REDBANK VALLEY SCHOOL DISTRICT MATHEMATICS CURRICULUM MAP

GEOMETRY									
CHAPTER									
TOPICS	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY
ACADEMIC GEOMETRY	Terms; Basic Constructions;	Classify Geometric Figures	Transformations of Geometric Figures; Symmetry of Geometric Figures Using Logical Reasoning; Preparing for Proof	Triangles; Informal Proofs Involving Triangles	Polygons & Circles; Area of Polygons	Surface Area of 3-D Figures; Volume of 3-D Figures; Geometric Probability	Exploring Parallel Lines & Related Angles; Constructing Parallel & Perpendicular Lines; Perspective Drawing; Explore Spherical Geometry; Prove Triangles Congruent	Coordinate Proofs	Similar;
APPLIED GEOMETRY	Parts are Related; Properties of Polygons; Tilings; Symmetries in Polygons; Parallel Lines & Angle Relationship	Angle Relationship; Perimeters of Polygons and Irregular Shapes; Areas of Polygons and Irregular Shapes; Relationship	Circumference and Areas of Circles; Finding the Center of Circles; Tangents to Circles; Central Angles, Ares, and Chords; Inscribed Angles; Parallel Lines through a Circle; Cyclic Quadrilaterals	Shrinking Plane Figures; Identifying Corresponding	Congruent Using S-S-S, A-A-A; S-A-S, A-S-A; S-A-A, S-S-A; Calculating Distance Between 2 Points in a Plane;	Using the Pythagorean Theorem to Solve Problems; Investigating Rational & Irrational Numbers as Decimals; Slope Relationships of Perpendicular Lines & Parallel Lines	Transformational Symmetry; Looking for	D Objects; Maximal & Minimal Buildings	Exploring Symmetric Properties of 2-D; Orthogonal Views of 3-D Buildings; Interpreting and Creating Isometric Views of 3-D Objects