

# Geometry

Fall 2025

Mr. Welsch

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Google Classroom Codes:

(Period 6 - [z2u2mcjg](#)) (Period 7 - [qljyy7bq](#))

## [Class Syllabus](#)

Other teachers who can help me with this class:

Mrs. Davis - Room #225

Mr. Kile - Room #214

Mr. Runcie - Room #226

Mrs. Rickert - Room #212

[Aug 25](#)

[Sept 1](#)

[Sept 8](#)

[Sept 15](#)

[Sept 22](#)

[Sept 29](#)

[Oct 6](#)

[Oct 20](#)

[Oct 27](#)

[Nov 3](#)

[Nov 10](#)

[Nov 17](#)

[Nov 24](#)

[Dec 1](#)

[Dec 8](#)

[Dec 15](#)

### Power Essentials and Learning Targets:

Date	Power Essential	In-Class	Assignments	Activities for Success
Thursday August 14	<b>ID Ready!</b> <b>Phone Caddy Ready!</b>	Get-to-Know Activity <u><a href="#">PBIS Classroom Expectations</a></u>	Interview Questions Bookmark Weekly Planner ID Name card	<i>Get your computer ASAP!</i>
Friday August 15	<b>Calculator Ready!</b>	ID Note Card Number Game Weekly Planner <u><a href="#">Pre-skills Check</a></u>	Complete Pre-skills Check  <b>T3 = P6 &amp; P7 CLASS</b>	<i>Bookmark the Weekly Planner for quick access!</i>

Date	Power Essential/ Learning Target	In-Class Activities	Assignments	Activities for Success
Monday August 18	<u>Power Essential:</u> I can apply algebraic concepts to the basics of Geometry.	<u>Warm-Up #2</u> GC Sign-Ups <u>Class Syllabus</u>	Alg 1 Scavenger Hunt <u>Posters</u> <u>Work Page</u>	Have a positive attitude and give your best effort!
Tuesday August 19	<u>Learning Targets:</u> I can review Algebra 1 concepts and skills.	<u>Pre-skills Check</u> Answers Number Game Competition  <u>Algebra 1 Review Notes</u> <u>Algebra 1 Review Notes KEY</u> Algebra 1 Scavenger Hunt	T3 Securly <u>FLEX login</u>	
Wednesday August 20	<u>Power Essential:</u> I can apply algebraic concepts to the basics of Geometry.	<u>Warm-Up #3</u> Finish Scavenger Hunt	<u>Solving Equations Review DP</u> (due 8/22 & 25)	
Thursday August 21	<u>Learning Targets:</u> I can review Algebra 1 concepts and skills.	<u>Solving Equations Notes</u> <u>Solving Equations Notes KEY</u> Number Game Competition  <b>Equations Quiz - Fri/Mon</b>	<b>PICK FLEX/T3</b> (Week Aug 25-Aug 29)	
Friday August 22	<u>Power Essential:</u> I can apply algebraic concepts to the basics of Geometry.	<u>Solving Equations C4L (KEY)</u>	<u>1.2 DP</u> (due 8/26 & 27) <u>Answer Key</u>	<u>Online Textbook Pages</u>
Monday August 25	<u>Learning Targets:</u> N1: I can draw different scenarios of points, lines, rays and planes.	<b>Equations Quiz</b>  Number Game Competition  <u>1.2 Notes:</u> Points, Lines and Planes <u>1.2 Notes KEY</u>	<b>PICK FLEX T3</b> (Week Aug 25-Aug 29)	
Tuesday August 26	<u>Power Essential:</u> I can apply algebraic concepts to the basics of Geometry.	<u>1.2 C4L (KEY)</u> Turn-in HW	<u>1.3 DP</u> (due 8/28 & 29) <u>Answer Key</u>	<u>Online Textbook Pages</u>
Wednesday August 27	<u>Learning Targets:</u> E1: I can use Segment Addition to find segment lengths. N2: I can apply the distance formula.	<b>1.2 Quiz</b>  <u>1.3 Notes:</u> Segments & Their Measures <u>1.3 Notes KEY</u>	<b>PICK FLEX/T3</b> (Week Aug 25-Aug 29)	

