



# Weekly Lesson Plans



## Course: Geometry with Statistics Honors

If you have questions, please feel free to contact your teacher:

<b>Amanda Martz</b> <a href="mailto:amartz@greenville.k12.sc.us">amartz@greenville.k12.sc.us</a> 355-6538	<b>Erica Reese</b> <a href="mailto:ereese@greenville.k12.sc.us">ereese@greenville.k12.sc.us</a> 355-6519	<b>Cody Younce</b> <a href="mailto:dyounce@greenville.k12.sc.us">dyounce@greenville.k12.sc.us</a> 355-6541
<b>Jennifer Wilson</b> <a href="mailto:jwwilson@greenville.k12.sc.us">jwwilson@greenville.k12.sc.us</a> 355-6649	<b>Michael Wixted</b> <a href="mailto:mwixted@greenville.k12.sc.us">mwixted@greenville.k12.sc.us</a> 355-6516	<b>Angel McGowan</b> <a href="mailto:atmcgowan@greenville.k12.sc.us">atmcgowan@greenville.k12.sc.us</a> 355-6532
<b>Why is this course important?</b> <i>This course is needed to be successful in future mathematics courses, as well as ACT and SAT.</i>	<b>For course syllabus, please see your teacher's website.</b>	<a href="#">Link to Course Standards</a>

Quarter 1		Quarter 2	
<a href="#">Week 1 Aug 11 - 15</a>	<a href="#">Week 6 Sept 15 - 19</a>	<a href="#">Week 10 Oct 13 - 17</a>	<a href="#">Week 15 Nov 17 - 21</a>
<a href="#">Week 2 Aug 18 - 22</a>	<a href="#">Week 7 Sept 22 - 26</a>	<a href="#">Week 11 Oct 20 - 24</a>	<a href="#">Week 16 Nov 24 - 28</a>
<a href="#">Week 3 Aug 25 - 29</a>	<a href="#">Week 8 Sept 29 - Oct 3</a>	<a href="#">Week 12 Oct 27 - Oct 31</a>	<a href="#">Week 17 Dec 1 - 5</a>
<a href="#">Week 4 Sept 1 - 5</a>	<a href="#">Week 9 Oct 6 -10</a>	<a href="#">Week 13 Nov 3 - 7</a>	<a href="#">Week 18 Dec 8 - 12</a>
<a href="#">Week 5 Sept 8 - 12</a>		<a href="#">Week 14 Nov 10 - 14</a>	<a href="#">Dec 15 - 19</a>

Week: Aug 11 - 15

Unit 0: Pre-Algebra Skills

	Monday	Tuesday	Wednesday	Thursday	Friday
Agenda	<ul style="list-style-type: none"> <li>Welcome to Geometry!</li> <li>Syllabus</li> <li>Course Expectations</li> <li>Evaluating Expressions</li> <li>Practice</li> </ul>	<ul style="list-style-type: none"> <li>One-Step Equations</li> <li>Two-Step Equations</li> <li>Distributive Property</li> <li>Practice</li> <li>Combining Like Terms</li> <li>Practice</li> <li>Variables on Both Sides</li> <li>Practice</li> </ul>	<ul style="list-style-type: none"> <li>Multi-Step equations</li> <li>Practice</li> </ul>	<ul style="list-style-type: none"> <li>Solving Systems of Equations by Elimination</li> <li>Practice</li> </ul>	<ul style="list-style-type: none"> <li>Quiz Review</li> <li>Quiz</li> </ul>
Work to Submit	<input type="checkbox"/> Evaluating Expressions Practice (MathLib)	<input type="checkbox"/> One-step/Two-step/Distributive Property Practice (Worksheet) <input type="checkbox"/> Combining Like Terms/Variables on Both Sides Practice (Worksheet)	<input type="checkbox"/> Multi-Step Equations Practice (Worksheet)	<input type="checkbox"/> Solving Systems of Equations by Elimination Practice (Worksheet)	<input type="checkbox"/> Quiz Review <input checked="" type="checkbox"/> <b>Quiz 1</b>
Learning Target	I can evaluate a given expression by recalling and applying the order of operations within a given problem.	I can solve equations when given problems involving distribution, combining like terms, and variables on both sides by using inverse operations in the correct sequence to isolate the variable.	I can apply the properties of equality to solve multi-step equations.	I can use the elimination method to solve a system of equations.	I can apply my knowledge attained throughout the week AEBMAT get an A on this first quiz.
Standards for the Week	<b>8.PAFR.2.</b> Write, simplify, and evaluate algebraic expressions; write and solve algebraic equations and inequalities.				

