

General Information								
Course	Pre-AP Geometry		Grade	9th or 10th Grade				
Stakeholders	School staff members, students, families, and community members							
Vocabulary by	Unit		_					
	Proparing for Goomotry	Tools of Goomotry	Logical Arguments and	Rigid Transformations	Triangles and	Relationships in		
Unit Name	Freparing for Geometry	Tools of Geometry	Line Relationships	and Symmetry	Congruence	Triangles		
Pacing	5 Days	10 Days	15 Days	10 Days	10 Days	10 Days		
Vocab		Undefined Term	Inductive Reasoning	Transformation	Auxiliary Line	Perpendicular Bisector		
		Point	Conjecture	Preimage	Exterior Angle	Concurrent Lines		
		Line	Counterexample	Image	Remote Interior Angles	Point of Concurrency		
		Plane	Statement	Isometry	Flow Proof	Circumcenter		
		Collinear	Truth Value	Reflection	Corollary	Incenter		
		Coplaner	Negation	Translation	Principle of Superposition	Median		
		Intersection	Compound Statement	Translation Vector	Congruent Polygons	Centroid		
		Definition (or defined term)	Conjunction	Rotation	Corresponding Parts	Altitude		
		Space	Disjunction	Line of Reflection	Included Angle			
		Line Segment	Conditional Statement	Center of Rotation	Included Side			
		Betweenness of Points	If-Then Statement	Angle of Rotation	Legs of an Isosceles Triangle			
		Betweenness of Points	Hypothesis	Composition of Transformation	Vertex Angle			
		Congruent Segments	Conclusion	Glide Reflection	Base Angles			
		Construction	Related Conditional	Symmetry	Coordinate Proof			
		Distance (Between 2 Points)	Converse	Line Symmetry		Orthocenter		
		Irrational Number	Inverse	Line of Symmetry				
		Midpoint	Contrapositive	Rotational Symmetry				
		Segment Bisector	Logically Equivalent	Center of Symmetry				
		Ray	Biconditional Statement	Order of Symmetry				
		Opposite Rays	Deductive Reasoning	Magnitude of Symmetry				
		Angle	Valid					
		Side (of an Angle)	Law of Detachment					
		Vertex (of an Angle)	Law of Syllogism					
		Interior	Postulates					
		Exterior	Axiom					
		Degree	Proof					
		Right Angle	Flow Proof					

	Acute Angle	Deductive Argument			
	Obtuse Angle	Algebraic Proof			
	Straight Angle	Theorem			
	Reflex Angle	Paragraph Proof			
	Angle Bisector	Informal Proof			
	Adjacent Angles	Two-Column Proof			
	Linear Pair	Formal Proof			
	Vertical Angles	Transversal			
	Complementary Angles	Interior Angle			
	Supplementary Angles	Exterior Angle			
	Perpendicular Lines	Consecutive Interior Angles			
		Alternate Interior Angles			
		Alternate Exterior Angles			
		Corresponding Angles			
		Parallel Lines			
		Slope			
		Slope-Intercept Form			
		Point-Stope Form			
Quadrilaterals	Similarity	Right Triangles and Trigonometry	Circles	Extending Area	Extending Volume
10 Dave	10 Dovo	45 Davis	40.5		
10 Days	TO Days	15 Days	10 Days	10 Days	10 Days
Diagonal	Dilation	Geometric Mean	10 Days Circle	10 Days Base of a Parallelogram	10 Days Cross Section
Diagonal Parallelogram	Dilation Similar Polygons	T5 Days Geometric Mean Pythagorean Triple	10 Days Circle Center	10 Days Base of a Parallelogram Height of a Parrallelogram	10 Days Cross Section Solid of Revolution
Diagonal Parallelogram Rectangle	Dilation Similar Polygons Similarity Transformation	TS Days Geometric Mean Pythagorean Triple Trigonometry	10 Days Circle Center Radius	10 Days Base of a Parallelogram Height of a Parrallelogram Base of a Triangle	10 Days Cross Section Solid of Revolution Great Circle
Diagonal Parallelogram Rectangle Rhombus	Dilation Similar Polygons Similarity Transformation Scale Factor	T5 Days Geometric Mean Pythagorean Triple Trigonometry Trigonometric Ratio	10 Days Circle Center Radius Chord	10 Days Base of a Parallelogram Height of a Parrallelogram Base of a Triangle Height of a Triangle	10 Days Cross Section Solid of Revolution Great Circle Pole
