Geometry Lesson Plans

Geometry

Lesson Plans
2025-2026

Cathy Baker
Mark Hall

August 2025

August 2025

8/11/25 - 8/15/25

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives		Intro day	Building thinking classrooms activity	Mathematician project	Mathematician project
Activity/Lesson	No School	Letter to future self, depth and complexity name tent	Building thinking classrooms activity	Mathematician project	Mathematician project
Homework/ Formal/Informal Assessment		Get all school supplies			

8/18/25 - 8/22/25

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson	Introduce Unit 1 - The Language of Geometry Complete lesson 1.1 - Overview	Lesson 1.2 - Language of Geometry	Map Testing	Map Testing Work on Research Project	Present Famous Mathematician
Homework/ Formal/Informal Assessment	Student Activity Sheet, questions 11 and 12a-b	Student Activity Sheet, questions 20-22	Work on Research Project	Work on Research Project	Have a Great Weekend

8/25/25 - 8/29/25

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS	G 1(A,B,C,D,F,G) G.4(A), G.5 (A,C)	G 1(A,B,C,D,F,G) G.4(A), G.5 (A,C)	G 1(A,B,C,D,F,G) G.4(A), G.5 (A,C)	G 1(A,B,C,D,F,G) G.4(A), G.5 (A,C)	G 1(A,B,C,D,F,G) G.4(A), G.5 (A,C)

Student Friendly Objectives	Describe how inductive reasoning is used in mathematics Describe patterns based on inductive reasoning and explain how to use a pattern to predict the next term	Describe points, lines, and planes using physical models in our world, and define and use correct notation for line, segment, ray, angle, angle bisector, congruence, and collinear points	Observe and describe patterns and relationships among angle bisectors and write conjectures based upon their observations using appropriate mathematical vocabulary including ***angle***, ***bisector***, ***ray***, and ***vertex*** Make geometric constructions related to angle bisectors using paper folding	Observe and describe patterns and relationships among angle bisectors and write conjectures based upon their observations using appropriate mathematical vocabulary including ***angle***, ***bisector***, ***ray***, and ***vertex*** Make geometric constructions related to angle bisectors and incenters of a triangle using paper folding Formulate and clearly state conjectures related to incenters of triangles using appropriate mathematical vocabulary including ***angle bisector***, ***incenter***, and ***inscribed circle***	Observe and describe patterns and relationships among segment and write conjectures based upon their observations using appropriate mathematical vocabulary including ***segment***, ***bisector***, ***midpoint***, and ***perpendicular*** Make geometric constructions related to perpendicular bisectors and circumcenters of a triangle using paper folding Formulate and clearly state conjectures related to circumcenters of triangles using appropriate mathematical vocabulary including ***perpendicular bisector***, ***circumcenter***, and

					circumscribed circle
Activity/Lesson	Tour of Agile Minds. Continue Topic 1 Lesson 1 - Overview Finish Vocabulary	Topic 1 Lesson 2 - The Language of Geometry	Topic 1 Lesson 3 - Inductive Reasoning	Topic 1 Lesson 4 Angle bisectors and incenter circle	Topic 1 Lesson 5 Perpendicular Bisectors
Homework/ Formal/Informal Assessment	Keeping Sharp Finish Vocab	GEO Topic 1 Lesson 2 (on line)	Completed practice problems problems 6 - 9 (In Packet)	Completed practice problems problems 10-11 (In Packet) GEO Topic 1 Lesson 4 (Online)	Completed practice problems problems 11 and 12 (In Packet) GEO Topic 1 Lesson 5 (Online)

