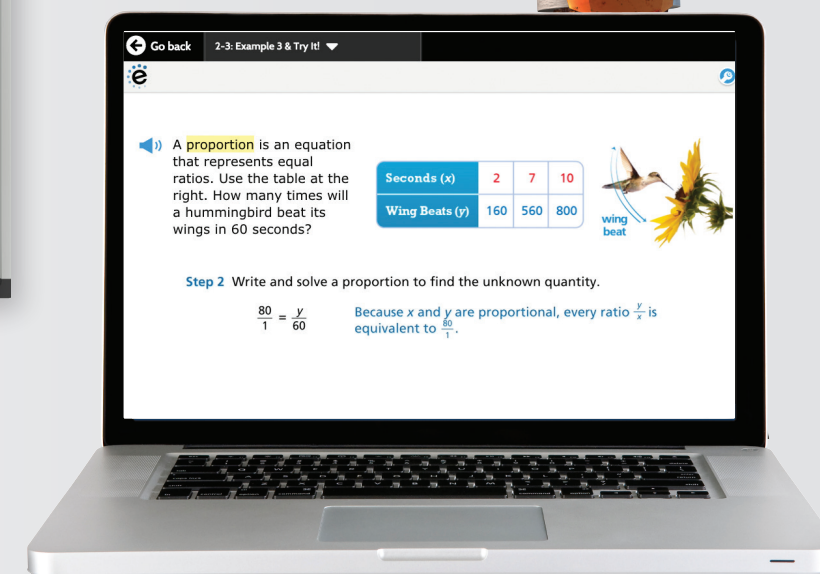


Visual Learning Animation Plus provides interactive learning and promotes conceptual understanding.



## Try It! Online

Explain, justify, use reasoning. Animations facilitate class discussion. Convince Me! connects back to the Essential Question.



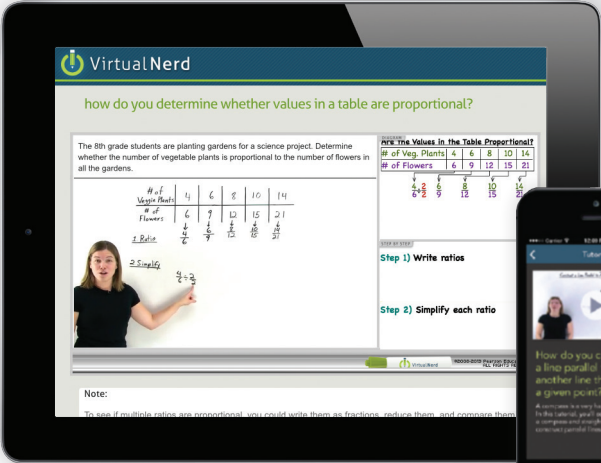
## Additional Examples

More examples, both in print and online, allow for additional direct instruction options. Digital examples are interactive and regenerative.



# Connect to New Ideas

Student supports give them the autonomy to dive deep into mathematical concepts. Students explore and strengthen their understanding online.



## Virtual Nerd Tutorial Videos

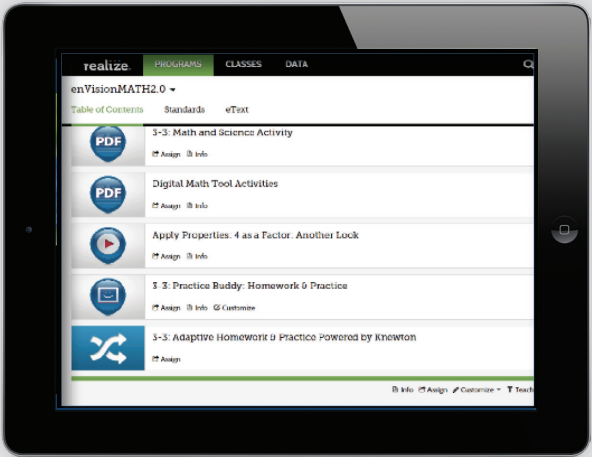
- Dynamic Whiteboard™ feature allows students to dig down in content.
- Approachable explanations delivered by on-screen instructors.

Access  
Through the  
Virtual Nerd  
App!