Week: Aug 18 - 22

Unit 1: Foundations of Geometry

	Monday	Tuesday	Wednesday	Thursday	Friday
Agenda	1.1 Points, Lines, Planes Notes & Practice 1.2 Segts and Meas. Notes & Practice	Finish 1.2 (if needed) 1.3 Midpoints & Bisectors Notes & Practice	Quiz Review Q&A	Quiz (30%)  1.4 Angles Notes & Practice	Finish 1.4 (if needed)  1.5 Angle Pairs Notes & Practice
Work to Submit	Practice will be checked for HW the next day.	Practice will be checked for HW the next day.	Quiz Review will be checked the next day.	Quiz Practice will be checked for HW the next day.	Practice will be checked for HW the next day.
Learning Target	I can list the 3 undefined terms in Geometry and name each using the correct notation by properly capitalizing or italicizing certain letters.	I can apply the properties of midpoints and bisectors to find missing lengths of a given segment.	←-----	I can name an angle and properly classify it based on its measure.	I can determine if a pair of angles has a special relationship and if so, apply the properties of that relationship to help solve problems.
Standards for the Week	<b>GS.MGSR.5.1</b> Justify and apply the attributes of angle relationships/lines in mathematical and real-world situations.				

Week: Aug 25 - 29

Unit 1: Foundations of Geometry

	Monday	Tuesday	Wednesday	Thursday	Friday
Agenda	1.5b Angles w/ WP Notes & Practice	Quiz Review	Quiz: 1.4 - 1.5 (30%)	Test Review	Test: Chapter 1 (60%)
Work to Submit	Practice will be checked for HW the next day.	Quiz Review will be checked for HW the next day.	Quiz	Test Review will be checked for HW the next day.	Test
Learning Target	I can translate a word problem into a solvable equation by locating key words within the problem and translate them into operations.	←-----	←-----	←-----	←-----
Standards for the Week	<b>GS.MGSR.5.1</b> Justify and apply the attributes of angle relationships/lines in mathematical and real-world situation				

Week: Sept 1 - 5

## Unit 2: Parallel and Perpendicular Lines

	Monday School Holiday	Tuesday	Wednesday	Thursday	Friday
Agenda		<ul style="list-style-type: none"> <li>Notes 2.1 Special Lines &amp; Angles</li> <li>Notes 2.2 Parallel Lines Theorems</li> <li>Practice</li> </ul>	<ul style="list-style-type: none"> <li>Finish Notes 2.2</li> <li>2.2 Practice</li> <li>Quiz Review</li> </ul>	<ul style="list-style-type: none"> <li>Vocab Practice [on Formative]</li> <li>Go over answers to quiz review</li> <li>Quiz</li> </ul>	<ul style="list-style-type: none"> <li>Notes: 2.3 Slope &amp; Equations of Lines</li> </ul>
Work to Submit		<input type="checkbox"/> 2.1 Formative	<input type="checkbox"/> 2.1-2.2 Practice <input type="checkbox"/> Quiz Review	<input type="checkbox"/> Quiz 4	<input type="checkbox"/> 2.3 Practice
Learning Target		I can differentiate between parallel and skew lines and identify special angle pairs formed by 2 lines and a transversal by analyzing a 2- or 3-dimensional diagram.	I can use Parallel Line Theorems and my algebra skills to find missing angle measures in a 2-dimensional figure.	I can use Parallel Line Theorems and my algebra skills to find missing angle measures in a 2-dimensional figure	I can use my algebra skills to find the y-intercept given the slope and any point on the line. I can then write the equation of a line in slope-intercept form.
Standards for the Week	<b>GS.MGSR.5.1</b> Justify and apply the attributes of angle relationships/lines in mathematical and real-world situations.				

