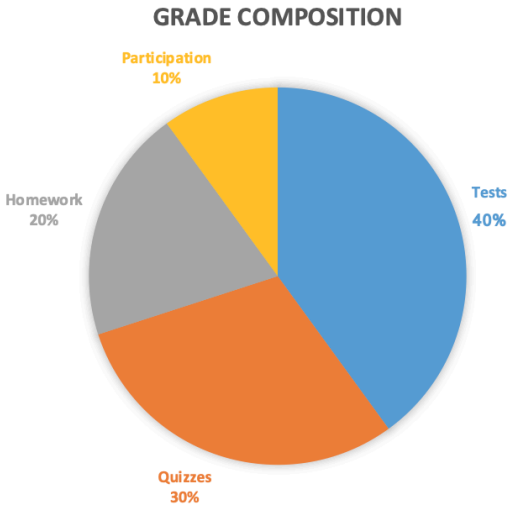
Geometry A Lesson plans 2024 SS1

Students will review some Algebra topics, work on the basics of Geometry including segments and angles, work on problems with parallel lines and transversals including the names of the angle pairs, use the coordinate plane, use the Midpoint Formula, use the Distance Formula, work on relationships of congruent triangles. The students will work on daily multiple geometry concepts.

Class Work is done in class on the day it is assigned. Homework is to be turned in on the date due. Quizzes and Tests are to be done in class. Homework, Quizzes, and Tests need to be turned in with a passing grade to receive the credit. If you are absent, you are still responsible for completing the work. All lessons, quizzes, and tests must be completed and passed with at least 60%.

Power Standards	
Algebraic Operations Linear Equations and Functions Linear Inequalities Systems of Linear Equations Nonlinear Equations and Functions Properties of Exponents	Perimeter, Area, and Geometric Formulas Analytical Geometry (Coordinate plane)- Transformations, Slope, Distance, Midpoint Triangle Properties (Lengths, Angles, Right Triangle Trigonometry, Pythagorean Theorem) Angle Properties (90°, 180°, 360°, vertical, complementary, supplementary) Parallel Lines and Angles Segment Length Units of Measure

Grading
Tests - 40% Quizzes - 30% Homework - 20% Participation - 10%



Wk 1	**Monday June 3**	**Tuesday**	**Wednesday**	**Thursday**
Day	1	2	3	4
Learning Target	I can solve multi-step equations. I can simplify square roots.	I can add and subtract square roots. I can multiply and divide square roots.	I can use a ruler to measure and draw segments to the nearest ⅛ of an inch and to the nearest millimeter. I can use the Segment Addition Postulate to find lengths.	I can measure and draw angles to the nearest degree. I can classify angles. I can name angles. I can use the Angle Addition Postulate to find angle measures.
Homework	Day 1	Day 2	Day 3	Day 4
Videos	Simplifying Radicals 6:44	algebra square roots add subtract multiply divide 10:17	Math Antics - Measuring Distance 10:57	Math Antics - Angles & Degrees 9:16
Quiz			Quiz 1	
Test				

Wk 2	**Monday June 10**	**Tuesday**	**Wednesday**	**Thursday**
Day	5	6	7	8
Learning Target	I can name the relationship between a pair of angles.	I can find the measure of angles when lines are parallel.	I can plot and state the coordinates of points. I can find the midpoint of segments.	I can find the distance between points on a graph and points that are named.
Homework	Day 5	Day 6	Day 7	Day 8
Videos	Angle Pair Relationships: Adjacent, Vertical, Complementary, Supplementary 3:01	Parallel Lines Cut by a Transversal - Finding Angle Measures 6:07	Midpoint & Distance Formula Song "The Beatles - Twist and Shout" 1:32	How to Find the Distance Between Two Points - How to Use the Distance Formula 4:35
Quiz				
Test		Test 1		

Wk 3	**Monday June 17**	**Tuesday**	**Wednesday Juneteenth**	**Thursday**	**Friday**
Day	9	10	No school	11	12
Learning Target	I can find the slope of a line from a graph and an equation. I can find the slope of a line parallel and perpendicular to a given slope.	I can classify triangles according to their sides and angles. I can find the missing measures of angles in and outside a triangle.		I can use the Exterior Angle Theorem to find missing angles and solve for x.	I can write congruence statements for sides, angles, and triangles. I can mark angles and sides of pairs of congruent triangles.
Homework	Day 9	Day 10		Day 11	Day 12
Videos	Finding Slopes of Parallel and Perpendicular Lines (and Graphing)! 5:06	Math Antics - Triangles 7:39		Given an exterior angle determine the missing measure of x 2:06	How To Write the Congruent Parts of a Triangle - Congruent Triangles 4:28
Quiz	Quiz 2				
Test				Test 2	

Wk 4	**Monday June 24**	**Tuesday**	**Wednesday**	**Thursday**
Day	13	14	15	16
Learning Target	I can draw 2-D and 3-D shapes.	I can draw right triangles. I can use the Pythagorean Theorem.	I can find areas. I can draw rectangles. I can use the Pythagorean Theorem.	All makeup work and time is due
Homework	Day 13	Day 14	Day 15	
Videos	2D and 3D Shapes for Kids | Geometry for Kids | Twinkl USA 8:13	Math Antics - The Pythagorean Theorem 12:54		
Quiz				
Test		Test 3		