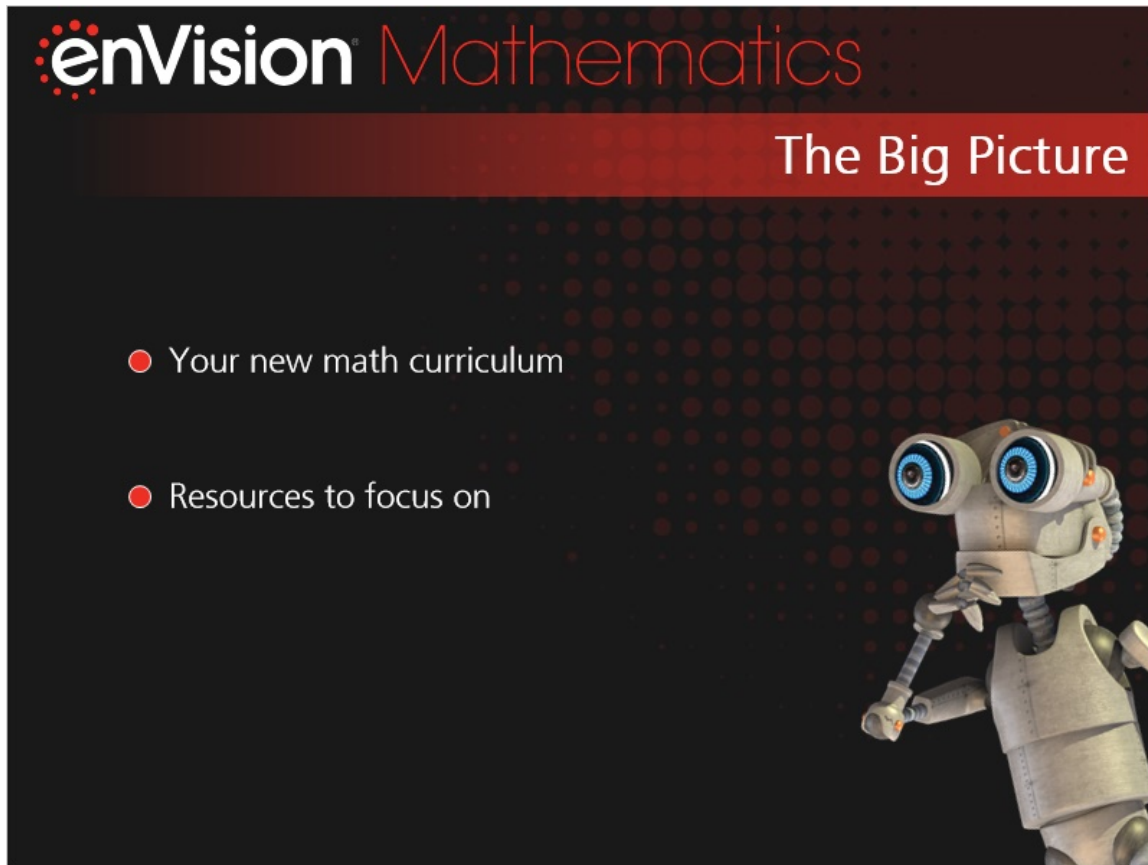


# enVision Mathematics © 2020

## The Big Picture

### *Introduction*



Welcome to **enVision** Mathematics! In this tutorial, I'll give you a big picture overview of your new math curriculum and identify a few resources to focus on as you get started.

## Components



**enVision** Mathematics components allow you and your students to easily access lesson content, videos, games, and interactive tools—in print, online, or offline.