Week: Sept 8 - 12

## Unit 2: Parallel and Perpendicular Lines

	Monday	Tuesday	Wednesday	Thursday	Friday
Agenda	Go over 2.3 Practice Notes: 2.4 Parallel & Perpendicular	Go over 2.4 Practice Quiz Review: 2.3 - 2.4	Q&A on Quiz Review <b>Quiz 5: 2.3 - 2.4</b>	Test Review: Unit 2	<b>Test: Unit 2</b>
Work to Submit	2.3 Practice check	2.4 Practice check	Quiz		Test
Learning Target	I can write the equation of line, parallel or perpendicular to a given line that passes through a particular point.	I can determine the equations of lines from multiple forms and distinguish between what is parallel vs. perpendicular.	I can use my algebra skills to find the y-intercept given the slope and any point on the line. I can then write the equation of a line in slope-intercept form.	I can write the equation of line, parallel or perpendicular to a given line that passes through a particular point.	I can determine the equations of lines from multiple forms and distinguish between what is parallel vs. perpendicular.

Standards for the Week

**GS.MGSR.5.1** Justify and apply the attributes of angle relationships/lines in mathematical and real-world situations.

**GS.PAFR.2.2** Analyze slopes of lines to determine whether lines are parallel, perpendicular, or neither.

**GS.PAFR.2.3** Determine the equation of a line passing through a given point that is parallel or perpendicular to a given line.

Week: Sept 15 - 19

**Unit 3: Statistical Analysis / Unit 4: Transformations**

	Monday	Tuesday	Wednesday	Thursday	Friday
Agenda	<ul style="list-style-type: none"> <li>Notes 3.1 Scatterplots and Lines of Best Fit</li> <li>Practice</li> </ul>	<ul style="list-style-type: none"> <li>Notes 3.2 Statistical Questioning</li> <li>Practice</li> </ul>	<ul style="list-style-type: none"> <li>Quiz Review</li> <li>Quiz 6</li> </ul>	<ul style="list-style-type: none"> <li>Notes 4.1 Distance and Midpoint</li> <li>Practice</li> </ul>	<ul style="list-style-type: none"> <li>Notes 4.2 Intro to Transformations</li> <li>Notes 4.3 Reflections</li> <li>Practice</li> </ul>
Work to Submit	<input type="checkbox"/> 3.1 Practice (Worksheet)	<input type="checkbox"/> 3.2 Practice (Worksheet)	<input type="checkbox"/> <b>Quiz 6</b>	<input type="checkbox"/> 4.1 Practice (Worksheet)	<input type="checkbox"/> 4.3 Practice (Worksheet)
Learning Target	I can describe the relationship between variables in a scatterplot, write an equation for a line of best fit, and distinguish between correlation and causation.	I can identify and write statistical questions and use the results to answer an investigative question.		I can use the distance and midpoint formulas to find the length and midpoint of a segment in the coordinate plane.	I can draw and describe the reflection of a figure across a line of reflection.

Standards for the Week

**GS.DPSR.1.1** Represent data for two quantitative variables on a scatter plot and describe how the variables are related.  
**GS.DPSR.1.2** Use two representative points from the data to find an approximate line of fit and compare it to the line of best fit.  
**GS.DPSR.1.3** Conduct an investigation for a statistical question, interpret statistical significance in the context of a situation, and answer investigative questions appropriately.  
**GS.PAFR.3.2** Determine distance and midpoint of segments in a coordinate plane to find areas of triangles and quadrilaterals, when given coordinates.  
**GS.MGSR.2.1** Describe the results of transformations on a given figure using geometric terminology from the definitions of the transformations.  
**GS.MGSR.2.2** Describe and apply a sequence of transformations that maps a preimage onto its image.