Diagonal Parallelogram Rectangle Rhombus Square	Dilation Similar Polygons Scale Factor Midsegment of a Triangle	T5 Days Geometric Mean Pythagorean Triple Trigonometry Trigonometric Ratio Sine	10 Days Circle Center Radius Chord Diameter	10 Days Base of a Parallelogram Height of a Parrallelogram Base of a Triangle Height of a Triangle Height of a Triangle Height of a Triangle	10 Days Cross Section Solid of Revolution Great Circle Pole Hemisphere
Diagonal Parallelogram Rectangle Rhombus Square Trapezoid	Dilation Similar Polygons Similarity Transformation Scale Factor Midsegment of a Triangle Similar Triangles	T5 Days Geometric Mean Pythagorean Triple Trigonometry Trigonometric Ratio Sine Cosine	10 Days Circle Center Radius Chord Diameter Concentric Circles	10 Days Base of a Parallelogram Height of a Parrallelogram Base of a Triangle Height of a Triangle Height of a Trapezoid Sector of a Circle	10 Days Cross Section Solid of Revolution Great Circle Pole Hemisphere Dilation
Diagonal Parallelogram Rectangle Rhombus Square Trapezoid Bases	Dilation Similar Polygons Similarity Transformation Scale Factor Midsegment of a Triangle Similar Triangles	TS Days Geometric Mean Pythagorean Triple Trigonometry Trigonometric Ratio Sine Cosine Tangent	10 Days Circle Center Radius Chord Diameter Concentric Circles Circumference	10 DaysBase of a ParallelogramHeight of a ParrallelogramBase of a TriangleHeight of a TriangleHeight of a TrapezoidSector of a CircleSegment of a Circle	10 Days Cross Section Solid of Revolution Great Circle Pole Hemisphere Dilation Scale Factor
Diagonal Parallelogram Rectangle Rhombus Square Trapezoid Bases Legs of a Trapezoid	Dilation Similar Polygons Similarity Transformation Scale Factor Midsegment of a Triangle Similar Triangles	15 Days Geometric Mean Pythagorean Triple Trigonometry Trigonometric Ratio Sine Cosine Tangent Inverse Sine	10 Days Circle Center Radius Chord Diameter Concentric Circles Circumference Pi	10 DaysBase of a ParallelogramHeight of a ParrallelogramBase of a TriangleHeight of a TriangleHeight of a TrapezoidSector of a CircleSegment of a CircleCenter of a Regular Polygon	10 Days Cross Section Solid of Revolution Great Circle Pole Hemisphere Dilation Scale Factor Polyhedron
Diagonal Parallelogram Rectangle Rhombus Square Trapezoid Bases Legs of a Trapezoid Bases Angles	Dilation Similar Polygons Similarity Transformation Scale Factor Midsegment of a Triangle Similar Triangles	15 Days Geometric Mean Pythagorean Triple Trigonometry Trigonometric Ratio Sine Cosine Tangent Inverse Sine Inverse Cosine	10 Days Circle Center Radius Chord Diameter Concentric Circles Circumference Pi Inscribed	10 DaysBase of a ParallelogramHeight of a ParrallelogramBase of a TriangleHeight of a TriangleHeight of a TrapezoidSector of a CircleSegment of a CircleCenter of a Regular PolygonRadius of a Regular Polygon	10 Days Cross Section Solid of Revolution Great Circle Pole Hemisphere Dilation Scale Factor Polyhedron Face
Diagonal Parallelogram Rectangle Rhombus Square Trapezoid Bases Legs of a Trapezoid Bases Isosceles Trapezoid	Dilation Similar Polygons Similarity Transformation Scale Factor Midsegment of a Triangle Similar Triangles	TS Days Geometric Mean Pythagorean Triple Trigonometry Trigonometric Ratio Sine Cosine Tangent Inverse Sine Inverse Cosine Inverse Tangent	10 Days Circle Center Radius Chord Diameter Concentric Circles Circumference Pi Inscribed Circumscribed	10 DaysBase of a ParallelogramHeight of a ParrallelogramBase of a TriangleHeight of a TriangleHeight of a TrapezoidSector of a CircleSegment of a CircleCenter of a Regular PolygonRadius of a Regular PolygonApothem	10 Days Cross Section Solid of Revolution Great Circle Pole Hemisphere Dilation Scale Factor Polyhedron Face Edge
