

Program Overview

Introduction This guide discusses the Florida enVisionMATH program philosophy, research, and organization. It also explains the core program components including the online digital resources.

This guide covers both primary and intermediate grade-level examples. These examples apply to any grade level.

Program Philosophy and Research EnVisionMATH Florida is designed to teach the Florida Next Generation Sunshine State Standards in a cohesive curriculum with an all new research-based instructional design to ensure success for all students.

Topic 12 **Congruence and Symmetry**

Big Idea 3 MA.3.G.3.1, MA.3.G.3.3

Supporting Ideas
 Number and Operations MA.3.A.6.2

Lessons

12-1	Geometry: Congruent Shapes	260A
12-2	Problem Solving Solve a Simpler Problem	262A
12-3	Geometry: Line Symmetry	264A
12-4	Geometry: Drawing Shapes with Lines of Symmetry	266A
12-5	Geometry: Building Shapes with Congruence and Symmetry	268A
12-6	Problem Solving Use Objects	270A

Independent scientific research conducted by Planning, Research & Evaluation Services (PRES) Associates verifies that the new instructional design increases test results for all students, including English learners and low-level, on-level, and above-level students.

The content is organized in a sound mathematical sequence that provides in-depth instruction of the benchmarks within the topics. The goals of this instructional design are to provide innovative conceptual development through problem-based interactive learning and visual instruction.

Step-by-step visual instruction provides access to the content for all students. Embedded ELL strategies are found within the instruction and assessment.

EnVisionMATH Florida also infuses problem solving and the use of bar diagrams to help students see the operations needed to solve problems.

The program embeds data-driven RtI with intervention and differentiated instruction to meet the needs of all students.

In addition, enVisionMATH Florida is available both in print and as a complete digital program that meets the needs of 21st century students.

Program Organization	EnVisionMATH is organized with each grade-level program divided into topics. Topics are organized and color-coded by content strands, such as Number and Operations, Algebra, and Problem Solving.
Topics are Focused	<p>Topics contain coherent, digestible groups of lessons with a common focus. Every grade level focuses on several Big Ideas and Supporting Ideas. These provide cohesion across lessons, topics, grades, and standards. In a Topic Teacher’s Edition, turn to the Math Background page.</p> <p>Topics feature one or more Unifying Concepts that connect lesson Essential Understandings. The sequence of enVisionMATH lessons target Florida benchmarks and develop math concepts in depth to teach for understanding.</p> <p>EnVisionMATH incorporates Understanding by Design, or UbD, which is a comprehensive approach to curricular planning developed by Grant Wiggins and Jay McTighe. Understanding by Design is included in every Topic Math Background, Topic Opener, Lesson Overview, Lesson Close, and Topic Performance Assessment. With a deeper understanding of math concepts, students can determine when and how to use specific math skills. This enables students to transfer what they learn and solve real-world problems.</p>
Topics are Flexible	Topics are small and flexible. Topic clusters centering around similar math concepts can be moved around to provide a personalized curriculum based on a school’s or district’s preferred math sequence.
Topics are Convenient	Topic materials are conveniently located in one box—the Teacher Resource Package. This saves time in planning lessons and organizing materials within the classroom; everything is in one place.
Core Program Components	The core program components include the Teacher Resource Package, Teacher Program Overview, Math Diagnosis and Intervention System, Student Editions, and Online Digital Resources.
Teacher Resource Package	<p>The Teacher Resource Package contains all of the Topic Teacher’s Editions. Each Topic Teacher’s Edition provides everything you need to prepare for and teach the topic. It contains the teaching plans for every lesson and includes references to additional reteaching, intervention, and assessment resources.</p> <p>Directly behind each Topic Teacher’s Edition is a Topic Pouch. This pouch contains all of the Teacher Resource Masters organized by lesson.</p> <p>A few examples include the Daily Spiral Review, Quick Check, and leveled Practice Masters. A Teaching Tools pouch at the back of the box contains masters for use during the entire school year.</p>
Teacher’s Program Overview	The Teacher’s Program Overview provides a comprehensive overview of the entire grade-level program. It contains an explanation of the research supporting the program, a pacing guide, and the complete

scope and sequence. This guide is a valuable and worthwhile resource; consider reviewing it before planning lessons.

Math Diagnosis and Intervention System

EnVisionMATH provides ongoing assessment, diagnosis, and intervention. There are three levels of intervention within the core program: Ongoing Intervention during the lesson, Strategic Intervention at the end of every lesson, and Intensive Intervention at the end of every topic.

The Math Diagnosis and Intervention System provides teachers with intervention lessons that can be used when needed. A flow chart in the Teacher’s Program Overview describes the embedded assessment and intervention in more detail.



Student Editions

Another core program component is the Student Edition. Intermediate grade levels use a traditional textbook. Primary grade level students use a four-page lesson sheet every day that includes instruction and practice problems with ample space for students to write.

Online Digital Resources

All of these program materials covered are also available online. All student and teacher materials, including the Math Diagnosis and Intervention System, can be accessed from school or from home. Pearson SuccessNet houses enVisionMATH Digital. In SuccessNet, teachers have access to the interactive lesson activities, such as the Topic Openers and Visual Learning Animations, Teacher’s and Student Editions, and Success Tracker.

Success Tracker is a powerful online assessment, diagnosis, remediation, and enrichment tool. With Success Tracker, students complete tests online and view immediate feedback about their results. Success Tracker then automatically assigns remediation. There are several detailed reports to help you track student progress and mastery of skills.

Review

This guide discussed the Florida enVisionMATH program philosophy, research, and organization. It also examined the core program components including the online digital resources.

For more information, please watch the enVisionMATH tutorials on this Web site.