

GEOMETRY HONORS

1206320 or 1209820 (Pre-AICE) or 1206810 (IB MYP)

Instructional Resource: Pearson: *enVision Geometry*, ©2020

Course Pacing

Unit of Instruction	# of Days	Dates of Instruction
Topic 1: Foundations of Geometry	18	8/19-9/12
Topic 2: Parallel and Perpendicular Lines	10	9/13-9/29
Topic 3: Transformations	12	9/27-10/16
Cycle 1 Assessment (Units 1 -3)	1	10/11 (9/30 – 10/11)
Topic 4: Triangle Congruence	14	10/17-11/5
Topic 5: Relationships in Triangles	12	11/6-11/21
Topic 6: Quadrilaterals and Other Polygons <i>Continues into Semester 2</i>	7	12/2-12/10
Midterm Exam (& Review) (Units 1-5)	1	12/11 – 12/20
Topic 6: Quadrilaterals and Other Polygons <i>Continues from Semester 1</i>	8	1/8-1/17
Topic 7: Similarity	12	1/21-2/5
Topic 8: Right Triangles and Trigonometry	12	2/6-2/24
Topic 9: Coordinate Geometry	14	2/25-3/13
Topic 10: Circles	12	3/24-4/8
Topic 11: Two- and Three-Dimensional Models	10	4/13-4/24
Topic 12: Density	4	4/27-4/30
Geometry EOC	2	5/4 – 5/29

August 2019	Building Community in the Math Classroom	
1 2 3	Topic 1: Foundations of Geometry	
4 5 6 7 8 9 10	MAFS.912.G-CO.1.1	MAFS.912.G-CO.3.11
11 12 13 14 15 16 17	MAFS.912.G-CO.3.9	MAFS.912.G-CO.4.12
18 19 20 21 22 23 24	MAFS.912.G-CO.3.10	MAFS.912.G-GPE.2.6
25 26 27 28 29 30 31	Topic 2: Parallel and Perpendicular Lines	
September 2019	MAFS.912.G-CO.1.1	MAFS.912.G-MG.1.1
1 2 3 4 5 6 7	MAFS.912.G-CO.3.9	MAFS.912.G-MG.1.3
8 9 10 11 12 13 14	MAFS.912.G-CO.3.10	MAFS.912.G-GPE.2.5
15 16 17 18 19 20 21	Cycle 1 Assessment (on Topics 1-3)	
22 23 24 25 26 27 28	Sept. 30-Oct. 11 (Take as late as possible)	
29 30	Topic 3: Transformations	
October 2019	MAFS.912.G-CO.1.2	MAFS.912.G-CO.1.5
1 2 3 4 5	MAFS.912.G-CO.1.3	MAFS.912.G-CO.2.6
6 7 8 9 10 11 12	MAFS.912.G-CO.1.4	
13 14 15 16 17 18 19	Topic 4: Triangle Congruence	
20 21 22 23 24 25 26	MAFS.912.G-CO.1.5	MAFS.912.G-CO.3.10
27 28 29 30 31	MAFS.912.G-CO.2.6	MAFS.912.G-CO.4.13
November 2019	MAFS.912.G-CO.2.7	MAFS.912.G-SRT.2.5
1 2	MAFS.912.G-CO.2.8	
3 4 5 6 7 8 9	Topic 5: Relationships in Triangles	
10 11 12 13 14 15 16	MAFS.912.G-CO.3.9	MAFS.912.G-SRT.2.5
17 18 19 20 21 22 23	MAFS.912.G-CO.3.10	
24 25 26 27 28 29 30	Topic 6: Quadrilaterals and Other Polygons	
December 2019	MAFS.912.G-C.1.3	MAFS.912.G-SRT.2.5
1 2 3 4 5 6 7	MAFS.912.G-CO.3.11	
8 9 10 11 12 13 14	Midterm Exam (& Review) (on Topics 1-5)	
15 16 17 18 19 20 21	Dec. 10-Dec. 20	
22 23 24 25 26 27 28		
29 30 31		