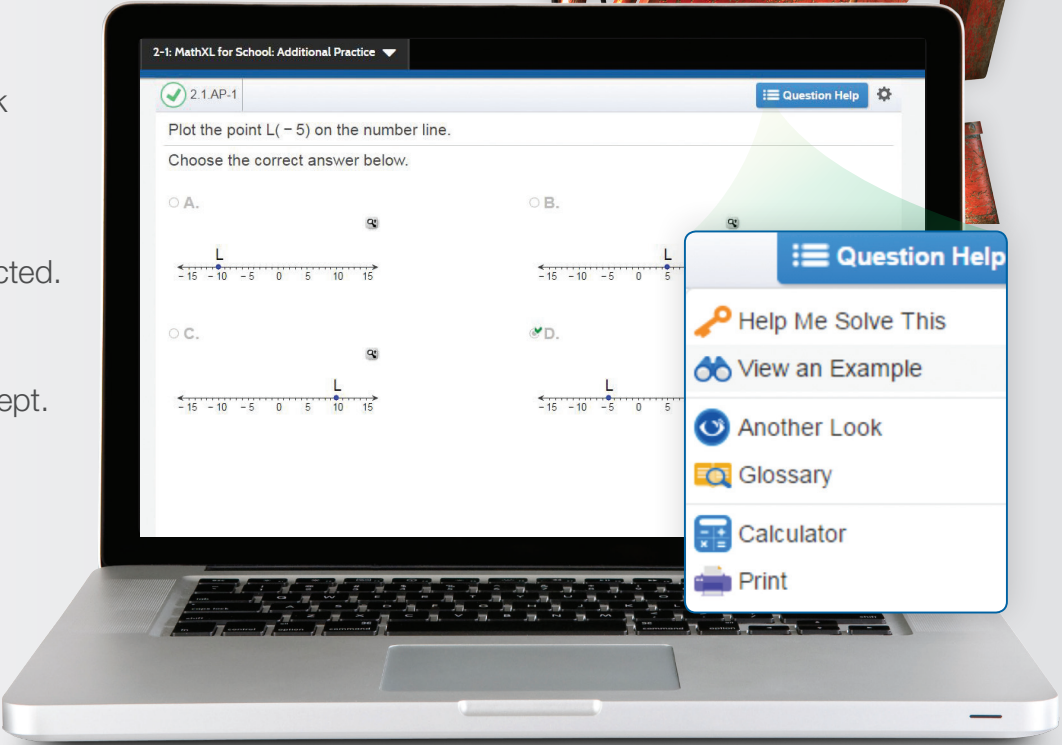
## Fast, Easy Access to Adaptive Practice

Instant access! Assign adaptive homework and practice from the Table of Contents. You don't need to go to an outside web site or add expensive resources.

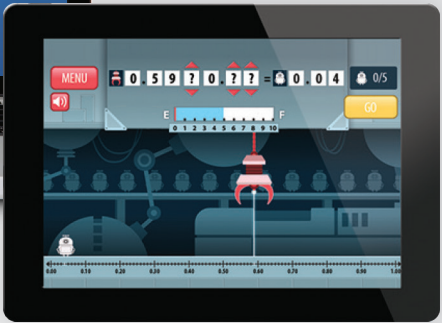


## MathXL® for School

Dynamic digital homework provides instant feedback and individual question help, in which errors and misconceptions are corrected. Teachers instantly see if students are prepared to move on to the next concept.



## Differentiate with Technology to Reinforce Learning.



## Math Tools & Games

Offer additional activities and games to build understanding and fluency.



# Cross-Curricular and College Ready

Today's Challenge and 3-Act Mathematical Modeling lessons provide students with real-world problem solving. Build students' confidence to think on their own.

Access the online glossary and Math Tools right from the page.

Navigate through the various days by clicking right on the number.

Go back

Topic 2: Today's Challenge

Today's Challenge

DAY 1 2 3 4 5 DIY A-Z

**Model**  
Choose one of the elevators listed in the table. Write the speed this elevator travels in 1 second as a rate.

Building	Approximate Distance (feet)	Time (seconds)
Empire State Building	233	10
John Hancock Center	150	5
One World Trade Center	666	20
Space Needle	368	25
Willis Tower	401	15

