

## Special Class Math Prioritized Curriculum Overview

Module: Topic	Skills	Approximate Weeks of Study
Module 1: Number System	<ul style="list-style-type: none"><li>• Add, subtract, multiply, and divide decimals and whole numbers</li><li>• Develop strategies for writing equivalent fractions using least common multiple.</li><li>• Find greatest common factor of two whole numbers</li><li>• Multiply and divide fractions and mixed numbers</li><li>• Use positive and negative numbers to describe quantities with opposite directions or values</li><li>• Use coordinates and absolute value to find distances between points on a coordinate plane</li></ul>	40 days
Module 2: Ratios and Proportional Relationships	<ul style="list-style-type: none"><li>• Relate rate and ratio situations and connect them to multiplication and division.</li><li>• Solve unit rate problems including those involving unit pricing and constant speed.</li><li>• Graph data from tables.</li><li>• Solve real-world problems involving rates, ratios, and proportions.</li></ul>	30 days
Module 3: Expressions and Equations	<ul style="list-style-type: none"><li>• Write and solve expressions involving exponents.</li><li>• Read, write, and solve expressions and use properties of operations to recognize when letters stand for numbers.</li><li>• Write inequalities to show real world mathematical situations and graph the answers on a number line.</li><li>• Use graphs, tables, and equations to show and analyze relationships between variables.</li></ul>	40 days
Module 4: Geometry	<ul style="list-style-type: none"><li>• Using formulas, find the area of triangles, parallelograms, and trapezoids.</li><li>• Draw polygons on a graph using a coordinate plane with given coordinates.</li><li>• Solve real world and mathematical problems involving volume.</li><li>• Represent prisms and pyramids using nets made from rectangles and triangles and then finding the area of the nets.</li></ul>	20 days

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Module: Topic	Skills	Approximate Weeks of Study
Module 5: Statistics and Probability	<ul style="list-style-type: none"><li>• Understand that a set of data can be described by its center, spread, and overall shape.</li><li>• Recognize that a measure of center of data, such as mean and median summarizes a set of data with a single number.</li><li>• Graph data on dot plots, histograms, and box plots.</li><li>• Display and interpret real world data.</li></ul>	15 days