Re-Building Community in the Math Classroom	January 2020
Topic 6: Quadrilaterals and Other Polygons	1 2 3 4
MAFS.912.G-C.1.3	5 6 7 8 9 10 11
MAFS.912.G-SRT.2.5	12 13 14 15 16 17 18
MAFS.912.G-CO.3.11	19 20 21 22 23 24 25
Topic 7: Similarity	26 27 28 29 30 31
MAFS.912.G-C.1.1	February 2020
MAFS.912.G-CO.1.2	1
MAFS.912.G-CO.1.5	2 3 4 5 6 7 8
MAFS.912.G-CO.3.10	9 10 11 12 13 14 15
MAFS.912.G-SRT.1.1	16 17 18 19 20 21 22
Topic 8: Right Triangles and Trigonometry	23 24 25 26 27 28 29
MAFS.912.G-SRT.2.4	March 2020
MAFS.912.G-SRT.3.6	1 2 3 4 5 6 7
MAFS.912.G-SRT.3.7	8 9 10 11 12 13 14
MAFS.912.G-SRT.3.8	15 16 17 18 19 20 21
Topic 9: Coordinate Geometry	22 23 24 25 26 27 28
MAFS.912.G-CO.3.10	29 30 31
MAFS.912.G-GPE.1.1	April 2020
MAFS.912.G-GPE.1.2	1 2 3 4
MAFS.912.G-GPE.1.3	5 6 7 8 9 10 11
Topic 10: Circles	12 13 14 15 16 17 18
MAFS.912.G-C.1.2	19 20 21 22 23 24 25
MAFS.912.G-C.1.4	26 27 28 29 30
MAFS.912.G-C.2.5	May 2020
Topic 11: Two- and Three-Dimensional Models	1 2
MAFS.912.G-MG.1.1	3 4 5 6 7 8 9
MAFS.912.G-MG.1.2	10 11 12 13 14 15 16
MAFS.912.G-GMD.1.1	17 18 19 20 21 22 23
MAFS.912.G-GMD.2.4	24 25 26 27 28 29 30
Topic 12: Density	31
TBD	June 2020
Geometry EOC	1 2 3 4 5 6
May 4-May 28	

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
		Aug. 14 Culture Building	Aug. 15 Culture Building	Aug. 16 Culture Building
Aug. 19 1-1 Measuring Segments and Angles	Aug. 20 1-1 Measuring Segments and Angles	Aug. 21 1-2 Basic Constructions	Aug. 22 1-2 Basic Constructions	Aug. 23 1-3 Midpoint and Distance
Aug. 26 1-3 Midpoint and Distance	Aug. 27 1-4 Inductive Reasoning	Aug. 28 1-4 Inductive Reasoning	Aug. 29 Mathematical Modeling in 3 Acts: <i>Mystery Spokes</i>	Aug. 30 1-5 Conditional Statements
Sept. 2 No School	Sept. 3 1-5 Conditional Statements	Sept. 4 1-6 Deductive Reasoning	Sept. 5 1-6 Deductive Reasoning	Sept. 6 1-7 Writing Proofs
Sept. 9 1-7 Writing Proofs	Sept. 10 1-8 Indirect Proof	Sept. 11 1-8 Indirect Proof	Sept. 12 Topic 1 Assessment	Sept. 13 2-1 Properties of Parallel Lines
Sept. 16 2-1 Properties of Parallel Lines	Sept. 17 2-2 Proving Lines Parallel	Sept. 18 2-2 Proving Lines Parallel	Sept. 19 2-3 Parallel Lines and Triangles	Sept. 20 2-3 Parallel Lines and Triangles
Sept. 23 2-4 Slopes of Parallel and Perpendicular Lines	Sept. 24 2-4 Slopes of Parallel and Perpendicular Lines	Sept. 25 Mathematical Modeling in 3 Acts: <i>Parallel Paving Company</i>	Sept. 26 Topic 2 Assessment	Sept. 27 3-1 Translations
Sept. 30 3-1 Translations	Oct. 1 3-2 Reflections	Oct. 2 3-2 Reflections	Oct. 3 3-3 Rotations	Oct. 4 3-3 Rotations
Oct. 7 3-4 Classification of Isometries	Oct. 8 3-4 Classification of Isometries	Oct. 9 3-5 Symmetry	Oct. 10 3-5 Symmetry	Oct. 11 CYCLE 1 ASSESSMENT <i>End of Grading Period</i>