Date	Power Essential/ Learning Target	In-Class Activities	Assignments	Activities for Success
<b>Thursday August 28</b>	<u>Power Essential:</u> I can apply algebraic concepts to the basics of Geometry.	<a href="#">1.3 C4L (KEY)</a> Turn-in HW <b>1.3 Quiz</b>	<a href="#">1.4 DP</a> (due 9/2 & 3) <a href="#">Answer Key</a>	<a href="#">Online Textbook Pages</a>
<b>Friday August 29</b>	<u>Learning Targets:</u> N5: I can classify angles as acute, right, obtuse or straight. E4: I can use Angle Addition to find angle measures.	<a href="#">1.4 Notes:</a> Angles & Their Measures <a href="#">1.4 Notes KEY</a>	<b>PICK FLEX/T3</b> (Week Sep 2- Sep 5)	
<b>Monday September 1</b>	<b>No School - Labor Day</b>			
<b>Tuesday September 2</b>	<u>Power Essential:</u> I can apply algebraic concepts to the basics of Geometry.	<a href="#">1.4 C4L (KEY)</a> Turn-in HW <b>1.4 Quiz</b>	<b>No Homework!</b>	Online Textbook Pages <a href="#">1.2</a> , <a href="#">1.3</a> , <a href="#">1.4</a>
<b>Wednesday September 3</b>	<u>Learning Targets:</u> I can review Geometry 1.2 - 1.4 learning targets.	1.2 - 1.4 MATHO Competition		
<b>Thursday September 4</b>	<u>Power Essential:</u> I can apply algebraic concepts to the basics of Geometry.	L to J Quiz #1 Record Results on GC	<a href="#">1.5 DP</a> (due 9/8 & 9) <a href="#">Answer Key</a>	<a href="#">Online Textbook Pages</a>
<b>Friday September 5</b>	<u>Learning Targets:</u> N3: I can apply the midpoint formula to find the midpoint given the two endpoints. E2: I can find the length of two segments given the midpoint. N4: I can find the endpoint of a segment given the midpoint and the other endpoint. E3: I can find an angle measure or the value of a variable when an angle is bisected.	Computer Pre-ACT Testing Review  Number Game Competition  <a href="#">1.5 Notes:</a> Segment & Angle Bisectors <a href="#">1.5 Notes KEY</a>		

Date	Power Essential/ Learning Target	In-Class Activities	Assignments	Activities for Success
<p><b>Monday September 8</b></p> <p><b>Tuesday September 9</b></p>	<p><u>Power Essential:</u> I can apply algebraic concepts to the basics of Geometry.</p> <p><u>Learning Targets:</u> E5: I can find angle measures of linear pairs and vertical angles formed by two intersecting lines.</p> <p>E6: I can find angle measures when given two angles that are complementary or supplementary.</p>	<p><a href="#">1.5 C4L (KEY)</a></p> <p>Turn-in HW <b>1.5 Quiz</b></p> <p><a href="#">1.6 Notes:</a> Angle Pair Relationships <a href="#">1.6 Notes KEY</a></p>	<p><a href="#">1.6 DP</a> (due 9/10 &amp; 11) <a href="#">Answer Key</a></p>	<p><a href="#">Online Textbook Pages</a></p>
<p><b>Wednesday September 10</b></p> <p><b>Thursday September 11</b></p>	<p><u>Power Essential:</u> I can apply algebraic concepts to the basics of Geometry.</p> <p><u>Learning Targets:</u> E1, N3, E2, N4, E3, E4, E5 and E6</p> <p>I can review the Geometry concepts from 1.3 - 1.6.</p>	<p><a href="#">1.6 C4L (KEY)</a></p> <p>Turn-in HW <b>1.6 Quiz</b></p> <p>1.3 - 1.6 Scavenger Hunt <a href="#">Posters</a> and <a href="#">Work Page</a></p>	<p>FINISH: 1.3 - 1.6 Scavenger Hunt <a href="#">Posters</a> and <a href="#">Work Page</a> (due 9/12 &amp; 15)</p>	<p>Online Textbook Pages <a href="#">1.3</a>, <a href="#">1.4</a>, <a href="#">1.5</a>, <a href="#">1.6</a></p>
<p><b>Friday September 12</b></p> <p><b>Monday September 15</b></p>	<p><u>Power Essential:</u> I can apply algebraic concepts to the basics of Geometry.</p> <p><u>Learning Targets:</u> I can review all concepts and skills in Chapter 1 Geometry.</p>	<p><a href="#">C1 Review C4L (KEY)</a></p> <p>FINISH: 1.3-1.6 Scavenger Hunt <a href="#">Posters</a> and <a href="#">Work Page</a> TURN-IN Work Page</p> <p>Chapter 1 Review</p>	<p><a href="#">Chapter 1 Review DP</a> (due 9/18 or 9/19) <a href="#">Answer Key</a></p> <p>Study for: <b>Chapter 1 TEST - Tuesday/Wednesday</b></p>	