Week: Sept 22 - 26

## Unit 4: Transformations

	Monday	Tuesday	Wednesday	Thursday	Friday
Agenda	<ul style="list-style-type: none"> <li>Notes 4.4 Translations</li> <li>Notes 4.5 Rotations</li> <li>Practice</li> </ul>	<ul style="list-style-type: none"> <li>Notes 4.6 Dilations</li> <li>Notes 4.7 Compositions</li> <li>Practice</li> </ul>	<ul style="list-style-type: none"> <li>Notes 4.8 Symmetry</li> <li>Test Review</li> </ul>	<ul style="list-style-type: none"> <li>Unit 4 Test</li> </ul>	<ul style="list-style-type: none"> <li>Notes 5.1 Classifying Triangles</li> <li>Notes 5.2 Triangle Measurements</li> <li>Practice</li> </ul>
Work to Submit	<input type="checkbox"/> 4.4 Practice (Worksheet) <input type="checkbox"/> 4.5 Practice (Worksheet)	<input type="checkbox"/> 4.4 Practice (Worksheet) <input type="checkbox"/> 4.5 Practice (Worksheet)	<input type="checkbox"/> Test Review	<input type="checkbox"/> Unit 4 TEST	<input type="checkbox"/> 5.2 Formative
Learning Target	I can draw and describe the translation of a figure for a given vector. I can draw and describe the rotation of a figure for a given angle of rotation.	I can draw and describe the dilation of a figure for a given scale vector.	I can identify different types of symmetry in two-dimensional figures.		I can use triangle measurement theorems to find missing angle measures in triangles when given a diagram or verbal description.

Standards for the Week	<p><b>GS.PAFR.3.2</b> Determine distance and midpoint of segments in a coordinate plane to find areas of triangles and quadrilaterals, when given coordinates.</p> <p><b>GS.MGSR.2.1</b> Describe the results of transformations on a given figure using geometric terminology from the definitions of the transformations.</p> <p><b>GS.MGSR.2.2</b> Describe and apply a sequence of transformations that maps a preimage onto its image.</p> <p><b>GS.MGSR.5.2</b> Apply the attributes of triangles in mathematical and real-world situations.</p>
------------------------	--

Week: Sept 29 - Oct 3

## Unit 5: Triangle Measurement & Congruence

	Monday	Tuesday	Wednesday	Thursday	Friday
Agenda	<ul style="list-style-type: none"> <li>5.1-5.2 Extra Practice</li> <li>Quiz Review</li> </ul>	<ul style="list-style-type: none"> <li>Go over quiz review answers</li> <li>Quiz 7</li> <li>Begin 5.3 Notes</li> </ul>	<ul style="list-style-type: none"> <li>Notes 5.3 Congruent Triangles</li> <li>Notes 5.4 Triangle Congruence Criteria</li> <li>Practice</li> </ul>	<ul style="list-style-type: none"> <li>Worksheet 5.4B</li> <li>Quiz Review</li> </ul>	<ul style="list-style-type: none"> <li>Go over quiz review answers</li> <li>Quiz 8</li> </ul>
Work to Submit	<input type="checkbox"/> 5.1-5.2 Extra Practice Worksheet <input type="checkbox"/> Quiz Review	<input type="checkbox"/> <b>Quiz 7</b>	<input type="checkbox"/> 5.3-5.4 Practice (Worksheet)	<input type="checkbox"/> Quiz Review	<input type="checkbox"/> <b>Quiz 8</b>
Learning Target	I can use theorems about triangle relationships to solve for missing segment & angle measures in triangles.	I can use theorems about triangle relationships to solve for missing segment & angle measures in triangles.	I can identify the corresponding parts of congruent triangles and use them to find missing segment and angle measures.	I can use the triangle congruence theorems and my reasoning skills to determine if two triangles are congruent.	I can apply the definition of congruent triangles and use the triangle congruence theorems and my reasoning skills to determine if two triangles are congruent.

Standards for the Week

**GS.MGSR.5.2** Apply the attributes of triangles in mathematical and real-world situations.

**GS.MGSR.3.2** Demonstrate that triangles and quadrilaterals are congruent by a combination of translations, rotations, and reflections.

**GS.MGSR.3.3** Recognize the criteria for showing triangles are congruent using a sequence of rigid motions that map one triangle to another and justify that the two triangles are congruent by applying the Side-Side-Side, Side-Angle-Side, Angle-Side-Angle, Angle-Angle-Side, and Hypotenuse-Leg congruence conditions.