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Oct. 14 Non-Student Day	Oct. 15 Mathematical Modeling in 3 Acts: <i>The Perplexing Polygon</i>	Oct. 16 Topic 3 Assessment	Oct. 17 4-1 Congruence	Oct. 18 4-1 Congruence
Oct. 21 4-2 Isosceles and Equilateral Triangles	Oct. 22 4-2 Isosceles and Equilateral Triangles	Oct. 23 Mathematical Modeling in 3 Acts: <i>Check It Out</i>	Oct. 24 4-3 Proving and Applying the SAS and SSS Congruence Criteria	Oct. 25 4-3 Proving and Applying the SAS and SSS Congruence Criteria
Oct. 28 4-4 Proving and Applying the ASA and AAS Congruence Criteria	Oct. 29 4-4 Proving and Applying the ASA and AAS Congruence Criteria	Oct. 30 4-5 Congruence in Right Triangles	Oct. 31 4-5 Congruence in Right Triangles	Nov. 1 4-6 Congruence in Overlapping Triangles
Nov. 4 4-6 Congruence in Overlapping Triangles	Nov. 5 Topic 4 Assessment	Nov. 6 5-1 Perpendicular and Angle Bisectors	Nov. 7 5-1 Perpendicular and Angle Bisectors	Nov. 8 5-2 Bisectors in Triangles
Nov. 11 5-2 Bisectors in Triangles	Nov. 12 Mathematical Modeling in 3 Acts: <i>Making It Fair</i>	Nov. 13 5-3 Medians and Altitudes	Nov. 14 5-3 Medians and Altitudes	Nov. 15 5-4 Inequalities in One Triangle
Nov. 18 5-4 Inequalities in One Triangle	Nov. 19 5-5 Inequalities in Two Triangles	Nov. 20 5-5 Inequalities in Two Triangles	Nov. 21 Topic 5 Assessment	Nov. 22 FREE DAY
Dec. 2 6-1 The Polygon Angle- Sum Theorems	Dec. 3 6-1 The Polygon Angle- Sum Theorems	Dec. 4 Mathematical Modeling in 3 Acts: <i>The Mystery Sides</i>	Dec. 5 6-2 Kites and Trapezoids	Dec. 6 6-2 Kites and Trapezoids
Dec. 9 6-3 Properties of Parallelograms	Dec. 10 6-3 Properties of Parallelograms	Dec. 11 Midterm Exam Review	Dec. 12 Midterm Exam Review	Dec. 13 MIDTERM EXAMS
Dec. 16 MIDTERM EXAMS	Dec. 17 MIDTERM EXAMS	Dec. 18 MIDTERM EXAMS	Dec. 19 MIDTERM EXAM MAKE- UPS	Dec. 20 MIDTERM EXAM MAKE- UPS <i>End of Grading Period</i>