Date	Power Essential/ Learning Target	In-Class Activities	Assignments	Activities for Success
<p><b>Tuesday</b> <b>September 16</b></p> <p><b>Wednesday</b> <b>September 17</b></p>	<p><u>Power Essential:</u> I can apply algebraic concepts to the basics of Geometry.</p> <p><u>Learning Targets:</u> I can score proficient on the Geometry Chapter 1 Test.</p>	<p>Complete Ch 1 Review Odds/Evens Turn-in Ch 1 Review (Odds for points)</p> <p><b>Chapter 1 TEST</b></p>	<p>No HW!</p> <p><a href="#">Computer Geometry Games</a> <a href="#">Billards Game</a> (Beat Computer) <a href="#">Connect the Colors Game</a> Level 4 <a href="#">Rocket Angles Game</a> (10 in a row) <a href="#">Slice the Shape</a> Fewest Slices Wins <a href="#">Angles "Beat the Teachers" Game</a> (Make it to Wednesday)</p>	
<p><b>Thursday</b> <b>September 18</b></p> <p><b>Friday</b> <b>September 19</b></p>	<p><u>Power Essential:</u> I can use types of lines and angles including parallel, perpendicular, skew and parallel lines cut by a transversal.</p> <p><u>Learning Targets:</u> E1: I can determine if two lines are parallel, perpendicular and skew.  E4: I can use perpendicular lines to find angles and variables.</p>	<p>NEW Seats! BR-1.3 Review</p> <p>L to J Quiz #2 - Record Results on GC</p> <p><a href="#">3.1 - 3.2 Notes:</a> Lines &amp; Angles Proof and Perpendicular Lines <a href="#">3.1 - 3.2 Notes KEY</a></p>	<p><a href="#">3.1 - 3.2 DP</a> (due 9/22 &amp; 23) <a href="#">Answer Key</a></p>	<p>Online Textbook Pages <a href="#">3.1</a>, <a href="#">3.2</a></p>
<p><b>Monday</b> <b>September 22</b></p> <p><b>Tuesday</b> <b>September 23</b></p>	<p><u>Power Essential:</u> I can use types of lines and angles including parallel, perpendicular, skew and parallel lines cut by a transversal.</p> <p><u>Learning Targets:</u> E2: I can find the angle measures formed by two parallel lines and a transversal. E3: I can use two parallel lines and a transversal to solve for a variable if the angles are corresponding,</p>	<p><a href="#">3.1 - 3.2 C4L (KEY)</a></p> <p>Turn-in HW odds <b>3.1 - 3.2 Quiz</b> Ch 1.3 Review</p> <p><a href="#">3.3 - 3.5 Notes:</a> Parallel Lines &amp; Transversals Proving Lines are Parallel Using Properties of Parallel Lines <a href="#">3.3 - 3.5 Notes KEY</a></p>	<p><a href="#">3.3 - 3.5 DP</a> (due 9/24) <a href="#">Answer Key</a></p>	<p>Online Textbook Pages <a href="#">3.3</a> <a href="#">3.4</a> <a href="#">3.5</a></p>