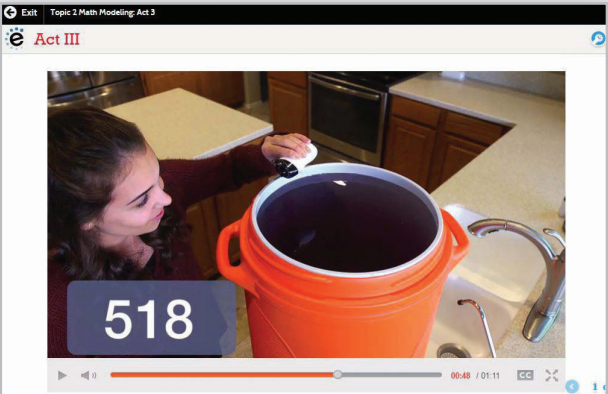
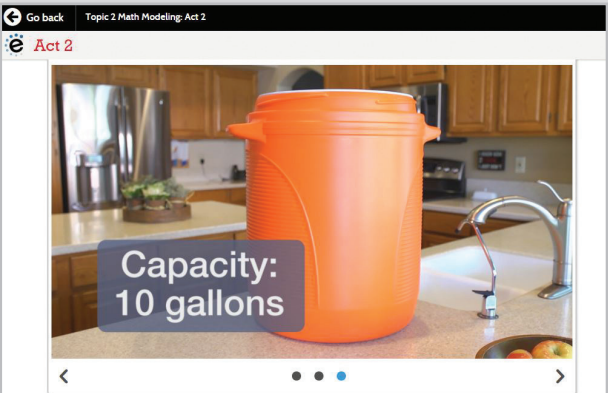
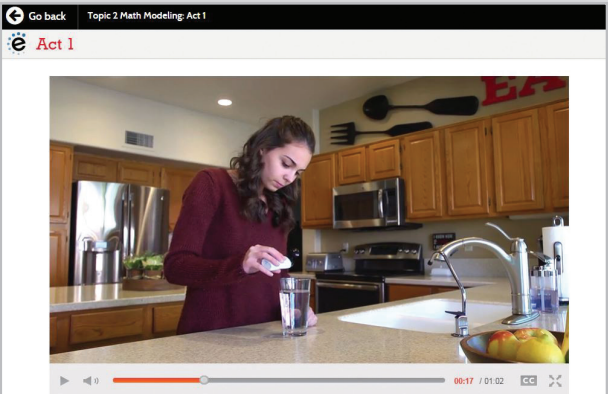
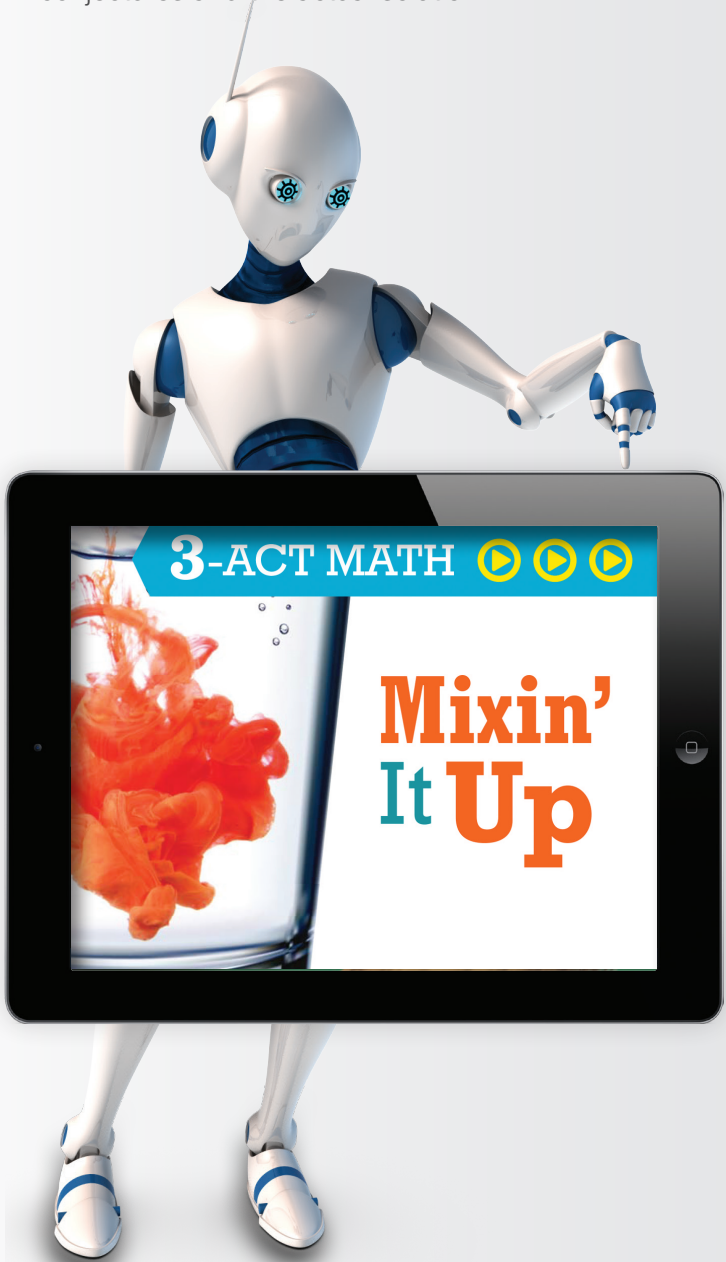
2 of 7

Problems increase in complexity and difficulty from day to day, while continuing to use the original data set. Many Today's Challenge problems are built around science data.

## 3-Act Mathematical Modeling

Once a Topic, a unique modeling lesson presents an engaging, high-interest situation — but with limited data. Unlike traditional real-world problems, 3-Act Mathematical Modeling lessons do not set up the problem for students to solve. A “Sequel” is also included for extension.