## Program Components

The collage displays various components of the enVision Mathematics program. On the left, a red vertical bar features mathematical notations:  $g^{-1} \cdot g$ ,  $b^i$ ,  $i$ ,  $-2t$ ,  $v) = \sum_{h=1}^r$ ,  $F(x)$ ,  $h_n \left( \frac{x}{r} \right)$ ,  $\frac{1}{p_2}$ , and  $[g_2 ($ . The main area contains 12 book covers and 4 digital resource images. The book covers include:
 

- Teacher's Edition GRADE 3 VOLUME 1
- Additional Practice Workbook GRADE 3 VOLUME 1
- Teacher's Edition Program Overview GRADE 3
- Teacher's Resource Masters GRADE 3 VOLUME 1
- Today's Challenge Teacher's Guide GRADE 3
- Language Support Handbook GRADE 3
- Assessment Sourcebook GRADE 3

 Below the books are images of:
 

- Stacks of black and red student workbooks.
- A 'Math Practices' poster featuring a cartoon character.
- A 'BRAIN vs. MACHINE' informational poster.
- A collection of colorful geometric shapes.
- A digital interface shown on a laptop, tablet, and smartphone.

Click each component to learn more.  
When you're done, click **Next** to continue.

Now, let's learn about the main components of this program.

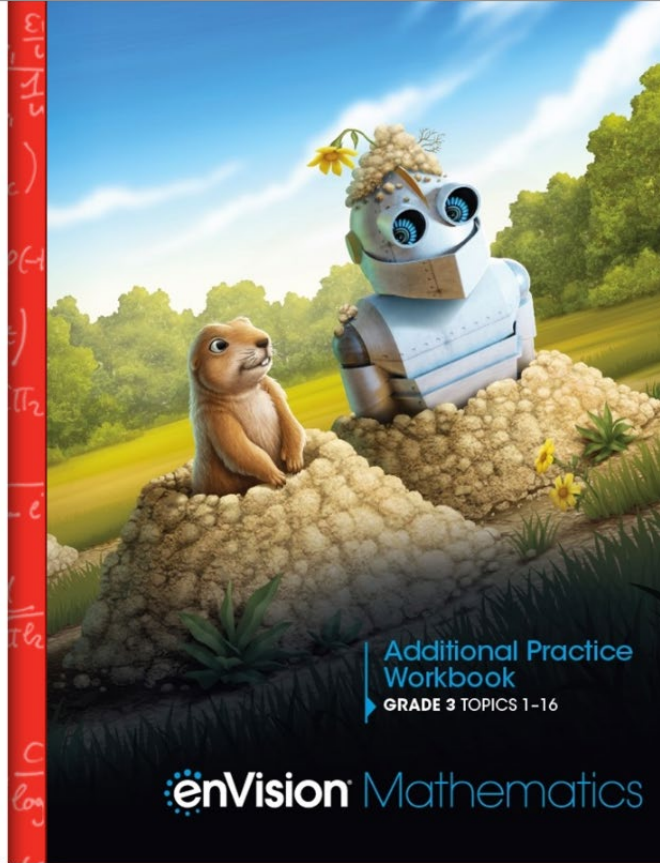
## Student's Edition

Students develop deeper understanding of math ideas by explaining their thinking, solving problems, and making the Student's Edition their own. Use the digital Interactive Student's Edition online or offline to increase student engagement.