Week: Oct 6 -10

## Unit 5: Triangle Measurement & Congruence

	Monday	Tuesday PSAT (2nd Per. Hold AM)	Wednesday	Thursday	Friday End of Q1 Grading Period
Agenda	Test Review	PSAT Testing Job Shadowing Day	Unit 5 Test	<ul style="list-style-type: none"> <li>Notes 6.1 Ratios and Proportions</li> <li>Practice 6.1</li> </ul>	<ul style="list-style-type: none"> <li>Notes 6.2 Similar Polygons</li> <li>Practice 6.2</li> </ul>
Work to Submit			Unit 5 TEST	<input type="checkbox"/> Practice 6.1	<input type="checkbox"/> Practice 6.2
Learning Target				I can use ratios and proportions to solve real world problems.	I can use ratios and proportions to solve for missing measures in similar polygons.

Standards for the Week

**GS.MGSR.5.2** Apply the attributes of triangles in mathematical and real-world situations.

**GS.MGSR.3.2** Demonstrate that triangles and quadrilaterals are congruent by a combination of translations, rotations, and reflections.

**GS.MGSR.3.3** Recognize the criteria for showing triangles are congruent using a sequence of rigid motions that map one triangle to another and justify that the two triangles are congruent by applying the Side-Side-Side, Side-Angle-Side, Angle-Side-Angle, Angle-Angle-Side, and Hypotenuse-Leg congruence conditions.

Week: Oct 13 - 17

**Unit 6: Similarity**

	Monday	Tuesday	Wednesday	Thursday	Friday
Agenda	<b>Teacher Workday</b> <b>NO SCHOOL</b>	<ul style="list-style-type: none"> <li>Notes 6.3 Similar Triangles</li> <li>Practice 6.3</li> <li>Quiz Review</li> </ul>	<ul style="list-style-type: none"> <li>Go over quiz review answers</li> <li>Quiz 1</li> </ul>	<ul style="list-style-type: none"> <li>Notes 6.4 Proportional Parts Theorems</li> <li>Practice 6.4</li> </ul>	<ul style="list-style-type: none"> <li>Test Review</li> </ul>
Work to Submit		<input type="checkbox"/> Practice 6.3 <input type="checkbox"/> Quiz Review	<input type="checkbox"/> <b>Quiz 1</b>	<input type="checkbox"/> Practice 6.4	<input type="checkbox"/> Test Review
Learning Target		I can use proportions and similarity theorems to determine if two triangles are similar.		I can apply the proportional parts theorems and angle bisector theorem to solve triangles that have special features.	I can apply the definition of similar figures to determine if figures are similar and to solve for missing parts in the figures.
Standards for the Week	<b>GS.MGSR.4.3</b> Recognize the criteria for showing triangles are similar using a similarity transformation and justify that the two triangles are similar by applying Angle-Angle, Side-Side-Side, and Side-Angle-Side similarity conditions.				

Week: Oct 20 - 24

Unit(s): **Unit 6: Similarity/Unit 7: Right Triangles & Trigonometry**

	Monday Q1 Report Card	Tuesday	Wednesday	Thursday	Friday
Agenda	<ul style="list-style-type: none"> <li>Unit 6 Test</li> </ul>	<ul style="list-style-type: none"> <li>Notes 7.1 - Radicals</li> </ul>	<ul style="list-style-type: none"> <li>Notes 7.2 - Pythagorean Thm</li> </ul>	<ul style="list-style-type: none"> <li>Notes 7.3 Special Right Triangles</li> </ul>	<ul style="list-style-type: none"> <li>Quiz Review</li> <li>Quiz 2: 7.1-7.3</li> </ul>
Work to Submit	<input type="checkbox"/> <b>Unit 6 TEST</b>	<input type="checkbox"/> 7.1 Practice (Worksheet)	<input type="checkbox"/> 7.2 Practice (Worksheet)	<input type="checkbox"/> 7.3 Practice (Worksheet)	<input type="checkbox"/> <b>Quiz 2</b>
Learning Target		I can simplify radicals and perform operations with radicals.	I can use the Pythagorean Theorem to solve for missing segment lengths in right triangles.	I can use the properties of special right triangles to solve for missing lengths in geometric figures.	I can apply Pythagorean Theorem and Special Right Triangle formulas to solve for missing lengths in geometric figures.

