

2025 - 2026 St. James Episcopal School Curriculum Map

Math

Quarter	5 th Grade	6 th Grade	7 th Grade	8 th Grade
1 st	Number Sense: Place Values, comparing numbers. Rounding numbers Add and Subtract: Commutative, associative, identity, and zero properties. Round decimals. Multiply and Divide: Commutative, Associative, and Distributive properties.	Number Patterns & Algebra Statistics & Graphs Decimals: Addition and Subtraction Decimals: Multiplying and Dividing Integers and Algebra	Geometry: Measurement of two-dimensional figures. Geometry: Angles and Polygons Geometry: Area and Circumference. Geometry: 3 dimensional figures Surface area and Volume	The Language and Tools of Algebra Solving Linear Equations Solving Linear Inequalities
2 nd	Geometry: Identify and name rays, angles. Identify lines as perpendicular, parallel, or intersecting. Measure and draw angles. Triangles Circles Division: 1-digit divisors, 2-digit divisors. Fractions: Compare, rename.	Algebra: Linear Equations Number Theory, Fractions, Percents, and Decimals Fractions: Addition and Subtraction Fractions: Multiplication and Division	Factors and fractions. Find the Greatest common factor and least common multiple of rational numbers and monomials. Add, subtract, multiply and divide rational numbers. Negative exponents. Ratios, proportions and percents.	Functions and Patterns Analyzing Linear Equations Solving Systems of Equations Using graphing: Using substitution Using elimination

2020 - 2021 St. James Episcopal School Curriculum Map Math

3 rd	Time and Customary Measurements: Renaming units of measure. Add and subtract customary measures. Add and subtract fractions: Fractions, Mixed numbers. Equations: Write a mathematical expression for a word phrase. Solve equations.	Ratios, Proportions, and Percents Sales Tax and Discounts Algebra: Solving Equations Probability	Functions and Graphing. Slope, Slope intercept form. Write linear equations and solve equations with variables on both sides and with grouping symbols. Solving inequalities. One step inequalities. Two step inequalities.	Factoring Polynomials Add, Subtract, Multiply and Divide rational expressions. Factor trinomials.
4 th	Geometry: Perimeter and Area of polygons. Area and circumference of circles. Fractions: Multiply and divide fractions, and mixed numbers. Simplify fractions. Decimals: Multiply and divide Geometry: Surface area and volume.	Geometry: Measurement of two-dimensional figures. Geometry: Angles and Polygons Geometry: Area and Circumference. Geometry: 3 dimensional figures Surface area and Volume	Pythagorean Theorem, Distance formula Similar figures Two dimensional figures: Find angle degrees in polynomials. Finding area and perimeter or circumference of 2 dimensional figures. Finding surface area and volume of 3 dimensional figures.	Solve Quadratic function by graphing, completing the square and using the quadratic formula. Exponential Functions Radical Expressions & Triangles ***This is a High School Algebra course. Higher expectations are placed on the scholars. This could possibly require spending additional time on homework.