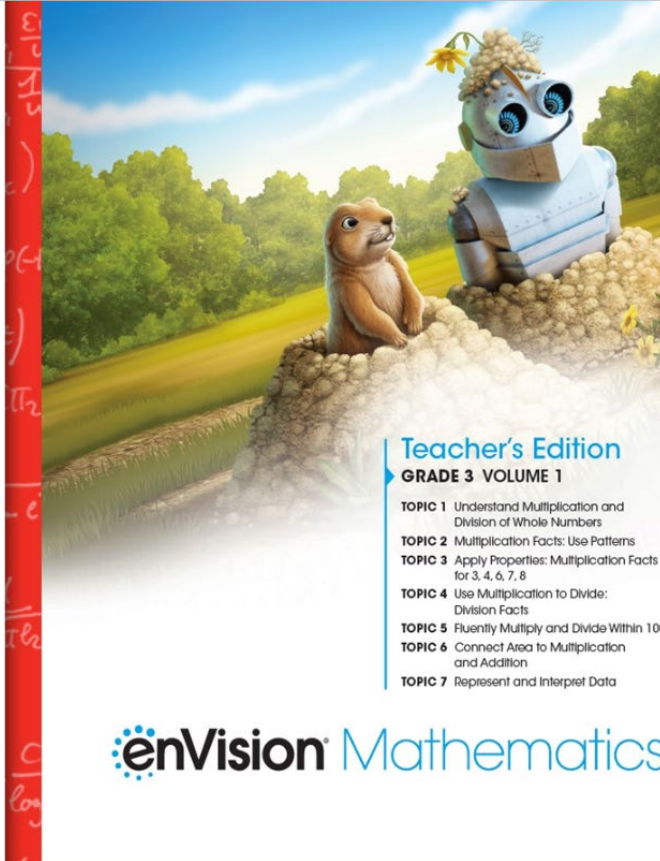
## Student Additional Practice Workbook

This print workbook includes two pages of additional practice for each lesson, giving you more options to reinforce every lesson as homework or independent practice. The digital *Interactive Additional Practice Workbook* is available online or offline.



## Teacher's Edition

Your Teacher's Edition is packed with comprehensive teaching support, Effective Teaching Practices, and guidance to help you plan topics and lessons. Download the Teacher's Edition Realize Reader for digital access online or offline.



### Teacher's Edition

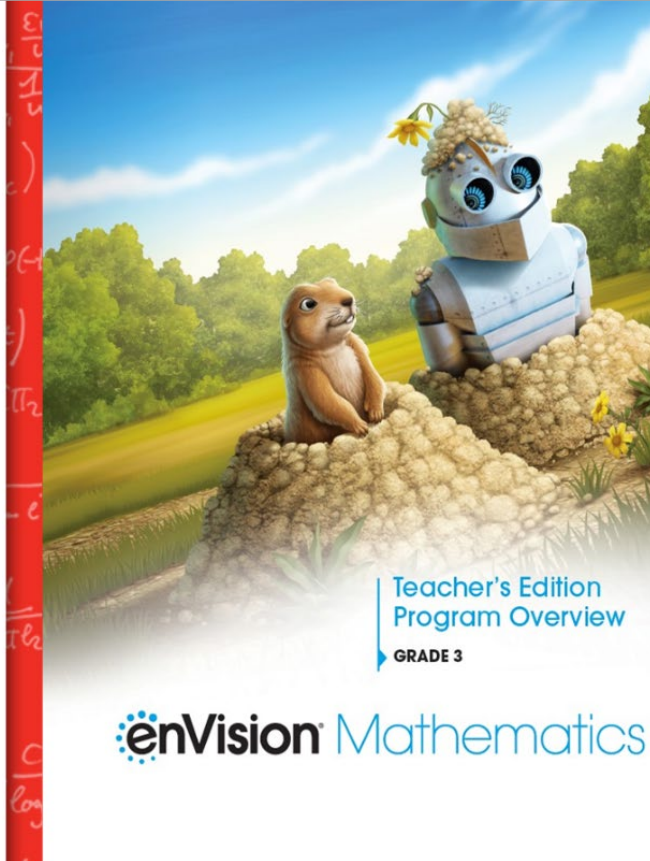
#### GRADE 3 VOLUME 1

- TOPIC 1** Understand Multiplication and Division of Whole Numbers
- TOPIC 2** Multiplication Facts: Use Patterns
- TOPIC 3** Apply Properties: Multiplication Facts for 3, 4, 6, 7, 8
- TOPIC 4** Use Multiplication to Divide: Division Facts
- TOPIC 5** Fluently Multiply and Divide Within 100
- TOPIC 6** Connect Area to Multiplication and Addition
- TOPIC 7** Represent and Interpret Data