Standards for the Week

**GS.NR.1.1** Rewrite numerical expressions of irrational and rational numbers involving radicals, including addition, subtraction, multiplication, and division, to recognize geometric patterns.

**GS.MGSR.6.1** Discover and apply the converse of the Pythagorean Theorem.

**GS.MGSR.6.2** Discover and apply the constant ratios of the sides in 30-60-90 and 45-45-90 right triangles.

**GS.MGSR.6.3** Define the trigonometric ratios using the properties of similar right triangles.

**GS.MGSR.6.4** Determine the sine, cosine, and tangent of an acute angle in a right triangle in the context of mathematical and real-world situations.

**GS.MGSR.6.5** Apply trigonometric ratios (sine, cosine, tangent) and the Pythagorean Theorem to solve right triangle problems in real-life situations.

Week: Oct 27 - Oct 31

## Unit 7: Right Triangles & Trigonometry

	Monday	Tuesday	Wednesday	Thursday	Friday
Agenda	<ul style="list-style-type: none"> <li>Quiz Review</li> <li>Quiz 2: 7.1-7.3</li> </ul>	<ul style="list-style-type: none"> <li>Notes 7.4 Trigonometric Ratios &amp; Finding Missing Sides</li> </ul>	<ul style="list-style-type: none"> <li>Notes 7.5 Trig Word Problems</li> </ul>	<ul style="list-style-type: none"> <li>Notes 7.6 Law of Sines and Cosines</li> </ul>	<ul style="list-style-type: none"> <li>Quiz Review</li> <li>Quiz 3: 7.4-7.6</li> </ul>
Work to Submit	<input type="checkbox"/> Quiz 2	<input type="checkbox"/> 7.4 Practice (Worksheet)	<input type="checkbox"/> 7.5 Practice (Worksheet)	<input type="checkbox"/> 7.6 Practice (Worksheet)	<input type="checkbox"/> Quiz 3
Learning Target	I can apply Pythagorean Theorem and Special Right Triangle formulas to solve for missing lengths in geometric figures.	I can use trigonometric ratios to solve right triangles.	I can use trigonometric ratios to solve right triangles in applied problems.	I can use the Law of Sines and Cosines to solve non-right triangles.	I can use trigonometry to solve triangles for their missing sides or angles.

Standards for the Week

**GS.NR.1.1** Rewrite numerical expressions of irrational and rational numbers involving radicals, including addition, subtraction, multiplication, and division, to recognize geometric patterns.

**GS.MGSR.6.1** Discover and apply the converse of the Pythagorean Theorem.

**GS.MGSR.6.2** Discover and apply the constant ratios of the sides in 30-60-90 and 45-45-90 right triangles.

**GS.MGSR.6.3** Define the trigonometric ratios using the properties of similar right triangles.

**GS.MGSR.6.4** Determine the sine, cosine, and tangent of an acute angle in a right triangle in the context of mathematical and real-world situations.

**GS.MGSR.6.5** Apply trigonometric ratios (sine, cosine, tangent) and the Pythagorean Theorem to solve right triangle problems in real-life situations.

Week: Nov 3 - 7

## Unit 8: Circles

	Monday	Tuesday	Wednesday	Thursday	Friday
Agenda	<ul style="list-style-type: none"> <li>Test Review</li> </ul>	<ul style="list-style-type: none"> <li>Unit 7 Test</li> </ul>	<ul style="list-style-type: none"> <li>Notes 8.1 Parts of a Circle</li> <li>Notes 8.2 Central Angles and Arcs</li> </ul>	<ul style="list-style-type: none"> <li>Notes 8.3 Chords</li> <li>Notes 8.4 Inscribed Angles</li> </ul>	<ul style="list-style-type: none"> <li>Finish Notes 8.4 Inscribed Angles</li> <li>Quiz Review</li> </ul>
Work to Submit	<input type="checkbox"/> Test Review	<input type="checkbox"/> <b>Unit 7 Test</b>	<input type="checkbox"/> 8.2 Practice (Worksheet)	<input type="checkbox"/> 8.3 Practice (Worksheet)	<input type="checkbox"/> Quiz Review
Learning Target	I can use trigonometric ratios to solve right triangles in applied problems.		I can identify the parts of a circle and find the measures of central angles and arcs in circles.	I can apply circle theorems to find missing segment, angle, and arc measures in circles.	I can identify the parts of circles and apply circle theorems to find missing segment, angle, and arc measures in circles.

