Special Class Math Prioritized Curriculum Overview

Topic	Skills +May need to add days, and or could keep pacing by substituting more work on basic concepts and procedures when work on more advanced applications are planned in regular classroom.	Approximate Weeks
Module 1: Ratios and Proportional Relationships	Students build on their Grade 6 experiences with ratios, unit rates, and fraction division to analyze proportional relationships. They decide whether two quantities are in a proportional relationship, identify constants of proportionality, and represent the relationship by equations. These skills are then applied to real-world problems including scale drawings.	30 days+
Module 2: Rational Numbers	Students continue to build an understanding of the number line from their work in Grade 6. They learn to add, subtract, multiply, and divide rational numbers in various/mixed forms (positive and negative integers, decimals, fractions). Students model and solve real world problems with rational number and explain the solution to a real-world problem in context. Module 2 includes rational numbers as they appear in expressions and equations - work that is continued in Module 3.	30 days+
Module 3: Expressions and Equations	Module 3 consolidates and expands students' previous work with generating equivalent expressions and solving equations. Students solve real-life and mathematical problems using numerical and algebraic expressions and equations. Their work with expressions and equations is applied to finding unknown angles and problems involving area, volume, and surface area.	35 days+
Module 4: Percent and Proportional Relationships	Module 4 parallels Module 1's coverage of ratios and proportion, but this time with a concentration on percent. Problems in this module include simple interest, tax, markups and markdowns, gratuities and commissions, fees, percent increase and decrease, and percent error. Additionally, this module includes percent problems about populations, which prepare students for probability models about populations covered in the next module.	25 days

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Module 5: Statistics and Probability	Students learn to draw inferences about populations based on random samples. Through the study of chance process, students learn to develop, use and evaluate probability models.	25 days (less)
Module 6: Geometry	Students draw and construct geometrical figures. They also revisit unknown angle, area, volume, and surface area problems, which now include problems involving percentages of areas or volumes.	35 days (less)