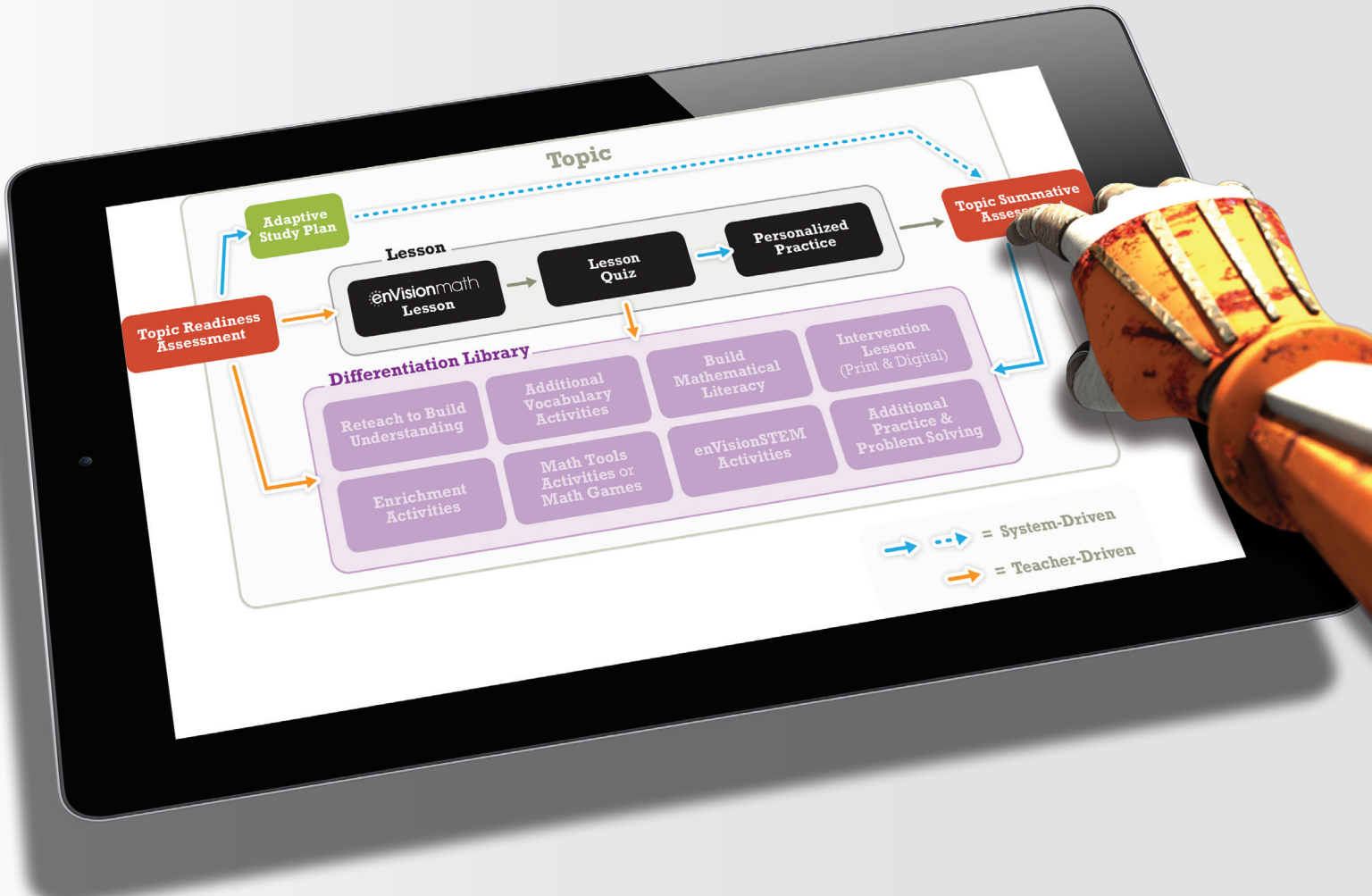
- **Act 1, The Hook:** a multimedia presentation engages students, followed by a brainstorm of possible question/answer situations.
- **Act 2, The Model:** students develop mathematical models to arrive at a solution.
- **Act 3, The Resolution:** a multimedia presentation helps learners explain differences between their own conjectures and the actual solution.





# Personalized Learning Delivered Automatically

Teacher-driven Differentiation Library assets come together with system-driven resources for tiered personalization.



## System-Driven Intervention

### Lesson Quiz

- Administered automatically online at the end of the lesson, mid-topic, and topic.
- System auto-assigns based on individual student's needs.
- Includes Reteach and Enrichment resources.

For each **enVisionmath2.0** Grades 6-8 Topic, every student receives a study plan with additional instruction and practice tailored to specific learning needs.

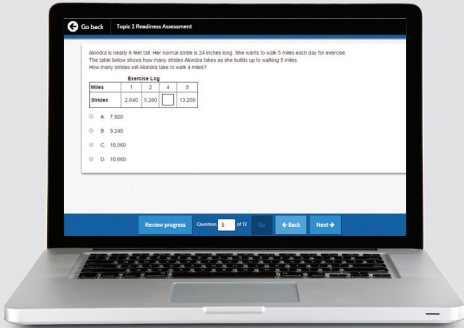
## System-Driven Intervention for Each Topic

### Topic Readiness Assessment

**At the Start of the Topic:**  
Personalization is driven by the results of the online Readiness Assessment, which assesses students' understanding of the unit's prerequisite content.