Standards for the Week	<p><b>GS.PAFR.1.1</b> Discover and apply the formulas for the length of an arc and the area of a sector in a circle to develop mathematical models and solve mathematical and realworld situations.</p> <p><b>GS.MGSR.7.1</b> Use angle and segment relationships in circles to solve mathematical and realworld situations.</p> <p><b>GS.MGSR.7.2</b> Investigate and apply relationships in circles, inscribed angles, radii, secants, and chords; among inscribed angles, central angles, and circumscribed angles; and between radii and tangents to circles.</p> <p><b>GS.MGSR.5.3</b> Apply the attributes of quadrilaterals, including diagonals, sides, and angles, to prove that a given quadrilateral is a parallelogram in mathematical and realworld situations.</p>
------------------------	--

Week: Nov 10 - 14

## Unit 8: Circles

	Monday	Tuesday	Wednesday	Thursday	Friday
Agenda	<ul style="list-style-type: none"> <li>Quiz 4: 8.1-8.4</li> </ul>	<ul style="list-style-type: none"> <li>Notes 8.5</li> </ul>	<ul style="list-style-type: none"> <li>Notes 8.6</li> </ul>	<ul style="list-style-type: none"> <li>Quiz Review</li> <li>Quiz 5: 8.5-8.6</li> </ul>	<ul style="list-style-type: none"> <li>Test Review</li> </ul>
Work to Submit	<input type="checkbox"/> Quiz 4	<input type="checkbox"/> 8.5 Practice (Worksheet)	<input type="checkbox"/> 8.6 Practice (Worksheet)	<input type="checkbox"/> Quiz 5	<input type="checkbox"/> Test Review
Learning Target	I can identify the parts of circles and apply circle theorems to find missing segment, angle, and arc measures in circles.	I can find the missing segment measures in a circle by applying the secant and tangent theorems.	I can find the missing angle and arc measures in a circle by applying the secant and tangent theorems.	I can apply circle theorems to find missing segment, angle, and arc measures in circles.	I can apply circle theorems to find missing segment, angle, and arc measures in circles.

Standards for the Week

**GS.PAFR.1.1** Discover and apply the formulas for the length of an arc and the area of a sector in a circle to develop mathematical models and solve mathematical and realworld situations.

**GS.MGSR.7.1** Use angle and segment relationships in circles to solve mathematical and realworld situations.

**GS.MGSR.7.2** Investigate and apply relationships in circles, inscribed angles, radii, secants, and chords; among inscribed angles, central angles, and circumscribed angles; and between radii and tangents to circles.

**GS.MGSR.5.3** Apply the attributes of quadrilaterals, including diagonals, sides, and angles, to prove that a given quadrilateral is a parallelogram in mathematical and realworld situations.

Week: Nov 17 - 21

## Unit 8: Quadrilaterals

	Monday	Tuesday	Wednesday	Thursday	Friday
Agenda	<ul style="list-style-type: none"> <li>Unit 8 Test</li> </ul>	<ul style="list-style-type: none"> <li>Notes 9.1 Parallelograms</li> </ul>	<ul style="list-style-type: none"> <li>Notes 9.2 Rectangles/ RhombusSquare</li> </ul>	Quadrilateral Mixed Practice  Quiz Review	Quiz : 9.1-9.3
Work to Submit	<input type="checkbox"/> <b>Unit 8 Test</b>	<input type="checkbox"/> Practice 9.1 Worksheet	<input type="checkbox"/> Practice 9.2 Worksheet	<input type="checkbox"/> Quadrilateral Quiz Review Worksheet (or Formative)	<input type="checkbox"/> <b>Quiz 7</b>
Learning Target	I can apply circle theorems to find missing segment, angle, and arc measures in circles.	I can identify the properties of a parallelogram and use them to solve for missing measures.	I can identify the properties of rectangles, rhombi, and squares and use them to find missing measures.	I can use the properties of quadrilaterals to solve for missing measures.	I can use the properties of quadrilaterals to solve for missing measures.
Standards for the Week	GS.MGSR.5.3 Apply the attributes of quadrilaterals, including diagonals, sides, and angles, to prove that a given quadrilateral is a parallelogram in mathematical and real-world situations.				

