

Avon School Mathematics Curriculum

Grade 6

Curriculum Overview

In grade 6, instructional time should focus on four critical areas: (1) connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems; (2) completing understanding of division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers; (3) writing, interpreting, and using expressions and equations; and (4) developing understanding of statistical thinking.

The topics within this map are color coded to display the domains in which they correlate:

Ratios and Proportional Relationships

The Number System

Expressions and Equations

Geometry (embedded in units 1, 2, and 6)

Statistics and Probability

Reference: New Jersey Department of Education. New Jersey Student Learning Standards, 2016.

Reference: New Jersey Department of Education Division of Teaching and Learning. Curricular Framework, 2016.

Topic Title	Timeframe	New Jersey Student Learning Standards
Week 0 - Ready Math	First Week	5.OA.A.1, 5.OA.A.2, 5.NF.B.4, 5.NF.B.4.B
Unit 1: Area, Algebraic Expressions, and Exponents	September - November	6.G.A.1, 6.G.A.4, 6.EE.A.2, 6.EE.A.2a, 6.EE.A.2b, 6.EE.A.2c, 6.EE.B.6, 6.EE.A.1, 6.NS.B.4
Unit 2: Base-Ten, Operations, Division with Fractions, and Volume	November - January	6.NS.A.1, 6.NS.B.2, 6.NS.B.3, 6.G.A.2
Unit 3: Ratio Concepts and Equivalent Ratios	February	6.RP.A.1, 6.RP.A.3, 6.RP.A.3a
Unit 4: Unit Rates and Percents	March	6.RP.A.2, 6.RP.A.3, 6.RP.A.3b, 6.RP.A.3c, 6.RP.A.3d
Unit 5: Equivalent Expressions and Equations with Variables	April	6.NS.B.4, 6.EE.A.3, 6.EE.A.4, 6.EE.B.5, 6.EE.B.7, 6.EE.C.9
Unit 6: Absolute Value, Inequalities and the Coordinate Plane	May	6.NS.C.5, 6.NS.C.6, 6.NS.C.6a, 6.NS.C.6b, 6.NS.C.6c, 6.NS.C.7, 6.NS.C.7a, 6.NS.C.7b, 6.NS.C.7c, 6.NS.C.7d, 6.NS.C.8, 6.EE.B.5, 6.EE.B.8, 6.G.A.3
Unit 7: Data Distributions and Measures of Center and Variability	June	6.SP.A.1, 6.SP.A.2, 6.SP.A.3, 6.SP.B.4, 6.SP.B.5, 6.SP.B.5a, 6.SP.B.5b, 6.SP.B.5c, 6.SP.B.5d