Date	Power Essential/ Learning Target	In-Class Activities	Assignments	Activities for Success
	consecutive interior, alternate interior or alternate exterior. N1: I can determine if two lines are parallel and explain how I know.			
<b>Wednesday September 24</b>	<u>Power Essential:</u> I can use types of lines and angles including parallel, perpendicular, skew and parallel lines cut by a transversal.	<a href="#">3.3 - 3.5 Practice (KEY)</a> Pre-ACT Algebra questions	FINISH: 3.3 - 3.5 Scavenger Hunt <a href="#">Stations</a> <a href="#">Work Page</a> (due 9/29 & 30)	Online Textbook Pages <a href="#">3.3</a> <a href="#">3.4</a> <a href="#">3.5</a>
<b>Thursday September 25</b>	<u>Learning Targets:</u> E2: I can find the angle measures formed by two parallel lines and a transversal. E3: I can use two parallel lines and a transversal to solve for a variable if the angles are corresponding, consecutive interior, alternate interior or alternate exterior. N1: I can determine if two lines are parallel and explain how I know.	3.3 - 3.5 Scavenger Hunt <a href="#">Stations</a> <a href="#">Work Page</a>		
<b>Friday September 26</b>	<b>No School - Professional Development Day</b>			
<b>Monday September 29</b>	<u>Power Essential:</u> I can use types of lines and angles including parallel, perpendicular, skew and parallel lines cut by a transversal.	<a href="#">3.3 - 3.5 C4L (KEY)</a> Turn In HW odds	<a href="#">3.6 DP</a> (due 10/1 & 2) <a href="#">Answer Key</a>	<a href="#">Online Textbook Pages</a>
<b>Tuesday September 30</b>	<u>Learning Targets:</u> N2: I can determine if two lines are parallel or perpendicular using their slopes.	<b>3.3 - 3.5 Quiz</b> Ch 1.4 Review  <a href="#">3.6 Notes:</a> <a href="#">3.6 Notes KEY</a> Recognizing Slopes for Parallel & Perpendicular Lines in the Coordinate Plane		<a href="#">3.6 Notes KEY #1</a>
<b>Wednesday October 1</b>	<u>Power Essential:</u> I can use types of lines and angles including parallel, perpendicular, skew and parallel	<a href="#">3.6 C4L (KEY)</a> Turn In HW odds	<a href="#">3.7 DP</a> (due 10/3 & 6) <a href="#">Answer Key</a>	<a href="#">Online Textbook Pages</a>
<b>Thursday</b>		<b>3.6 Quiz</b>		

Date	Power Essential/ Learning Target	In-Class Activities	Assignments	Activities for Success
October 2	<p>lines cut by a transversal.</p> <p><u>Learning Targets:</u>            N3: I can use equations of lines to determine if they are parallel or perpendicular.</p> <p>N4: I can solve a perimeter or area formula for a missing variable.</p>	<p>Ch 1.5 Review</p> <p><a href="#">3.7 Notes</a>: Parallel Lines            Perpendicular Lines            Solving with Formulas</p> <p><a href="#">3.7 Notes KEY</a></p>		
Friday October 3	<p><u>Power Essential:</u>            I can use types of lines and angles including parallel, perpendicular, skew and parallel lines cut by a transversal.</p> <p><u>Learning Targets:</u>            I can review all concepts and skills in Chapter 3 Geometry.</p>	<p><a href="#">3.7 C4L (KEY)</a></p> <p>Turn In HW odds</p> <p><b>3.7 Quiz</b></p> <p>Ch 1.6 Review</p> <p>Chapter 3 Review</p>	<p><a href="#">3.3 - 3.5 Practice DP</a></p> <p><a href="#">Chapter 3 Review DP</a>            Complete 1-21 Odds  <a href="#">Answer Key</a>            (Due 10/7 &amp; 8)  <a href="#">Worked Solutions</a></p>	
Monday October 6				
Tuesday October 7	<p><u>Power Essential:</u>            I can use types of lines and angles including parallel, perpendicular, skew and parallel lines cut by a transversal.</p>	<p>Ch 3 Review Odds</p>	<p>No HW!</p> <p><a href="#">Circlo</a> Level 12</p>	
Wednesday October 8	<p><u>Learning Targets:</u>            I can score proficient on the Geometry Chapter 3 Test.</p>	<p><b>Chapter 3 TEST</b></p>	<p><a href="#">BLOCK SHIFT GAME - ONLINE</a>            Level 10</p> <p><a href="#">SPACE IS KEY</a> Level 9</p>	
Thursday October 9	<p><u>Power Essential:</u>            I can classify triangles, prove they are congruent and apply properties of triangles and congruent triangles.</p>	<p>Bellringer            Pre-ACT Algebra questions</p> <p>Chapter 3.1 Review            Number Game Competition</p>	<p><a href="#">4.1 DP</a>            (due 10/13 &amp; 15)  <a href="#">Answer Key</a></p>	<p><a href="#">Online Textbook Pages</a></p>
Friday October 10	<p><u>Learning Target:</u></p>	<p><a href="#">4.1 Notes</a>: Triangles and Angles  <a href="#">4.1 Notes KEY</a></p>		