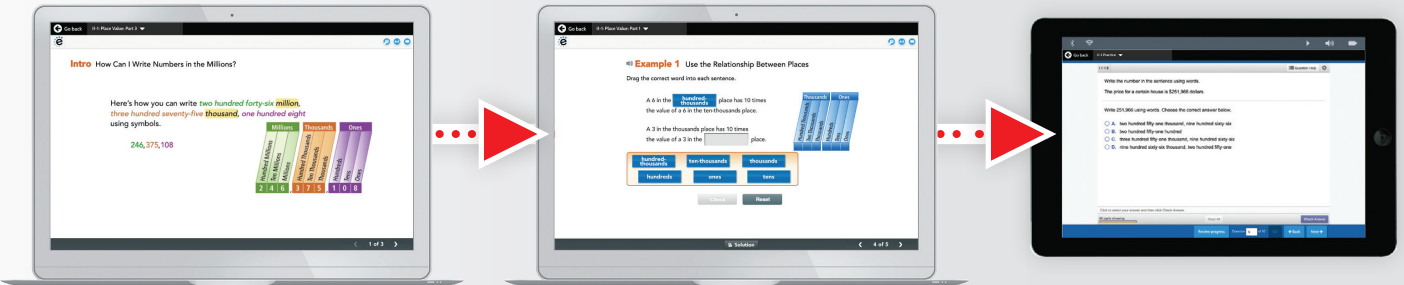
### Adaptive Study Plan

**During the Topic:**  
Based on missed concepts on the Topic Readiness Assessment, each student receives a targeted, personalized plan of additional online instruction, intervention lessons, and practice.



## Digital Intervention Lessons:

As part of students' study plans or as pullout lessons, designed for intensive remediation.



**Introduction** reviews the main concepts.



**Examples** provide explicit instruction, an opportunity to try a problem with scaffolding and a solution, and a Got It! exercise to assess understanding.

**Practice** exercises offer opportunities to reinforce the concepts from the lesson. Point-of-use support and tutorial help is embedded.



# The Language of Math

## Support ELLs and ALL Learners

All learners, including English Language Learners, need positive experiences with the language of math.



The ELL Toolkit offers teachers professional development specifically tailored to English Language Learners.

**FIVE ESSENTIAL PRINCIPLES FOR BUILDING ELL LESSONS** (continued)

**PRINCIPLE 4**  
**Enable Language Production**

Enabling language production for English language learners encompasses the four skills of listening, speaking, reading, and writing.

Because the language used by teachers and in content-area textbooks and assessment is sufficiently different from everyday spoken language, English language learners find themselves at a disadvantage in the classroom. Acquiring academic language in all four skill areas is challenging and requires at least five years of exposure to academic English to catch up with native-speaker norms. Therefore, particular attention should be paid to expanding ELLs' academic language so that they can access the learning materials and achieve success.

Brain research has ascertained that people under stress have difficulty learning and retaining new concepts. Students with limited language are naturally highly stressed. By promoting interaction among students where all contribute to a group effort, practice language, and develop relationships with one another, anxieties are reduced, thereby enabling more effective learning.

While the four language skills are intertwined, English language learners will likely not be at the same proficiency level in all four skills. Teachers will need to modify their instruction in response to students' strengths and needs in each area, keeping in mind the following concepts:

- When providing listening input to ELLs, the language must be understandable and should contain grammatical structures and vocabulary that are just beyond the current level of English language development.
- Teachers should provide appropriate "wait time" for students to respond to questions. ELLs need time to process the question and formulate an answer.
- For cultural reasons and/or due to lack of oral language skills, ELLs may not express themselves openly or may consider it disrespectful to disagree with authority figures.

Teachers should encourage students to verbalize their understanding of the content.

Think-alouds and recordings of oral reading increase oral language production.

In addition to frontloading and comprehensible input from the teacher, ELLs need to practice effective reading strategies, such as asking questions, taking notes, predicting, and summarizing.

There is a direct correlation between speaking and writing; by increasing oral language production, writing skills can be increased. For example, teachers can have ELLs say and write vocabulary to connect oral and written language.

Opportunities for students to write in English in a variety of writing activities should be built into the lessons. For example, reading-response logs and journaling are activities that increase written language production.

ELL Toolkit

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**Example 2**

A rancher maps the coordinates for a holding pen for his cattle. The rancher needs to bring the different elements of a complex activity or organization into a relationship that will ensure efficiency or harmony.

Click on each coordinate to see the corresponding point on the coordinate plane.

Coordinates:  $(-16.25, 4)$ ,  $(-4.5, 4)$ ,  $(-4.5, -6)$ ,  $(-16.25, -12)$ ,  $(8.25, -12)$

Vocabulary during the lesson and Visual Learning Animation Plus are explicitly emphasized.

**Histograma**

Un histograma es una gráfica de estadísticas que muestra la forma de un conjunto de datos con barras verticales encima de intervalos de valores en una recta numérica. Los intervalos tienen el mismo tamaño y no se superponen. La altura de cada barra muestra la frecuencia de los datos dentro de ese intervalo.

**Ejemplo** (Frequency = Frecuencia)

Grades on Math Tests This Year

Frequency

Score out of 100

A bilingual, animated glossary is available at any time.

