

# Math Core Resources

## 1. Math U See (Grades K-12)

This approach to teaching math is designed to make you a better teacher and through you, better students. The first step is to watch the video, then use the manipulatives to practice the given skills for each lesson. This program provides perfect opportunities for teacher and student to see the material presented together and then tackles the concepts from a concrete base moving to the abstract.

## 2. Saxon Math (Grades K-12)

Start your children with an all inclusive, teacher-friendly textbook program written for Home School families. Reviews are contained in every lesson and frequent assessments are given. Lesson plans include scripted information for easy teaching and incremental development of concepts.

Saxon's materials cross over grade levels, and it is important that special attention be made to meet all standards (i.e. 5<sup>th</sup> grade standards are covered in 6/5 and 7/6).

## 3. Singapore Math (Grades K-5)

This California standards aligned curriculum that uses a simple approach to in-depth learning of mathematics. Children learn how to solve multi-step problems at a very early age in this program. If a family is uncertain where to begin with this curriculum, a placement test can be found at: [http://www.singaporemath.com/Placement\\_Test\\_s/86.htm](http://www.singaporemath.com/Placement_Test_s/86.htm)

## 4. McGraw-Hill Math in My World (Grades K-6)

Students apply math skills developed through real life themes that match their own interests, problems that challenge and engage, situations they can share and investigations they can carry out to reinforce math concepts and assure understanding of key skills.

## 5. Scott Foresman Addison Wesley MATH (Grades K-8)

This standards based math program includes activities and daily practice for each skill addressed. Chapter review, cumulative review, tests, and daily practice are included. This curriculum includes grades K-6, plus Middle School MATH Course 1, 2, and 3.

## 6. Excel Math (Grades K-6)

Excel Math includes mathematical concepts woven into a single coherent strand of curriculum. To more easily retain concepts, students are repeatedly given practice in the use of

the concepts, following their introduction, building a solid foundation on which to confidently build their mathematical skills. Designed to enhance existing teaching skills, and give students distributed practice on each concept, it provides a strong foundation in math. The result is a curriculum that produces results!

### 7. Miquon Math Grades (1-3)

Miquon Math introduces all four arithmetic operations and work with fractions in the first year. By the third year, students are graphing algebraic equations. Miquon Math gives children the basic tools early so that they can be independent problem solvers from the first day of school. This is a six workbook series (usually 2 books each year) and includes Cuisenaire rods.

### 8. Glencoe Pre-Algebra. Algebra. Geometry. Calculus (Grades 7-12)

An integrated transition to Pre-Algebra, Algebra and Geometry. The course includes integrations, applications to real life, connections to other disciplines, and use of technology. Modelings of the activities are included with an emphasis on problem-solving strategies.

### 9. Glencoe: Mathematics with Business Applications

This book fits the Business Mathematics course in high schools. It is structured around a three-pronged approach: Basic math review, personal finance and business mathematics. Build and strengthens students' basic skills in personal and business mathematics.

### 10. Glencoe Advanced Mathematical Concepts: Pre-Calculus with Applications

Provides comprehensive coverage of all the topics covered in a full-year Pre-Calculus course. Its unique unit organization readily allows for semester courses in Trigonometry, Discrete Mathematics, Analytic Geometry, and Algebra and Elementary Functions. Pacing and Chapter Charts for Semester Courses are conveniently located in the Teacher Wraparound Edition.

### 11. Glencoe: Mathematics Connections Integrated Applied (High School)

Integrated High School math text designed to meet the needs of high schools that offer a general high school math course. Algebra is introduced in chapter 1 and is integrated throughout the book.

### 12. Spanish instruction - Harcourt Brace Matematicas (1 – 6)

For math instruction in Spanish this series provides instruction that includes balance among conceptual understanding, connection to prior knowledge, skill proficiency, and problem-solving experiences. Instruction includes hands-on activities to develop concepts that help students engage in meaningful practice.

### 13. Spanish instruction - Santillana Matematicas (High School)

This series teaches math through vocabulary, language and experiences familiar to the Spanish-speaking student. This high School math program introduces students to key math concepts, including fractions, pre-algebra, geometry, algebra, trigonometry and statistics, and develops critical thinking skills to prepare students for standardized state exams.

### 14. Spanish instruction – Mundo Matematico (K – 6)

Designed specifically for Spanish-speaking students in grades K – 6, this program recognizes the importance of a student’s native language and culture in the acquisition of math concepts. It meets the needs of ESL students who must continue to learn math as they learn English in their ESL classes.