September 2025

September 2025

9/1/25 - 9/5/25

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS	No School	G 1(A,B,C,D,F,G) G.4(A), G.5 (A,C)	G 1(A,B,C,D,F,G) G.4(A), G.5 (A,C)	G 1(A,B,C,D,F,G) G.3 (B,C,D)	G 1(A,B,C,D,F,G) G.3 (B,C,D)
Student Friendly Objectives	No School	Observe and describe patterns and relationships among segment and angle bisectors and write conjectures based upon their observations using appropriate mathematical vocabulary including ***incenter***, ***circumcenter***, ***angle bisector***, and ***perpendicular bisector*** ***Apply conjectures related to incenters and circumcenters of triangles and explain their reasoning using appropriate mathematical vocabulary including incenter, circumcenter, inscribed circle, and circumscribed circle***	Apply conjectures related to circumcenters of triangles and explain their reasoning using appropriate mathematical vocabulary including ***circumcenter*** and ***perpendicular bisector***	Describe geometric definition of a reflection Apply reflections to solve contextual problems	Describe geometric definition of a reflection Describe a geometric definition of translation as the composition of two reflections across parallel lines

Activity/Lesson	No School	Topic 1 Lesson 6 - Check your understanding	Topic 1 Assessment	Topic 2 Lesson 1 - Rigid Transformations	Topic 2 Lesson 2 Translations and Reflections
Homework/ Formal/Informal Assessment	No School	Study for Topic 1 Assessment Staying Sharp #1 Due 9/9	No Homework	Assign Staying Sharp #1 Due 9/9 Geo Topic 2.1 (Due 9/5)	Assign Staying Sharp #1 Due 9/9 Geo Topic 2.2 (Due 9/8)

9/8/25 - 9/12/25

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS	G 1(A,B,C,D,F,G) G.3 (B,C,D)	G 1(A,B,C,D,F,G) G.3 (B,C,D)	G 1(A,B,C,D,F,G) G.3 (B,C,D)	G 1(A,B,C,D,F,G) G.3 (B,C,D)	G 1(A,B,C,D,F,G) G.3 (B,C,D)
Student Friendly Objectives	Describe a geometric definition of a rotation as the composition of two reflections across intersection lines	Apply reflections, translations and rotation to solve contextual problems Use reflections, translations and rotation to justice conjecture about geometric properties	Describe symmetries in nature and geometric objects using appropriate geometry vocabulary. Apply Reflections, Translations and rotation to solve contextual problems	Review	Assessment
Activity/Lesson	Topic 2 Lesson 3 Reflections and Rotations	Topic 2 Lesson 4 Application of rigid transformations	Topic 2 Lesson 5 Symmetry in Polygons	Topic 2 Review Review	Topic 2 Assessment
Homework/ Formal/Informal Assessment	In Packet # 9 - 11 AgileMinds Geo Topic 2 Lesson 3	In Packet #13 - 16 Agile Minds Geo Topic 2 Lesson 4	Agile Minds Geo Topic 2 Lesson 5 Staying Sharp #1 Due	Study for Assessment	No Homework

9/15/25 - 9/19/25

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS	No School	G.1.A, C, D, E, F, G.1.G G.2.A, G.2.B, G.3.A, G.3.B, G.3.C, G.6.A	G.1.A, C, D, E, F, G.1.G G.2.A, G.2.B, G.3.A, G.3.B, G.3.C, G.6.A	G.1.A, C, D, E, F, G.1.G G.2.A, G.2.B, G.3.A, G.3.B, G.3.C, G.6.A	G.1.A, C, D, E, F, G.1.G G.2.A, G.2.B, G.3.A, G.3.B, G.3.C, G.6.A
Student Friendly Objectives		Use coordinate representations of figures and transformations in the coordinate plane to solve application problems Develop and apply ordered pair rules for reflections of points across the x- and y-axes	Use coordinate representations of figures and transformations in the coordinate plane to solve application problems Develop and apply ordered pair rules for reflections of points across the line $y = x$ and rotations about the origin by 180°	Use coordinate representations of figures and transformations in the coordinate plane to solve application problems Develop and apply ordered pair rules for translations of points in the coordinate plane	Use coordinate representations of figures and transformations in the coordinate plane to solve application problems Use vectors to describe a translation
Activity/Lesson		Topic 3.1 Reflections Across the Axes Math Minute Meetings Unit 3 Vocabulary	Topic 3.2 Reflections and Rotations Math Minute Meetings	Topic 3.3 Translations Math Minute Meetings	Topic 3.4 Describing motion with translations and Rotations