## Built-in Professional Development

Guidance from the authors and snapshots of what student understanding may look like help teachers communicate clearly.

## Topic Overview Professional Development Videos

Authors share their expertise and information on each Topic.

## Listen and Look For Professional Development Videos

Examples of student work and discussion to illustrate what student understanding will look and sound like within selected lessons.



# enVisionSTEM

Rich, high-interest projects that incorporate math, science, and engineering.

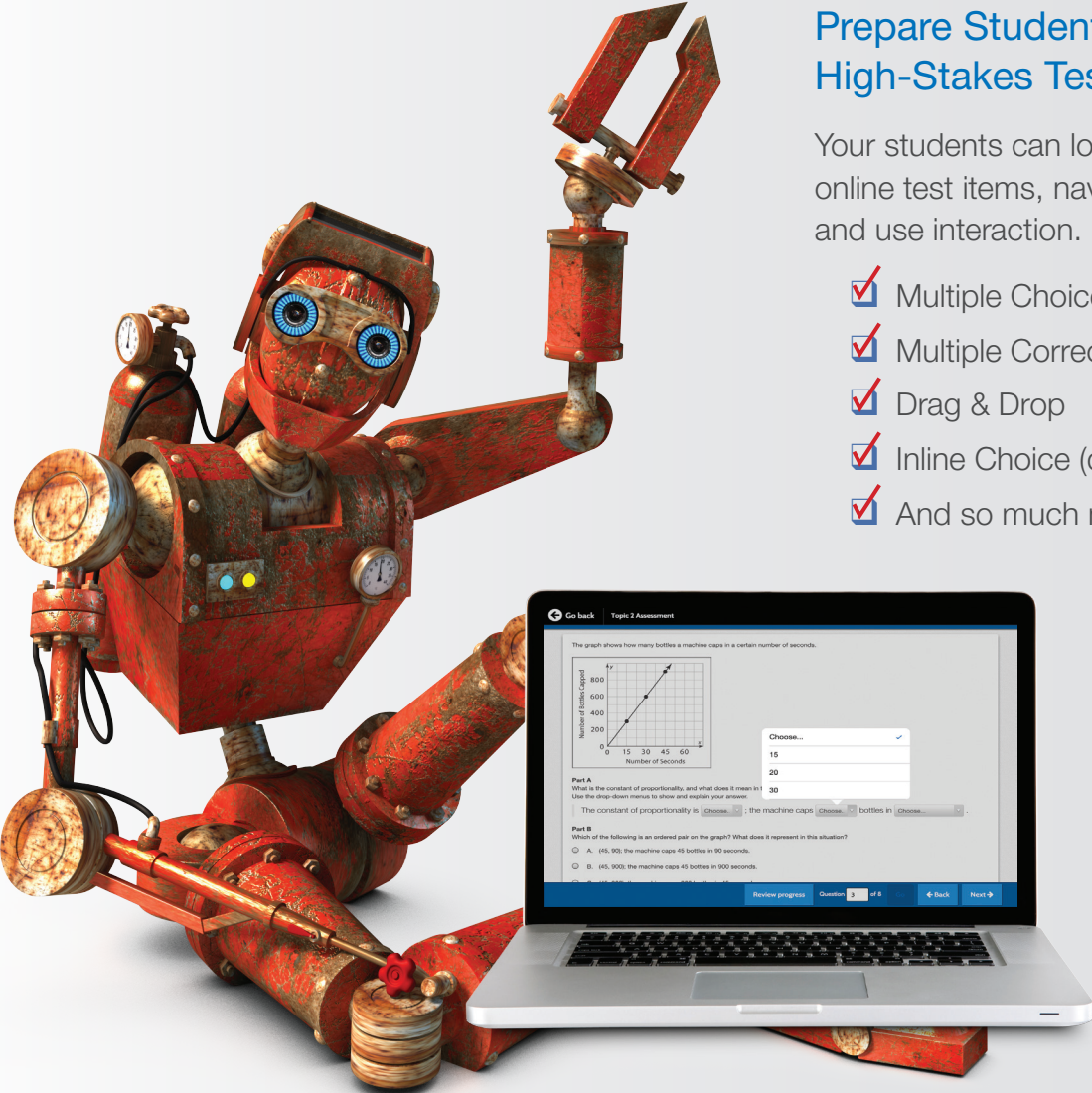


## Real-World Examples

Multi-lesson projects present situations that address real social, economic, and environmental issues

# Standards of Learning Tests

Technology-enhanced test items are in the same format your students will experience on **Standardized tests**.