Diagonal Parallelogram Rectangle Rhombus Square Trapezoid Bases Legs of a Trapezoid Bases Angles Isosceles Trapezoid Midsegment of a Trapezoid	Dilation Similar Polygons Similar Polygons Similarity Transformation Scale Factor Midsegment of a Triangle Similar Triangles	15 Days Geometric Mean Pythagorean Triple Trigonometry Trigonometric Ratio Sine Cosine Tangent Inverse Sine Inverse Cosine Inverse Tangent Angle of Elevation	10 Days Circle Center Radius Chord Diameter Concentric Circles Circumference Pi Inscribed Circumscribed Central Angle	10 DaysBase of a ParallelogramHeight of a ParrallelogramBase of a TriangleHeight of a TriangleHeight of a TrapezoidSector of a CircleSegment of a CircleCenter of a Regular PolygonRadius of a Regular PolygonApothemCentral Angle of a Regular Poly	10 Days Cross Section Solid of Revolution Great Circle Pole Hemisphere Dilation Scale Factor Polyhedron Face Edge Vertex
Diagonal Parallelogram Rectangle Rhombus Square Trapezoid Bases Legs of a Trapezoid Bases Angles Isosceles Trapezoid Midsegment of a Trapezoid Kite	Dilation Similar Polygons Similarity Transformation Scale Factor Midsegment of a Triangle Similar Triangles	15 Days Geometric Mean Pythagorean Triple Trigonometry Trigonometric Ratio Sine Cosine Tangent Inverse Sine Inverse Cosine Inverse Tangent Angle of Elevation Angle of Depression	10 Days Circle Center Radius Chord Diameter Concentric Circles Circumference Pi Inscribed Circumscribed Central Angle Arc	10 Days Base of a Parallelogram Height of a Parrallelogram Base of a Triangle Height of a Triangle Height of a Trapezoid Sector of a Circle Segment of a Circle Center of a Regular Polygon Radius of a Regular Polygon Apothem Central Angle of a Regular Polygon Composite Figure	10 Days Cross Section Solid of Revolution Great Circle Pole Hemisphere Dilation Scale Factor Polyhedron Face Edge Vertex Prism
Diagonal Parallelogram Rectangle Rhombus Square Trapezoid Bases Legs of a Trapezoid Bases Angles Isosceles Trapezoid Midsegment of a Trapezoid Kite	Dilation Similar Polygons Similarity Transformation Scale Factor Midsegment of a Triangle Similar Triangles	15 Days Geometric Mean Pythagorean Triple Trigonometry Trigonometric Ratio Sine Cosine Tangent Inverse Sine Inverse Cosine Inverse Tangent Angle of Elevation Angle of Depression	10 Days Circle Center Radius Chord Diameter Concentric Circles Circumference Pi Inscribed Circumscribed Central Angle Arc Minor Arc	10 Days Base of a Parallelogram Height of a Parrallelogram Base of a Triangle Height of a Triangle Height of a Trapezoid Sector of a Circle Segment of a Circle Center of a Regular Polygon Radius of a Regular Polygon Apothem Central Angle of a Regular Poly Composite Figure Lateral Face	10 Days Cross Section Solid of Revolution Great Circle Pole Hemisphere Dilation Scale Factor Polyhedron Face Edge Vertex Prism Base of a Polyhedron
Diagonal Parallelogram Rectangle Rhombus Square Trapezoid Bases Legs of a Trapezoid Bases Angles Isosceles Trapezoid Midsegment of a Trapezoid Kite	Dilation Similar Polygons Similarity Transformation Scale Factor Midsegment of a Triangle Similar Triangles Image: Image of the second seco	15 Days Geometric Mean Pythagorean Triple Trigonometry Trigonometric Ratio Sine Cosine Tangent Inverse Sine Inverse Cosine Inverse Tangent Angle of Elevation Angle of Depression	10 Days Circle Center Radius Chord Diameter Concentric Circles Circumference Pi Inscribed Circumscribed Central Angle Arc Minor Arc Major Arc	10 Days Base of a Parallelogram Height of a Parrallelogram Base of a Triangle Height of a Triangle Height of a Trapezoid Sector of a Circle Segment of a Circle Center of a Regular Polygon Radius of a Regular Polygon Apothem Central Angle of a Regular Poly Composite Figure Lateral Face Lateral Edge	10 Days Cross Section Solid of Revolution Great Circle Pole Hemisphere Dilation Scale Factor Polyhedron Face Edge Vertex Prism Base of a Polyhedron Pyramid