**enVision** Mathematics

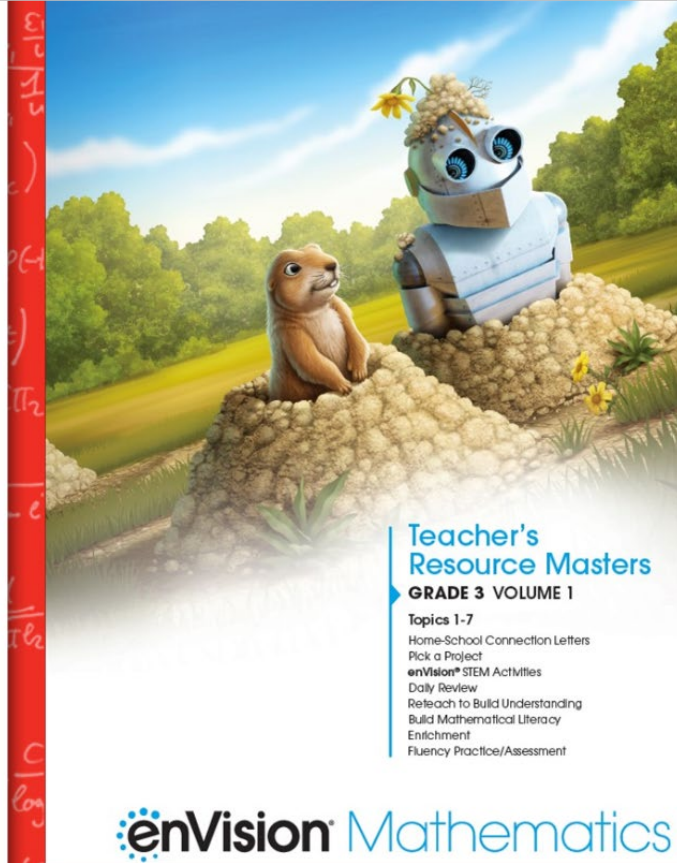
## Teacher's Edition Program Overview

This great resource has a comprehensive overview of the program, information about the instructional design, and a User's Guide that contains step-by-step information about how to plan and teach with **enVision** Mathematics. Don't miss the helpful Pacing Guide in the front and Scope and Sequence in the back of the book.



## Teacher's Resource Masters

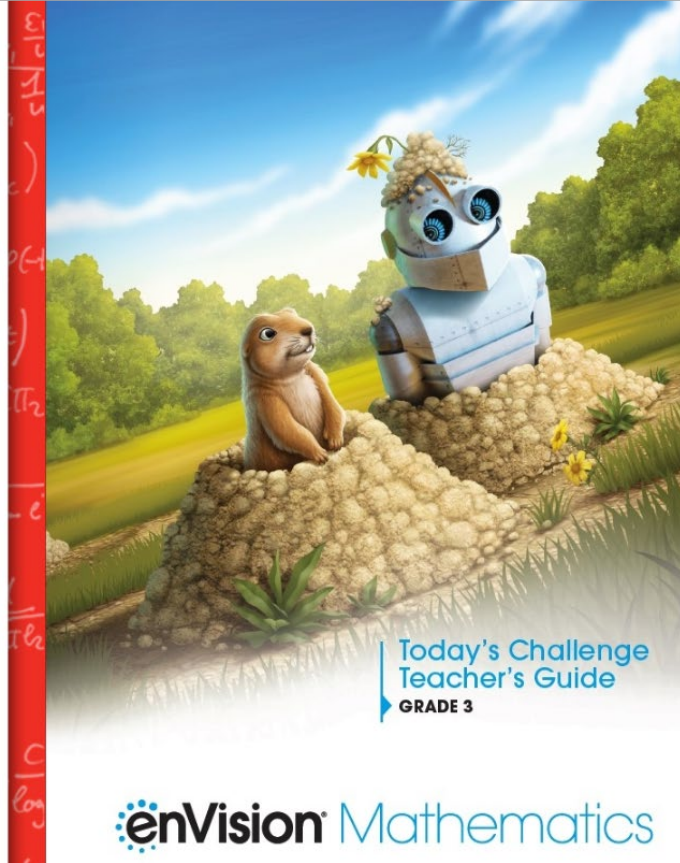
This book includes handy resources like Home-School Connection letters, project and activity masters, and differentiated practice masters.





