BRISTOL WARREN REGIONAL SCHOOL DISTRICT

MATHEMATICS CURRICULUM

Sixth Grade

Year at a Glance

A snapshot of learning that summarizes learning expectations from our district curriculum units.

Unit #	Description	Standards
1 31 days	**Expressions and Equations: Area, Algebraic Expressions, and Exponents** ● Find the area of a parallelogram ● Find the area of triangles and other polygons ● Use nets to find surface area ● Work with algebraic expressions ● Write and evaluate expressions with exponents ● Find greatest common factor and least common multiple	6.NS.B.4 6.EE.A.1 6.EE.A.2 6.EE.B.6 6.G.A.1 6.G.A.4
2 23 days	**Decimals and Fractions: Base-Ten Operations, Division with Fractions, and Volume** ● Add, subtract, and multiply multi-digit decimals ● Divide whole numbers and multi-digit decimals ● Understand division with fractions ● Divide fractions ● Solve volume problems with fractions	6.NS.A.1 6.NS.B.2 6.NS.B.3 6.G.A.2
3 15 days	**Ratio Reasoning: Ratio Concepts and Equivalent Fractions** ● Understand ratio concepts ● Find equivalent ratios ● Use part-to-part and part-to-whole ratios	6.RP.A.1 6.RP.A.3
4 18 days	**Ratio Reasoning: Unit Rates and Percent** ● Understand rate concepts ● Use unit rates to solve problems ● Understand percents ● Use percents to solve problems	6.RP.A.2 6.RP.A.3
5 20 days	**Algebraic Thinking: Equivalent Expressions and Equations with Variables** ● Write and identify equivalent expressions ● Understand solutions of equations ● Write and solve one-variable equations ● Analyze two-variable relationships	6.NS.B.4 6.EE.A.3 6.EE.A.4 6.EE.B.5 6.EE.B.7 6.EE.C.9

6 24 days	**Positive and Negative Numbers: Absolute Value, Inequalities, and the Coordinate Plane** ● Understand positive and negative numbers ● Order positive and negative numbers ● Understand absolute value ● Write and graph one-variable inequalities ● Understand the four-quadrant coordinate plane ● Solve problems in the coordinate plane	6.NS.C.5 6.NS.C.6 6.NS.C.7 6.NS.C.8 6.EE.B.5 6.EE.B.8 6.G.A.3
7 21 days	**Statistical Thinking: Data Distributions and Measures of Center and Variability** ● Understand statistical questions and data distributions ● Use dot plots and histograms to describe data distributions ● Interpret median and interquartile range in box plots ● Interpret mean and mean absolute deviation ● Use measures of center and variability to summarize data	6.SP.A.1 6.SP.A.2 6.SP.A.3 6.SP.B.4 6.SP.B.5

1 day = 55 minutes