Westside High School
Curriculum Map: Math 8
2019-2020

Teacher: Engle

Map is still under construction and will be revised throughout the year.

2019-2020 Curriculum Map: Math 8th

Unit	Standards	Timeframe	Assessments	Unit Objectives/Big Ideas
1. Rigid Transformations and Congruence	8.G.A.1 8.G.A.1.a 8.G.A.1.b 8.G.A.1.c 8.G.A.2 8.G.A.3 8.G.A.5	20 days	Pre-Unit Assessment Mid-Unit Assessment End-Unit Assessment	● Rigid Transformations ● Properties of Rigid Transformations ● Congruence ● Angles in a Triangle
2. Dilations, Similarity, and Introducing Slope	8.G.A 8.G.A.2 8.G.A.3 8.G.A.4 8.G.A.5 8.EE.B.6	15 days	Pre-Unit Assessment End-Unit Assessment	● Dilations ● Similarity ● Slope
3. Linear Relationships	8.G.A.1 8.EE.B 8.EE.B.5 8.EE.B.6 8.EE.C 8.EE.C.8.a	17 days	Pre-Unit Assessment End-Unit Assessment	● Proportional Relationships ● Representing Linear Relationships ● Finding Slopes ● Linear Equations
4. Linear Equations and Linear Systems	8.EE.C 8.EE.C.7 8.EE.C.7.a 8.EE.C.8 8.EE.C.8.a 8.EE.C.8.b 8.EE.C.8.c	18 days	Pre-Unit Assessment End-Unit Assessment	● Number Puzzles ● Linear Equations in One Variable ● Systems of Linear Equations

5. Functions and Volume	8.F.A 8.F.A.1 8.F.A.2 8.F.A.3 8.F.B 8.F.B.4 8.F.B.5 8.G.C 8.G.C.9	25 days	Pre-Unit Assessment Mid-Unit Assessment End-Unit Assessment	● Inputs and Outputs ● Representing and Interpreting Functions ● Linear Functions and Rates of Change ● Cylinders and Cones ● Dimensions and Spheres
6. Associations in Data	8.SP.A 8.SP.A.1 8.SP.A.2 8.SP.A.3 8.SP.A.4	12-13 days	Pre-Unit Assessment End-Unit Assessment	● Does this Predict That? ● Associations in Numerical Data ● Associations in Categorical Data
7. Exponents and Scientific Notation	8.EE.A.1 8.EE.A.3 8.EE.A.4	18 days	Pre-Unit Assessment End-Unit Assessment	● Exponent Review ● Exponent Rules ● Scientific Notation
8. Pythagorean Theorem and Irrational Numbers	8.NS.A 8.NS.A.1 8.NS.A.2 8.EE.A 8.EE.A.2 8.F.B 8.G.B 8.G.B.6 8.G.B.7 8.G.B.8	17 days	Pre-Unit Assessment End-Unit Assessment	● The Size of Shapes ● Side Lengths and Areas of Squares ● The Pythagorean Theorem ● Side Lengths and Volumes of Cubes ● Decimal Representation of Rational and Irrational Numbers
9. Putting it All Together	8.F.A.1 8.F.B	0-10 days		● Exploration: What Influences Temperature?

	8.SP.A 8.G.A 8.G.A.5			● Exploration: Tessellations of the Plane