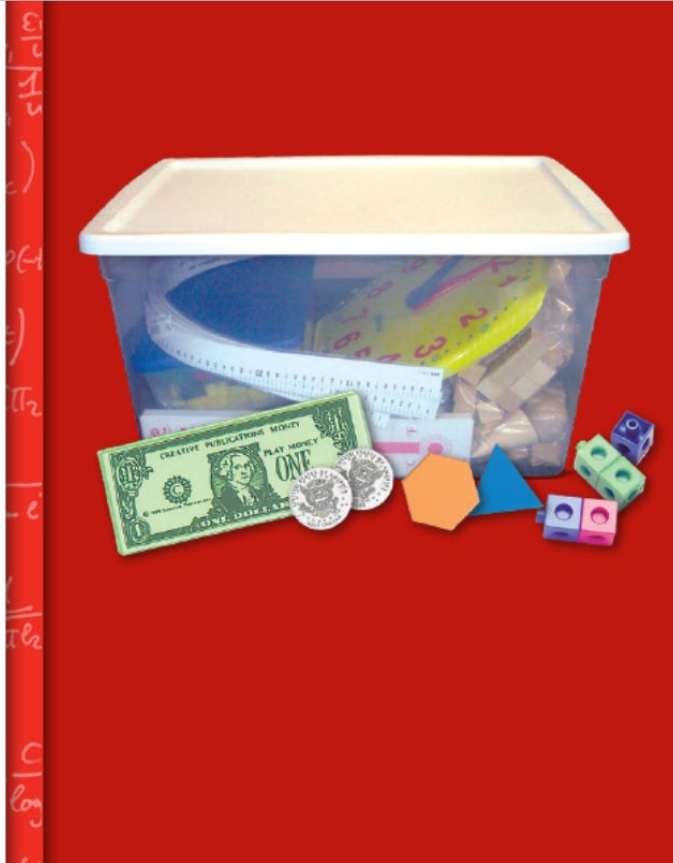
## Today's Challenge Teacher's Guide

The Today's Challenge multi-day activity offers increasingly rigorous math problems using the same data set, building student perseverance. Use the *Today's Challenge Teacher's Guide* to plan for engaging discussions each week.



## Manipulatives Kits

Engage learners in problem solving, sorting, patterns, measurements, mathematical operations, and communicating mathematical ideas using the comprehensive manipulatives kits for your grade level.



## Quick-and-Easy Centers Kit for Differentiated Instruction

Use these handy pocket organizers to hold the Problem-Solving Levelled Reading Mats and worksheets, project and activity sheets, center materials, and more!



**enVisionCENTERS**

- Problem-Solving Reading Mats
- Problem-Solving Reading Activities
- Center Games
- Math and Science Activities
- Digital Math Tools Activities

**Problem-Solving Reading Mat**

**BRAIN VS. MACHINE**

Think of a battle between brain and machine. The brain would win! A computer does much very quickly. It cannot create. It cannot match the human mind. Humans stay one step ahead.

**Your brain**

- Has billions of neurons
- A neuron is a brain cell. It sends out electrical signals and reacts
- Signals travel 30 feet per second
- It reacts while you sleep. It reacts while you're awake!

**Your computer**

- It has billions of parts
- It can read signals one billionth of a second
- They go millions of miles per second
- They run fast in a split second

**Prodiges**

Some young prodigies have great skills. They are called prodigies. They may have skills without us. They may have skills without us. They may have skills without us. They may have skills without us.

**Hard work**

Hard work often comes from hard work. Hard work often comes from hard work. Hard work often comes from hard work. Hard work often comes from hard work.

**Thinking like a person**

Some computers have the same thinking skills as people. They can think like a person. They can think like a person. They can think like a person. They can think like a person.

**Missing skills**

Computers calculate better than humans. They do not have the same skills as humans. They do not have the same skills as humans. They do not have the same skills as humans.