Date	Power Essential/ Learning Target	In-Class Activities	Assignments	Activities for Success
	N1: I can classify triangles by their sides and their angles. E1: I can find variables and angles of a triangle knowing that the sum of the angles of a triangle is 180 degrees. E2: I can find the exterior angle of a triangle.			
<b>Monday October 13 (Period 6)</b>	<u>Power Essential:</u> I can classify triangles, prove they are congruent and apply properties of triangles and congruent triangles. <u>Learning Target:</u> E3: I can find variables in congruent triangles by identifying corresponding parts and using congruence statements.	<a href="#">4.1 C4L (KEY)</a> 4.1 HW Questions <b>4.1 Quiz</b>  <a href="#">4.2 Notes:</a> Congruence and Triangles <a href="#">4.2 Notes KEY</a>	<a href="#">4.2 DP</a> Get on Wednesday (due 10/20) <a href="#">Answer Key</a>	<a href="#">Online Textbook Pages</a>
<b>Tuesday October 14</b>	<b>Pre-ACT Testing Day</b>			
<b>Wednesday October 15 (Period 7)</b>	<u>Power Essential:</u> I can classify triangles, prove they are congruent and apply properties of triangles and congruent triangles. <u>Learning Target:</u> E3: I can find variables in congruent triangles by identifying corresponding parts and using congruence statements.	<a href="#">4.1 C4L (KEY)</a> 4.1 HW Questions <b>4.1 Quiz</b>  <a href="#">4.2 Notes:</a> Congruence and Triangles <a href="#">4.2 Notes KEY</a>	<a href="#">4.2 DP</a> Get on Wednesday (due 10/20 & 21) <a href="#">Answer Key</a>	<a href="#">Online Textbook Pages</a>
<b>Thursday October 16</b>	<b>No School - Teacher Work Day</b>			
<b>Friday October 17</b>	<b>No School - PTC Payback Day</b>			
<b>Monday October 20</b>	<u>Power Essential:</u> I can classify triangles, prove they are congruent and apply properties of triangles and congruent triangles.	<a href="#">4.2 Notes:</a> <a href="#">4.2 DP</a> <a href="#">Answer Key</a>	4.1-4.2 Review Activity <a href="#">Cards Link</a> <a href="#">Work Page</a> <a href="#">Answer Key</a>	Online Textbook Pages <a href="#">4.1</a> , <a href="#">4.2</a>
<b>Tuesday October 21</b>	I can classify triangles, prove they are congruent and apply properties of triangles and congruent triangles.	Ch 3.1-3.2 Review  4.1-4.2 Review Activity	(due 10/22 & 23)	