Week: Nov 24 - 28	Unit(s):
-------------------	----------

	Monday	Tuesday	Wednesday School Holiday	Thursday School Holiday	Friday School Holiday
Agenda	<ul style="list-style-type: none"><li>Notes 9.4 Proving Quadrilaterals</li></ul>	<ul style="list-style-type: none"><li>Quadrilateral Coordinate Proofs</li></ul>			
Work to Submit					
Learning Target					
Standards for the Week	GS.MGSR.5.3 Apply the attributes of quadrilaterals, including diagonals, sides, and angles, to prove that a given quadrilateral is a parallelogram in mathematical and real-world situations. GS.PAFR.3.1 Use coordinates to prove simple geometric theorems algebraically.				

Week: Dec 1 - 5

Unit(s):

	Monday	Tuesday	Wednesday	Thursday	Friday
Agenda	<ul style="list-style-type: none"> <li>Notes 10.1 Perimeter and Area</li> </ul>	<ul style="list-style-type: none"> <li>Notes 10.1 Perimeter and Area cont....</li> </ul>	<ul style="list-style-type: none"> <li>Notes 10.2 Surface Area and Volume</li> </ul>	Test Review	Test
Work to Submit	<input type="checkbox"/> Practice 10.1 Worksheet	<input type="checkbox"/> Practice 10.2 Worksheet	<input type="checkbox"/> Practice 10.2 Worksheet	<input type="checkbox"/> Unit 10 Test Review	<input type="checkbox"/> <b>Unit 10 TEST</b>
Learning Target	I can find the perimeter and area of 2-D geometric figures.	I can find the perimeter and area of 2-D geometric figures.	I can find the surface area and volume of 3-D geometric figures.	I can find the measures of 2D and 3D figures given a test review.	I can find the measures of 2D and 3D figures given a test.

**Standards for the Week**

**GS.PAFR.1.2** Analyze and apply the derivations of the formulas for the circumference of a circle, area of a circle, and volume of a cylinder, pyramid, and cone to model real phenomena and solve mathematical and real-world situations.

**GS.PAFR.2.1** Apply surface area and volume formulas for prisms, cylinders, pyramids, cones, spheres, and/or compositions of figures to solve problems and justify results.

**GS.MGSR.1.1** Apply area and volume formulas of two- and three-dimensional figures to solve real-world situations.

Week: Dec 8 - 12

Unit(s):

	Monday	Tuesday	Wednesday	Thursday	Friday
Agenda	Test Review	Test	Exam Review Day	Exam Review Day	Exam Review Day
Work to Submit	<input type="checkbox"/> Unit 10 Test Review	<input type="checkbox"/> <b>Unit 10 TEST</b>			
Learning Target	I can find the measures of 2D and 3D figures given a test review.	I can find the measures of 2D and 3D figures given a test.			

**Standards for the Week**

**GS.PAFR.1.2** Analyze and apply the derivations of the formulas for the circumference of a circle, area of a circle, and volume of a cylinder, pyramid, and cone to model real phenomena and solve mathematical and real-world situations.

**GS.PAFR.2.1** Apply surface area and volume formulas for prisms, cylinders, pyramids, cones, spheres, and/or compositions of figures to solve problems and justify results.

**GS.MGSR.1.1** Apply area and volume formulas of two- and three-dimensional figures to solve real-world situations.

Week: Dec 15 - 19	Unit(s):
-------------------	----------

	Monday	Tuesday	Wednesday	Thursday	Friday End of Q2 Grading Period Half Day for Students
Agenda	Exam Review Day	Final Exams	Final Exams	Make- Up Exam Day  Holiday Activity: Christmas Boxes	Half Day  Holiday Activity: Snowflakes
Learning Target					
Standards for the Week					