U-46 Curriculum Scope and Sequence
7th Grade Accelerated Math

Reporting Standard	Common Core Clusters	Core Standards
Ratios and Proportional Relationships	• Analyze proportional relationships and use them to solve real-world and mathematical problems • Solve real-life mathematical problems using numerical and algebraic expressions and equations. • Draw, construct and describe geometrical figures and describe the relationships between them.	7. RP.1, 7.RP. 2, 7.RP.3 7.EE.4 7.G.1
Rational Numbers	• Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers. • Use properties of operations to generate equivalent expressions • Solve real-life and mathematical problems using numerical and algebraic expressions and equations.	7.NS.1,7.NS.2, 7.NS.3 7.EE.2 7.EE.4
Expressions and Equations	• Use properties of operations to generate equivalent expressions • Solve real-life mathematical problems using numerical and algebraic expressions and equations. • Solve real-life and mathematical problems involving angle measures, area, surface area, and volume.	7.EE.1, 7.EE.2 7.EE.3, 7.EE. 4 7.G.4, 7.G.5, 7. G.6
Percent and Proportional Relationship	• Analyze proportional relationships and use them to solve real-world and mathematical problems • Solve real-life mathematical problems using numerical and algebraic expressions and equations. • Draw, construct and describe geometrical figures and describe the relationships between them.	7. RP.1, 7.RP. 2, 7.RP.3 7.EE.3 7.G.1
Statistics and Probability	• Use random sampling to draw inferences about a population • Draw informal comparative inferences about two populations • Investigate chance process and develop, use, and evaluate probability models.	7.SP.1, 7.SP.2 7.SP.3, 7.SP.4 7.SP.5, 7.SP.6, 7.SP.7, 7.SP.8
Geometry	• Draw, construct, and describe geometrical figures and describe the relationships between them. • Solve real-life and mathematical problems involving angle measures, area, surface area, and volume. • Solve real world and mathematical problems involving volume of cylinders, cones and spheres	7.G.2, 7.G.3 7.G.5, 7.G.6 **Supplement** 8.G.9
Integer Exponents and Scientific Notation	• Work with radicals and integer exponents	8.EE.1, 8.EE.3, 8.EE.4
The Concept of Congruence	• Understand congruence and similarity using the physical models, transparencies, or geometry software. • Understand and apply the Pythagorean Theorem.	8.G.1, 8.G.2, 8.G.5 8.G.6, 8.G.7
Similarity	• Understand congruence and similarity using the physical models, transparencies, or geometry software. • Understand and apply the Pythagorean Theorem.	8.G.3, 8.G.4, 8.G.5 8.G.6, 8.G.7
Linear Equations	• Understand the connections between proportional relationships, lines, and linear equations. • Analyze and solve linear equations and pairs of simultaneous linear equations.	8.EE.5, 8.EE.6 8.EE.7, 8.EE.8

Emphasis of Instruction

Priority Standards = Approximately 70% Supporting Standards = Approximately 20% Additional Standards = Approximately 10%