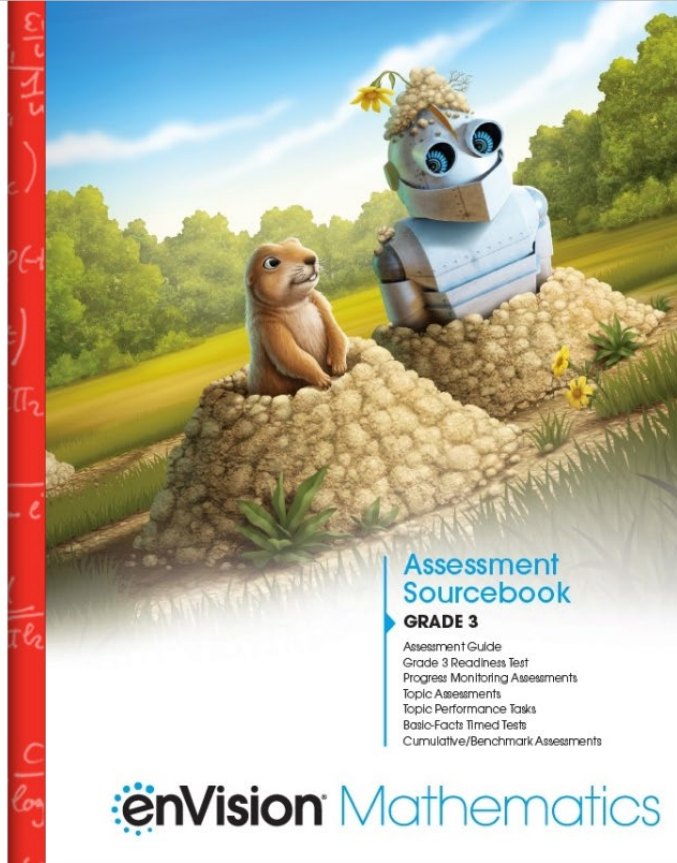
**What about your brain?**

If you have questions, ask your teacher. If you have questions, ask your teacher. If you have questions, ask your teacher. If you have questions, ask your teacher.

**enVision** **Pearson**

## Assessment Sourcebook

This sourcebook contains masters for the Readiness Test, Topic Performance Tasks, Basic-Facts Timed Tests (Grades 1-5), Cumulative/Benchmark Assessments, and Progress Monitoring Assessments.



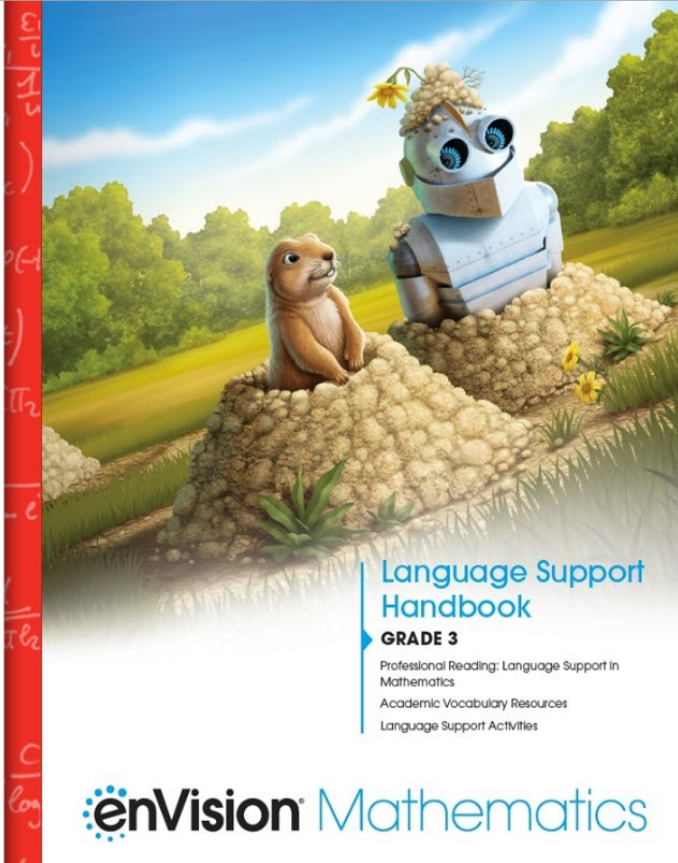
## Math Diagnosis and Intervention System

Diagnose student needs and provide intervention (on or below grade level) with this targeted system that includes two-page intervention lessons, guided instruction, and diagnostic tests.



## Language Support Handbook

This comprehensive handbook helps you support all students with content-area literacy skills. Topic- and lesson-specific instructional support, activities, and routines promote academic language development.