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Jan. 6 Non-Student Day	Jan. 7 Culture Building	Jan. 8 Review 6-1, 6-2, and 6-3	Jan. 9 6-4 Proving that a Quadrilateral is a Parallelogram	Jan. 10 6-4 Proving that a Quadrilateral is a Parallelogram
Jan. 13 6-5 Properties of Rhombuses, Rectangles, and Squares	Jan. 14 6-5 Properties of Rhombuses, Rectangles, and Squares	Jan. 15 6-6 Conditions of Rhombuses, Rectangles, and Squares	Jan. 16 6-6 Conditions of Rhombuses, Rectangles, and Squares	Jan. 17 Topic 6 Assessment
Jan. 20 No School	Jan. 21 7-1 Dilations	Jan. 22 7-1 Dilations	Jan. 23 7-2 Similarity Transformations	Jan. 24 7-2 Similarity Transformations
Jan. 27 7-3 Proving Triangles Similar	Jan. 28 7-3 Proving Triangles Similar	Jan. 29 7-4 Similarity in Right Triangles	Jan. 30 7-4 Similarity in Right Triangles	Jan. 31 Mathematical Modeling in 3 Acts: <i>Make It Right</i>
Feb. 3 7-5 Properties in Triangles	Feb. 4 7-5 Properties in Triangles	Feb. 5 Topic 7 Assessment	Feb. 6 8-1 Right Triangles and the Pythagorean Theorem	Feb. 7 8-1 Right Triangles and the Pythagorean Theorem
Feb. 10 8-2 Trigonometric Ratios	Feb. 11 8-2 Trigonometric Ratios	Feb. 12 8-3 Law of Sines	Feb. 13 8-3 Law of Sines	Feb. 14 8-4 Law of Cosines
Feb. 17 Non-Student Day	Feb. 18 8-4 Law of Cosines	Feb. 19 Mathematical Modeling in 3 Acts: <i>The Impossible Measurement</i>	Feb. 20 8-5 Problem Solving with Trigonometry	Feb. 21 8-5 Problem Solving with Trigonometry
Feb. 24 Topic 8 Assessment	Feb. 25 9-1 Polygons in the Coordinate Plane	Feb. 26 9-1 Polygons in the Coordinate Plane	Feb. 27 Mathematical Modeling in 3 Acts: <i>You Be The Judge</i>	Feb. 28 9-2 Proofs Using Coordinate Geometry
Mar. 2 9-2 Proofs Using Coordinate Geometry	Mar. 3 9-3 Circles in the Coordinate Plane	Mar. 4 9-3 Circles in the Coordinate Plane	Mar. 5 9-4 Parabolas in the Coordinate Plane	Mar. 6 9-4 Parabolas in the Coordinate Plane
Mar. 9 9-5 Ellipses	Mar. 10 9-5 Ellipses	Mar. 11 9-6 Hyperbolas	Mar. 12 9-6 Hyperbolas	Mar. 13 Topic 9 Assessment <i>End of Grading Period</i>

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Mar. 23 Non-Student Day	Mar. 24 10-1 Arcs and Sectors	Mar. 25 10-1 Arcs and Sectors	Mar. 26 10-2 Lines Tangent to a Circle	Mar. 27 10-2 Lines Tangent to a Circle
Mar. 30 Mathematical Modeling in 3 Acts: <i>Earth Watch</i>	Mar. 31 10-3 Chords	Apr. 1 10-3 Chords	Apr. 2 10-4 Inscribed Angles	Apr. 3 10-4 Inscribed Angles
Apr. 6 10-5 Secant Lines and Segments	Apr. 7 10-5 Secant Lines and Segments	Apr. 8 Topic 10 Assessment	Apr. 9 FREE DAY	Apr. 10 No School
Apr. 13 11-1 Space Figures and Cross Sections	Apr. 14 11-1 Space Figures and Cross Sections	Apr. 15 11-2 Prisms and Cylinders	Apr. 16 11-2 Prisms and Cylinders	Apr. 17 Mathematical Modeling in 3 Acts: <i>Box 'Em Up</i>
Apr. 20 11-3 Pyramids and Cones	Apr. 21 11-3 Pyramids and Cones	Apr. 22 11-4 Spheres	Apr. 23 11-4 Spheres	Apr. 24 Topic 11 Assessment
Apr. 27 Density (<i>District-created</i>)	Apr. 28 Density (<i>District-created</i>)	Apr. 29 Density (<i>District-created</i>)	Apr. 30 Density (<i>District-created</i>)	May 1 FREE DAY
May 4 EOC Window	May 5 EOC Window	May 6 EOC Window	May 7 EOC Window	May 8 EOC Window
May 11 EOC Window	May 12 EOC Window	May 13 EOC Window	May 14 EOC Window	May 15 EOC Window
May 18 EOC Window	May 19 EOC Window	May 20 EOC Window	May 21 EOC Window	May 22 EOC Window FINAL EXAMS
May 25 No School	May 26 EOC Window FINAL EXAMS	May 27 EOC Window FINAL EXAMS	May 28 EOC Window FINAL EXAMS	May 29 Student's Last Day End of Grading Period