7th Grade Math

Course 2 Mathematics - Year at a Glance

Course # 1205040, 1205095

A Note to Parents: The Florida state standards require math teachers plan lessons that build knowledge of various mathematical concepts, develop the ability to apply these concepts, and engage students in critical thinking and discourse. All standards in the state course description are designed to be learned by the end of the course.

Please note the units of study listed below indicate the course sequence. Instructional pacing may vary. Specific questions regarding when content will be addressed in a specific course are best answered by the individual teacher.

Course Description

In Grade 7, instructional time should focus on four critical areas: (1) developing understanding of and applying proportional relationships; (2) developing understanding of operations with rational numbers and working with expressions and linear equations; (3) solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and (4) drawing inferences about populations based on samples.

IB MYP Notes: The International Baccalaureate® aims to develop inquiring, knowledgeable and caring young people who help to create a better and more peaceful world through intercultural understanding and respect. The MYP curriculum framework comprises eight subject groups, providing a broad and balanced education for early adolescents. The MYP requires at least 50 hours of teaching time for each subject group, in each year of the program. The MYP is inclusive by design; students of all interests and academic abilities can benefit from their participation.

CPALMS Link

Please follow the link below to learn more about the course expectations, the course standards, and to access student resources. The student resources include Florida Department of Education recommended resources that students can use to learn the concepts and skills in this course.
https://www.cpalms.org/PreviewCourse/Preview/10285

	Unit of Study	Unit Sequence
Quarter 1 Aug 10 – Oct 12	Unit 1: The Number System	• Integers & Absolute Value • Adding Integers • Subtracting Integers • Multiplying Integers • Dividing Integers • Rational Numbers • Adding Rational Numbers • Subtracting Rational Numbers • Multiplying Rational Numbers • Dividing Rational Numbers
	Unit 2: Expressions and Equations	• Algebraic Expressions • Adding & Subtracting Linear Expressions • Solving Equations Using Addition & Subtraction • Solving Equations Using Multiplication & Division • Solving Two-Step Equations
Quarter 2 Oct 13 – Dec 22	Unit 3: Inequalities	• Writing and Graphing Inequalities • Solving Inequalities Using Addition or Subtraction • Solving Inequalities Using Multiplication or Division
	Unit 4: Ratios and Proportions	• Ratios and Rates • Proportions • Writing Proportions • Solving Proportions • Scale Drawings • Slope
	Unit 5: Percent	• Percent & Decimals • Comparing & Ordering: Fractions, Decimals & Percent • The Percent Proportion • Percent of Increase & Decrease • Discounts & Mark-up • Simple Interest
Quarter 3 Jan 11 – Mar 11	Unit 6: Probability and Statistics	• Outcomes & Events • Probability • Experimental & Theoretical Probability • Compound Events • Independent & Dependent Events • Samples & Populations • Comparing Populations
	Unit 7: 2-D Geometry	• Adjacent & Vertical Angles • Complimentary and Supplementary Angles • Triangles** • Quadrilaterals • Circles & Circumference • Area of Circles • Ratio of Circumference to Diameter as related to Pi • Perimeters of Composite Figures • Areas of Composite Figures

Quarter 4 Mar 22 – May 27	Unit 8: 3-D Geometry	• Surface Area of Prisms • Surface Area of Pyramids • Surface Area of Cylinders • Cross-Sections • Volume of Prisms • Volume of Pyramids • Volume of Cylinders

Course Resources

Core Textbook:
Big Ideas - Students have online access through My.SarasotaCountySchools.net

Supplemental Resources:
i-Ready - Students log in through My.SarasotaCountySchools.net
Khan Academy
FSA Portal
For additional supplemental resources, please see your child's course syllabus.