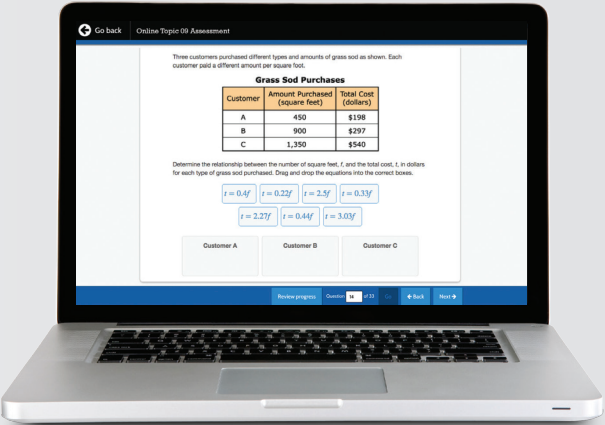
## Prepare Students for High-Stakes Tests

Your students can login and practice with online test items, navigate through a test, and use interaction.

- ☒ Multiple Choice
- ☒ Multiple Correct Multiple Choice
- ☒ Drag & Drop
- ☒ Inline Choice (drop-down menu)
- ☒ And so much more!

## Practice with New Assessment Items

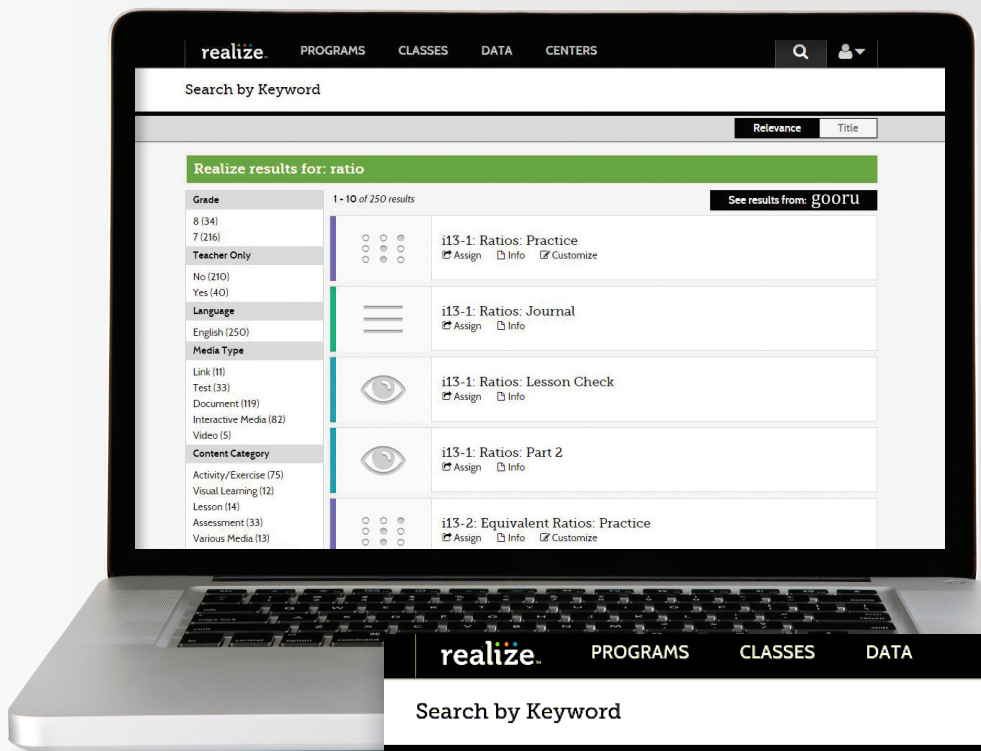
Students have the opportunity to work with multi-step and multi-part items in print and digital.





# Add the Power of Realize

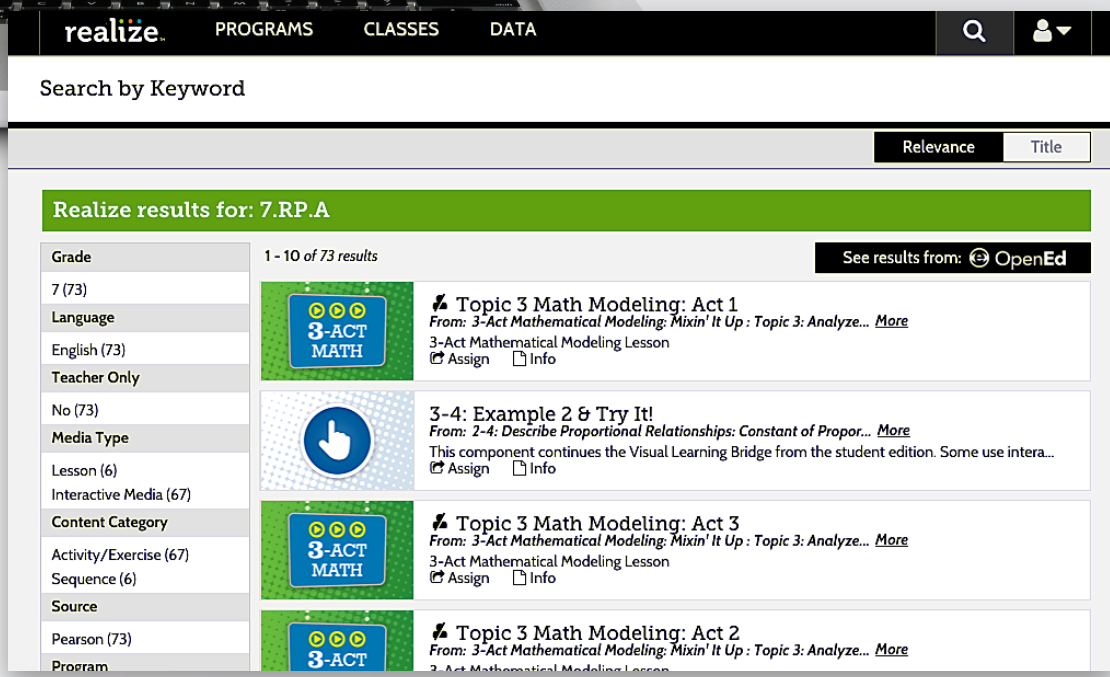
Customize the curriculum and make data-driven decisions. Savvas' Realize online management system offers flexibility in planning, teaching, learning, and progress monitoring.