Diagonal Parallelogram Rectangle Rhombus Square Trapezoid Bases Legs of a Trapezoid Bases Angles Isosceles Trapezoid Midsegment of a Trapezoid Kite	Dilation Similar Polygons Similarity Transformation Scale Factor Midsegment of a Triangle Similar Triangles Image: Image of the second seco	15 Days Geometric Mean Pythagorean Triple Trigonometry Trigonometric Ratio Sine Cosine Tangent Inverse Sine Inverse Cosine Inverse Tangent Angle of Elevation Angle of Depression	10 Days Circle Center Radius Chord Diameter Concentric Circles Circumference Pi Inscribed Circumscribed Central Angle Arc Minor Arc Major Arc Semicircle	10 Days Base of a Parallelogram Height of a Parrallelogram Base of a Triangle Height of a Triangle Height of a Triangle Height of a Triangle Sector of a Circle Segment of a Circle Center of a Regular Polygon Apothem Central Angle of a Regular Polyg Composite Figure Lateral Face Lateral Edge Base Edge	10 Days Cross Section Solid of Revolution Great Circle Pole Hemisphere Dilation Scale Factor Polyhedron Face Edge Vertex Prism Base of a Polyhedron Pyramid Cylinder
Diagonal Parallelogram Rectangle Rhombus Square Trapezoid Bases Legs of a Trapezoid Bases Angles Isosceles Trapezoid Midsegment of a Trapezoid Kite	Dilation Similar Polygons Midsegment of a Triangle Similar Triangles Image: Similar Polygons Image: Sim	IS Days Geometric Mean Pythagorean Triple Trigonometry Trigonometric Ratio Sine Cosine Tangent Inverse Sine Inverse Cosine Inverse Tangent Angle of Elevation Angle of Depression	10 Days Circle Center Radius Chord Diameter Concentric Circles Circumference Pi Inscribed Circumscribed Central Angle Arc Minor Arc Major Arc Semicircle Congruent Arcs	10 Days Base of a Parallelogram Height of a Parrallelogram Base of a Triangle Height of a Triangle Height of a Trapezoid Sector of a Circle Segment of a Circle Center of a Regular Polygon Radius of a Regular Polygon Apothem Central Angle of a Regular Polygon Lateral Face Lateral Edge Base Edge Altitutde	10 Days Cross Section Solid of Revolution Great Circle Pole Hemisphere Dilation Scale Factor Polyhedron Face Edge Vertex Prism Base of a Polyhedron Pyramid Cylinder Cone
Diagonal Parallelogram Rectangle Rhombus Square Trapezoid Bases Legs of a Trapezoid Bases Angles Isosceles Trapezoid Midsegment of a Trapezoid Kite	Image: Displaysion of the polygons Similar Polygons Similar Polygons Similar Polygons Similar Polygons Similar Polygons Similar Polygons Midsegment of a Triangle Similar Triangles Image: Displaysion of the polygon of the pol	15 Days Geometric Mean Pythagorean Triple Trigonometry Trigonometric Ratio Sine Cosine Tangent Inverse Sine Inverse Cosine Inverse Tangent Angle of Elevation Angle of Depression Inverse	10 Days Circle Center Radius Chord Diameter Concentric Circles Circumference Pi Inscribed Circumscribed Central Angle Arc Minor Arc Major Arc Semicircle Congruent Arcs Adjacent Arcs	10 Days Base of a Parallelogram Height of a Parrallelogram Base of a Triangle Height of a Triangle Height of a Triangle Height of a Triangle Height of a Triangle Sector of a Circle Segment of a Circle Center of a Regular Polygon Radius of a Regular Polygon Apothem Central Angle of a Regular Poly Composite Figure Lateral Face Lateral Edge Base Edge Altitutde Height	10 Days Cross Section Solid of Revolution Great Circle Pole Hemisphere Dilation Scale Factor Polyhedron Face Edge Vertex Prism Base of a Polyhedron Pyramid Cylinder Cone Sphere

		Radian Measure	Axis	Platonic Solid
		Inscribed Angle	Regular Pyramid	Surface Area
		Intercepted Arc	Slant Height	Volume
		Tangent	Composite Solid	
		Point of Tangency		
		Common Tangent		
		Secant		
		Parabola		
		Focus		
		Directrix		
		Axis of Symmetry		
		Vertex of a Parabola		