Program Overview

Introduction
This guide explores the enVisionMATH® Common Core Pearson Realize™ Edition.

It investigates the foundations and organization of the program, explores the print and digital resources for teachers and students, and familiarizes you with the suite of assessment tools that are available to you.

You may want to end the Summarize phase by writing down some conclusions and posing a problem or two to check students’ understanding.

Foundations
enVisionMATH® Common Core was built to fully address the Common Core State Standards for Mathematics (CCSSM).

The program is organized by the same domains that exist in the CCSSM.

- Counting and Cardinality (K only)
- Number and Operations in Base 10
- The Number System (Gr 6 only)
- Number and Operations: Fractions
- Ratios and Proportional Relationships (Gr 6 only)
- Operations and Algebraic Thinking
- Expressions and Equations (Gr 6 only)
- Geometry
- Measurement and Data
- Statistics and Probability (Gr 6 only)
The program provides in-depth coverage of the CCSSM with a streamlined collection of topics at each grade level. By focusing on a limited set of topics, your students have time to achieve deep conceptual understanding.

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<th>Topic</th>
<th>Description</th>
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<td>Topic 1</td>
<td>Numeration</td>
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<td>Topic 11</td>
<td>Two-Dimensional Shapes and Their Attributes</td>
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<td>Topic 12</td>
<td>Time</td>
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<td>Topic 13</td>
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<td>Area</td>
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<td>Topic 15</td>
<td>Liquid Volume and Mass</td>
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<td>Topic 16</td>
<td>Data</td>
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enVisionMATH® Common Core uses Big Ideas that extend across grade levels to reflect the coherence in the CCSSM.

These Big Ideas connect Essential Understandings from many different lessons.

**Problem Solving**

Lessons in enVisionMATH® Common Core build on a foundation of problem solving. Students develop conceptual understanding and computational fluency through daily work on rich problems. Focus students on problem solving with each lesson’s Problem-Based Interactive Learning (PBIL) activity.
Continue their focus throughout the lesson, ending with the Problem Solving exercises.

Students have multiple opportunities throughout each lesson to build reasoning skills and become mathematically proficient thinkers.

Every topic includes a Performance Task that you can use to assess students’ understanding.

**Visual Learning**

Students continue to build conceptual understanding through purposeful illustrations.

The Visual Learning Bridge connects the PBIL activity with the lesson exercises. It gives students a way to focus on the key concept of a lesson. They practice making connections between various parts of the concept.

Use the Visual Learning Animation for a dynamic illustration that lets students hear, see, and learn math concepts.

Visual models, like bar diagrams, help students understand relationships between quantities.
Components

Components for enVisionMATH® Common Core are available in print or digital format.

Find digital resources online at PearsonRealize.com. You can also access teacher resources—including Visual Learning Animations—on DVD.
Each grade level is divided into topics. The topics—and their associated resources—are organized and color coded by Common Core domain.

Grade 3 Domain Colors

- **Domain: Number and Operations in Base Ten**
  - **Topics**: 1, 2, and 3

- **Domain: Operations and Algebraic Thinking**
  - **Topics**: 4, 5, 6, 7, and 8

- **Domain: Number and Operations—Fractions**
  - **Topics**: 9 and 10

- **Domain: Geometry**
  - **Topic**: 11

- **Domain: Measurement and Data**
  - **Topics**: 12, 13, 14, 15, and 16

There is an individual Teacher’s Edition for each topic.

**Teacher’s Edition Program Overview**

The *Teacher’s Edition Program Overview* provides a comprehensive overview of the entire grade-level program. It contains a variety of valuable resources that you will want to reference:

- Correlations and support for implementing the CCSSM
- A complete scope and sequence, organized by Common Core domain
- Research and guiding principles that support the program
- A lesson walk-through to illustrate the program’s instructional design
- Resources for teaching English language learners (ELLS)
- Instructional support for program implementation, including suggestions for organizing your classroom, using manipulatives, using technology, and communicating with parents
- A yearlong curriculum guide to help with planning and pacing
Each Topic Teacher’s Edition provides everything that you need to prepare for and teach a topic.

