BRISTOL WARREN REGIONAL SCHOOL DISTRICT

MATHEMATICS CURRICULUM

Eighth Grade

Year at a Glance

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

Unit #	Description	Standards
1 20 days	**Rigid Transformations and Congruence** ● Rigid transformations ● Properties of rigid transformations ● Congruence ● Angles in a triangle	8.G.A.1 8.G.A.2 8.G.A.3 8.G.A.5 8.G.A.6
2 15 days	**Dilations, Similarity, and Introducing Slope** ● Dilations ● Similarity ● Slope	8.EE.B.6 8.G.A 8.G.A.2 8.G.A.3 8.G.A.4 8.G.A.5 8.G.A.6
3 16 days	**Linear Relationships** ● Proportional relationships ● Representing linear relationships ● Finding slopes ● Linear equations	8.EE.B 8.EE.B.5 8.EE.B.6 8.EE.C.8 8.G.A.1
4 18 days	**Linear Equations and Linear Systems** ● Puzzle problems ● Linear equations in one variable ● Systems of linear equations	8.EE.C 8.EE.C.7 8.EE.C.8
5 22-25 days	**Functions and Volume** ● Inputs and outputs ● Representing and interpreting functions ● Linear functions and rates of change ● Cylinders and cones ● Dimensions and spheres	8.F.A 8.F.A.1 8.F.A.2 8.F.A.3 8.F.B.4 8.F.B.5 8.G.C 8.G.C.9
6 12-13 days	**Associations in Data** ● Does this predict that? ● Associations in numerical data	8.SP.A.1 8.SP.A.2 8.SP.A.3

	● Associations in categorical data	8.SP.A.4
7 18 days	**Exponents and Scientific Notation** ● Exponent review ● Exponent rules ● Scientific notation	8.EE.A.1 8.EE.A.3 8.EE.A.4
8 18 days	**Pythagorean Theorem and Irrational Numbers** ● Side lengths and areas of squares ● The Pythagorean Theorem ● Side lengths and volumes of cubes ● Decimal representation of rational and irrational numbers	8.NS.A 8.NS.A.1 8.NS.A.2 8.EE.A.2 8.G.B 8.G.B.6 8.G.B.7 8.G.B.8
9 0-10 days	**Putting it All Together** (application of prior skills and concepts) ● Tessellations ● The weather	8.F.A.1 8.F.B 8.SP.A 8.G.A 8.G.A.5

1 day = 55 minutes