Date	Power Essential/ Learning Target	In-Class Activities	Assignments	Activities for Success
	E5: I can find the value of variables in equilateral, isosceles and right triangles.	Equilateral, Isosceles and Right Triangles		
<b>Thursday October 30 (Period 6)</b>	<p><u>Learning Target:</u> E6: I can classify a triangle by plotting points on the coordinate plane.</p> <p>N3: I can perform the following transformations for a triangle given the coordinates of the pre-image: translations and reflections.</p>	<p><a href="#">4.4 C4L (KEY)</a> Turn-in 4.4 DP odds <b>4.4 Quiz</b> Ch 3 Review 3.6  <a href="#">4.5 Notes:</a> Triangles in the Coordinate Plane with Reflections and Translations <a href="#">4.5 Notes KEY</a></p>	<p><a href="#">4.5 DP</a> (due 11/4) <a href="#">Answer Key</a></p>	<p><a href="#">Online Textbook Pages</a> (Coordinates of Triangles)</p> <p><a href="#">Online Textbook Pages</a> (Translations)</p> <p><a href="#">Online Textbook Pages</a> (Reflections)</p> <p><a href="#">Shape Shifter Game</a></p>
<b>Friday October 31</b>	<b>No School - Teacher Work Day</b>			
<b>Monday November 3 (Period 7)</b>	<p><u>Learning Target:</u> E6: I can classify a triangle by plotting points on the coordinate plane.</p> <p>N3: I can perform the following transformations for a triangle given the coordinates of the pre-image: translations and reflections.</p>	<p><a href="#">4.4 C4L (KEY)</a> Turn-in 4.4 DP odds <b>4.4 Quiz</b> Ch 3 Review 3.6  <a href="#">4.5 Notes:</a> Triangles in the Coordinate Plane with Reflections and Translations <a href="#">4.5 Notes KEY</a></p>	<p><a href="#">4.5 DP</a> (due 11/4) <a href="#">Answer Key</a></p>	<p><a href="#">Online Textbook Pages</a> (Coordinates of Triangles)</p> <p><a href="#">Online Textbook Pages</a> (Translations)</p> <p><a href="#">Online Textbook Pages</a> (Reflections)</p> <p><a href="#">Shape Shifter Game</a></p>
<b>Tuesday November 4</b>	<p><u>Power Essential:</u> I can classify triangles, prove they are congruent and apply properties of triangles and congruent triangles.</p>	<p><a href="#">4.5 C4L (KEY)</a> Turn-in 4.5 DP odds <b>4.5 Quiz</b></p>	<p>FINISH: <a href="#">Chapter 4 Stations Review</a> (due 11/6) <a href="#">Answer Key</a></p>	
<b>Wednesday November 5</b>	<p><u>Learning Target:</u> I can score proficient on the Geometry Chapter 4 Test.</p>	<p>Ch 3 Review 3.7  <a href="#">Chapter 4 Stations Review</a></p>	<p><a href="#">Chapter 4 Review DP</a> (due 11/6) <a href="#">Answer Key</a>  <b>Study for:</b> <b>Chapter 4 TEST</b></p>	

## Date

## Power Essential/ Learning Target

## In-Class Activities

## Assignments

## Activities for Success

Date	Power Essential/ Learning Target	In-Class Activities	Assignments	Activities for Success
Thursday November 6	<u>Power Essential:</u> I can classify triangles, prove they are congruent and apply properties of triangles and congruent triangles.	<a href="#">Chapter 4 Review DP</a> (due 11/6) <a href="#">Answer Key</a>	No HW!	
Friday November 7	<u>Learning Target:</u> I can score proficient on the Geometry Chapter 4 Test.	Learning Goals  <b>Chapter 4 TEST</b>	<a href="#">Spot the Difference Game</a> (Lime Level)  <a href="#">Tangleshapes</a> (Level 15)	
Monday November 10				
Tuesday November 11				
Wednesday November 12				
Thursday November 13				
Friday November 14				
Monday November 17				
Tuesday November 18				
Wednesday November 19				
Thursday November 20				
Friday November 21				
Monday				

**Date****Power Essential/ Learning Target****In-Class Activities****Assignments****Activities for Success**

<b>November 24</b>				
<b>Tuesday November 25</b>				
<b>Wednesday November 26</b>	<b>No School - Thanksgiving Break</b>			
<b>Thursday November 27</b>	<b>No School - Thanksgiving Break</b>			
<b>Friday November 28</b>	<b>No School - Thanksgiving Break</b>			
<b>Monday December 1</b>				
<b>Tuesday December 2</b>				
<b>Wednesday December 3</b>				
<b>Thursday December 4</b>				
<b>Friday December 5</b>				
<b>Monday December 8</b>				
<b>Tuesday December 9</b>				
<b>Wednesday December 10</b>				
<b>Thursday December 11</b>				
<b>Friday</b>				

**Date****Power Essential/ Learning Target****In-Class Activities****Assignments****Activities for Success**

<b>December 12</b>				
<b>Monday December 15</b>				
<b>Tuesday December 16</b>				
<b>Wednesday December 17</b>				
<b>Thursday December 18</b>				
<b>Friday December 19</b>				