## Math Practices Posters

These engaging posters have student-friendly language and images that describe the math practices. Hang them in your classroom to support discussion of a specific math practice. Also check out the Math Practices Animations online at [SavvasRealize.com](http://SavvasRealize.com).



**enVision**  
**Math Practices**

**3** Construct viable arguments and critique the reasoning of others.

Good math thinkers use math to explain why they are right. They can talk about the math that others do, too.

**Thinking Habits**  
Be a good thinker! These questions can help you.

- How can I use numbers, objects, drawings, or actions to justify my argument?
- Am I using numbers and symbols correctly?
- Is my explanation clear and complete?
- What questions can I ask to understand other peoples thinking?
- Are there mistakes in other peoples thinking?
- Can I improve other peoples thinking?

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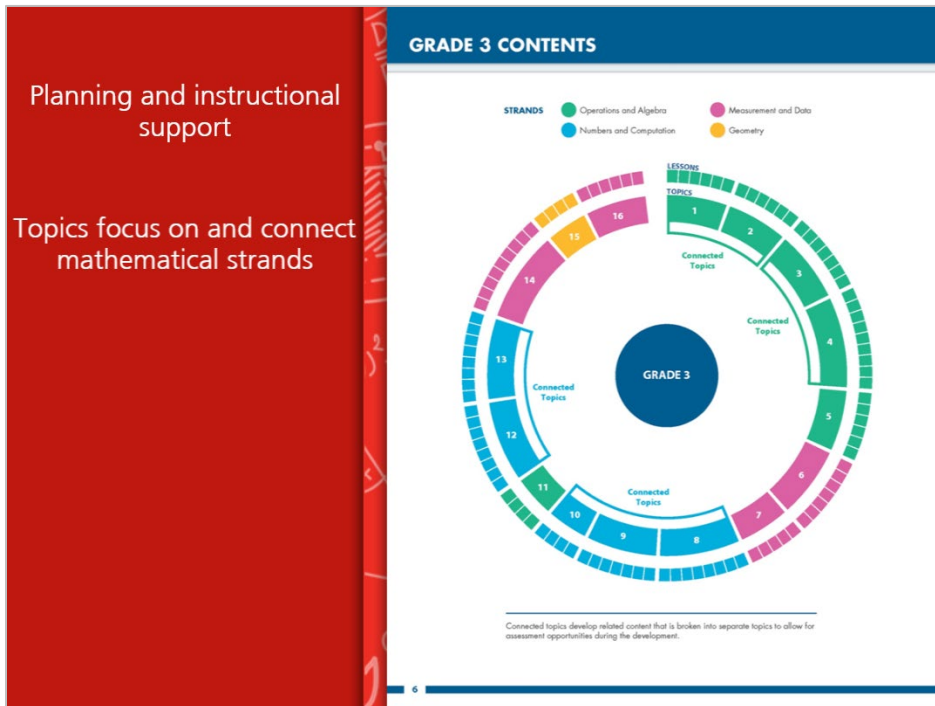
## Savvas Realize

Savvas Realize is the online learning management system for **enVision** Mathematics. A full suite of personalized teaching and learning tools helps students master the content and offers teachers flexibility in planning, teaching, learning, and progress monitoring. All **enVision** resources are available on [SavvasRealize.com](https://SavvasRealize.com).





## Topic Structure



The Teacher’s Edition has tons of planning and instructional support at the topic and lesson level.

Topics are like chapters; each topic or group of connected topics has a specific focus within a mathematical strand.

At the beginning of each topic, check out the Topic Planner which lays out the important information and resources you’ll use during the topic.

Then dig in to the Math Background pages about the focus, coherence, rigor, math practices, and Effective Teaching Practices involved in supporting the key mathematical ideas of the topic.

Examine the Differentiated Instruction page to help you identify resources to use for students who need intervention during the topic.

Support all of your students, including English language learners, as they build their math and literacy skills with vocabulary and reading activities.

Use the Topic Opener to introduce the Topic Essential Question, **enVisionSTEM** Project, and vocabulary to your students. Use the Review What You Know to assess your students’ prior knowledge.