Homework/ Formal/Informal Assessment		SAS 3.1 Agile Minds Practice Online 3.2 Lesson Activities 3.2 Unanswered Questions Staying Sharp Transformations and coordinate geometry Due 9/22	3.2 SAS 5 a-d, 6 a-f 3.3 Lesson Activities 3.3 Unanswered Questions Staying Sharp Transformations and coordinate geometry Due 9/22	3.3 SAS 9-10 3.3 Agile Minds Online 3.4 Lesson Activities 3.4 Unanswered Questions Staying Sharp Transformations and coordinate geometry Due 9/22	3.4 SAS 8 3.4 Agile Minds Online 3.5 Lesson Activities 3.5 Unanswered Questions Staying Sharp Transformations and coordinate geometry Due 9/22

9/22/25 - 9/26/25

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS	G.1.A, C, D, E, F, G.1.G G.2.A, G.2.B, G.3.A, G.3.B, G.3.C, G.6.A	G.1.A, C, D, E, F, G.1.G G.2.A, G.2.B, G.3.A, G.3.B, G.3.C, G.6.A	G.1.A, C, D, E, F, G.1.G G.2.A, G.2.B, G.3.A, G.3.B, G.3.C, G.6.A	G.1.A, C, D, E, F, G.1.G G.2.A, G.2.B, G.3.A, G.3.B, G.3.C, G.6.A	G.1.A, C, D, E, F, G.1.G G.2.A, G.2.B, G.3.A, G.3.B, G.3.C, G.6.A
Student Friendly Objectives	Discover and justify geometric properties of objects using coordinate representations of the object	Transform a shape using a dilation, a vertical stretch, or a horizontal stretch Compare nonrigid transformations to rigid transformations	Use coordinate representations of figures and transformations in the coordinate plane to solve application problems Use a matrix representation of the vertices of a polygon in the coordinate plane	Test Review	TEST
Activity/Lesson	3.5 Transformational Proofs	3.6 Nonrigid Transformations	3.7 Using Matrices to describe transformations	Review	Topic 3 Assessment
Homework/	Preview 3.6 and write 3	Preview 3.7 and write 3	Agile Minds Geo Topic 3	Geo Topic 3 Review	None

Formal/Informal Assessment	unanswered Questions	unanswered Question SAS # 5 - 6 Agile Minds Geo Topic 3 Lesson 6	Lesson 7 Start Topic 3 Review		

9/29/25 - 10/3/25

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives	Unit Test Review	Unit Test Review	4.1	4.2	4.3
Activity/Lesson					
Homework/ Formal/Informal Assessment					

October 2025

October 2025

10/3/25 - 10/10/25

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives	4.4	4.5	4.6	TEST	
Activity/Lesson					
Homework/ Formal/Informal Assessment					

10/20/25 - 10/31/25

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					

November 2025

November 2025

11/3/25 - 11/7/25

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					

11/10/25 - 11/14/25

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					

11/17/25 - 11/21/25

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					

December 2025

December 2025

12/1/25 - 12/5/25

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					

12/8/25 - 12/12/25

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					

12/15/25 - 12/19/25

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					

January 2026

January 2026

1/5/26 - 1/9/26

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					

1/12/26 - 1/16/26

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					

1/19/26 - 1/23/26

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					

1/26/26 - 1/30/26

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					

February 2026

February 2026

2/2/26 - 2/6/26

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					

2/9/26 - 2/13/26

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					

2/16/26 - 2/20/26

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					

2/23/26 - 2/27/26

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					

March 2026

March 2026

3/2/26 - 3/6/26

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					

3/16/26 - 3/20/26

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					

3/30/26 - 4/3/26

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					

April 2026

April 2026

4/6/26 - 4/10/26

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					

4/13/26 - 4/17/26

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					

4/20/26 - 4/24/26

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					

4/27/26 - 5/1/26

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					

May 2026

May 2026

5/4/26 - 5/8/26

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					

5/11/26 - 5/15/26

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					

5/18/26 - 5/22/26

	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS					
Student Friendly Objectives					
Activity/Lesson					
Homework/ Formal/Informal Assessment					