The laptop screen displays the Realize search interface. The search results for 'ratio' show a list of resources including 'i13-1: Ratios: Practice', 'i13-1: Ratios: Journal', 'i13-1: Ratios: Lesson Check', and 'i13-2: Equivalent Ratios: Practice'. The interface includes filters for Grade, Teacher Only, Language, Media Type, and Content Category.

### Easy to Search and Find

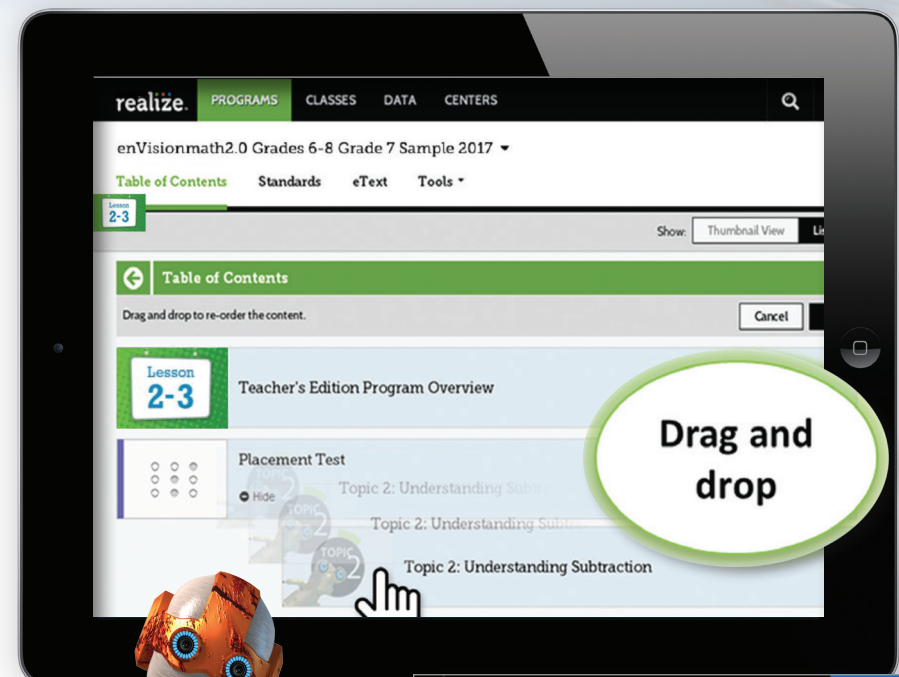
Search by keyword or standard. Find lessons, resources, and assessments. It's simple and quick.



The desktop screen displays the Realize search interface. The search results for '7.RP.A' show a list of resources including 'Topic 3 Math Modeling: Act 1', '3-4: Example 2 & Try It!', 'Topic 3 Math Modeling: Act 3', and 'Topic 3 Math Modeling: Act 2'. The interface includes filters for Grade, Language, Teacher Only, Media Type, Content Category, and Source.

## Make it Your Own


Upload district content, web links, or favorite resources to your lesson planner. Edit resources for your classroom. Upload content from Google Classroom.



The tablet screen displays the Realize Table of Contents interface. A callout bubble with the text 'Drag and drop' points to a lesson card. The interface shows a list of lessons and topics, including 'Lesson 2-3', 'Teacher's Edition Program Overview', 'Placement Test', and 'Topic 2: Understanding Subtraction'.

### From Fixed to Flexible

Content focuses on connected topics. But you can reorder topics and lessons to meet your own district sequence and curriculum guide.



A robot character is pointing at the desktop screen, which displays the Realize class mastery data for 'Ms. Smith Math Class'. The data shows mastery percentages for various standards and individual students.

### Data for Teaching and Learning

Check mastery and progress, track assignments, view time spent on tasks, and more.





# enVision<sup>®</sup>math<sup>®</sup>2.0

Grades 6–8

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**MSReviewer@enVision6-8** Password:

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For more information please contact your  
**MISSISSIPPI** Account General Manager:

**JACK JENNINGS**

601-842-3749

jack.s.jennings@savvas.com



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