It begins with an overview of the topic, mathematical background information for you, and other planning resources.

There is a complete teaching plan for every lesson in the topic. The first page of each lesson identifies Common Core Content and Practice Standards. You will also find important Math Background information for the topic.

Instructional support embedded at point of use helps you teach and assess as students develop content knowledge and the mathematical practices.
To make it easy for you to respond to students’ individual needs and provide them with the opportunity to succeed, each lesson includes daily, data-driven differentiated instruction.

**Teacher’s Resource Masters**

Your resource package includes Teacher’s Resource Masters books, which are also organized by Common Core domain. These contain the most commonly used masters for each lesson, including

- Daily Common Core review;
- Quick Check;
- Reteaching;
- Practice; and
- Enrichment.

You will also find links to each of these resources online, embedded into each Lesson on Pearson Realize™.

**Online-Only Content**

enVisionMATH® Common Core includes a wealth of online-only resources that harness the power of digital learning.

Introduce new content with Topic Opener videos. These videos bring new math concepts to life.

You and your students can access online Math Tools. Use them in class or have your students use them at home to actively engage with digital manipulatives.
Access Math Games to motivate, reinforce skills, and develop procedural fluency.

Find Listen and Look For videos to help you prepare lessons and assess your students’ understanding.

<table>
<thead>
<tr>
<th>Mathematical Practices</th>
<th>Because it was built around the Common Core, enVisionMATH® Common Core contains ample support for the Standards for Mathematical Practice.</th>
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</thead>
<tbody>
<tr>
<td><strong>Mathematical Practices</strong></td>
<td>Make sense of problems and persevere in solving them.</td>
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<tr>
<td>✓ Reason abstractly and quantitatively.</td>
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<td>✓ Construct viable arguments and critique the reasoning of others.</td>
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<td>✓ Model with mathematics.</td>
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<tr>
<td>○ Use appropriate tools strategically.</td>
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<tr>
<td>○ Attend to precision.</td>
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<tr>
<td>○ Look for and make use of structure.</td>
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<tr>
<td>○ Look for and express regularity in repeated reasoning.</td>
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A new Mathematical Practices Handbook is located at the beginning of the student edition. The handbook helps students learn about, use, and connect the mathematical practices.

Share mathematical practice animations, available through Pearson Realize™, to provide dynamic examples of how to use the mathematical practices to solve problems.

In the Topic Teacher’s Editions, you can see at a glance which mathematical practices to focus on in a given lesson.

Find suggestions that you can use to promote and assess the mathematical practices embedded at point of use.
Differentiated Instruction

enVisionMATH® Common Core provides adaptations, accommodations, and differentiated instruction for all learners.

Every Topic Teacher’s Edition includes topic-specific strategies for ELL, Special Needs, Below-Level, and Advanced/Gifted students.

Each lesson provides options for differentiation based on data that you collect during daily formative assessments. The Intervention Activity, On-Level Center Activity, and Advanced Center Activity provide options for students who are working below, at, or beyond grade level.

Find strategies for supporting ELL students throughout the teacher materials.

Similarly, there are three Leveled Homework assignments.
Assessment  

enVisionMATH® Common Core offers diagnostic and assessment resources to use at various times. This includes
• start of the year;
• start of a topic;
• during a lesson;
• end of a lesson;
• end of a topic;
• every four topics; and
• end of the year.

Additionally, the ExamView® Assessment Suite has been updated to align with the CCSSM.

The Math Diagnosis and Intervention System 2.0 provides you with targeted intervention lessons that you can use when you need them. The updated system has been realigned for the CCSSM, contains new lessons that focus on the mathematical practices, and provides enhanced instructional support for each lesson.

Review  

This guide examined the enVisionMATH® Common Core Pearson Realize™ Edition.

It investigated the foundations and organization of the program, explored the print and digital resources for teachers and students, and familiarized you with the suite of assessment tools that are available to you.