At the start of each topic, Pick a Project lets students select the project that is most interesting to them. In the Activity Centers for some lessons, time is allotted for students to work on the project they selected.

3-Act Math tasks are engaging lessons that give students opportunities to actively work on mathematical modeling. A 3-Act Math task is provided in each odd-numbered topic.

Finally, the Lesson Overviews have all of the key information to plan your 3-step lessons.

**Quick Tip**


For more information about planning at the topic level, see the Preparing for a Topic section of the *Teacher's Edition Program Overview*.

## 3-Step Lessons

### 3-Step Lesson Structure

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- Conceptual understanding
  
- Procedural fluency
  
- Application skills



The image displays two covers of the enVision Mathematics Grade 3 Volume 1 textbook. The top cover is the student edition, featuring a blue robot and a brown squirrel sitting on a mound of dirt in a grassy field. The bottom cover is the Teacher's Edition, which includes a table of contents listing the following units:

Teacher's Edition	
GRADE 3 VOLUME 1	
UNIT 1	Understand Multiplication and Division of Whole Numbers
UNIT 2	Multiplication Facts (Use Patterns)
UNIT 3	Apply Properties: Multiplication Facts (0, 1, 2, 5, 10)
UNIT 4	Use Multiplication to Divide: Division Facts
UNIT 5	Fluently Multiply and Divide Within 100
UNIT 6	Connect Area to Multiplication and Addition
UNIT 7	Represent and Interpret Data

enVision Mathematics uses a 3-step lesson structure to help your students build deep conceptual understanding as well as procedural fluency and application skills.

## The Three Steps

Step 1: Problem-Based Learning

Step 2: Visual Learning

Step 3: Assess and Differentiate



Hover over each step of the lesson to learn more.  
When you're done, click **Next** below.



Let's learn more about each of the three steps.

## Step 1: Problem-Based Learning

Step 1: Problem-Based Learning

Step 2: Visual Learning

Step 3: Assess and Differentiate



Step 1 of each lesson starts with a Solve & Share problem-based learning task. While providing students opportunities to create their own solution methods and models, you'll introduce concepts with a problem-solving experience that activates students' prior knowledge.

## Step 2: Visual Learning

Step 1: Problem-Based Learning

Step 2: Visual Learning

Step 3: Assess and Differentiate



In Step 2: Visual Learning, you'll help students connect what they saw in the Solve & Share to the important math concepts of the lesson. Using enhanced direct instruction, the Visual Learning Bridge, and a variety of engaging examples, students will examine multiple representations of new concepts to help them build conceptual understanding.

### Step 3: Assess and Differentiate

Step 1: Problem-Based Learning

Step 2: Visual Learning


Step 3: Assess and Differentiate



In Step 3: Assess and Differentiate, you'll monitor student progress with a Lesson Quick Check, and then use a variety of program resources to provide targeted differentiation to small groups. While you work with small groups, your other students can work on a rotation of activities: Pick a Project, Problem-Solving Leveled Reading Mat activities, enVisionSTEM activities, and more!

**Quick Tip**

For more information about the 3-step lesson structure, see the Using a Lesson section of the *Teacher's Edition Program Overview* and the *Teaching a Lesson* tutorial on [MyPearsonTraining.com](http://MyPearsonTraining.com).





## Closing



The image is a promotional graphic for enVision Mathematics. At the top left, the logo "enVision Mathematics" is displayed in white and red text. To the right, a red banner contains the text "Thank You!" in white. Below the banner is a photograph of a female teacher in a white lab coat standing in front of a green chalkboard, smiling and pointing at it. Four young students (two girls and two boys) are standing in front of the chalkboard with their hands raised. To the right of the photograph is a 3D rendered robot character with large blue eyes and a friendly expression. At the bottom of the graphic, the text "my SAVVAS Training" is written in white.

Thanks for joining me and learning about your new math curriculum today. I hope you're excited to get started planning and teaching with **enVision** Mathematics.

And be sure to check out My Savvas Training when you're ready to learn more about **enVision** Mathematics and Savvas Realize!