Geometry

English Language Proficiency Standards (ELPS) Overview

This document provides an overview of the ELPS coverage in the Texas Math Solution for Geometry.

Module	Topic	L#	Lesson Title	Lesson Subtitle	1.A	1.B	1.C	1.D
Module 1: Reasoning with Shapes	Topic 1: Using a Rectangular Coordinate System	1	The Squariest Square	From Informal to Formal Geometric Thinking	●		●	
		2	Hip to Be Square	Constructing a Coordinate Plane	●		●	
		3	Ts and Train Tracks	Parallel and Perpendicular Lines	●		●	
		4	Where Has Polly Gone?	Classifying Shapes on the Coordinate Plane	●		●	
		5	In and Out and All About	Area and Perimeter on the Coordinate Plane	●		●	
	Topic 2: Rigid Motions on a Plane	1	Put Your Input In, Take Your Output Out	Geometric Components of Rigid Motions	●		●	
		2	Bow Thai	Translations as Functions	●		●	
		3	Staring Back at Me	Reflections as Functions	●		●	
		4	Turn Yourself Around	Rotations as Functions	●		●	
		5	Slide, Flip, Turn: The Latest Dance Craze?	Translations, Rotations, and Reflections on the Coordinate Plane	●		●	●
		6	OKEECHOBEE	Reflectional and Rotational Symmetry	●		●	
	Topic 3: Congruence Through Transformations	1	Elemental	Formal Reasoning in Euclidean Geometry	●		●	
		2	ASA, SAS, and SSS	Proving Triangle Congruence Theorems	●		●	
		3	I Never Forget a Face	Using Triangle Congruence to Solve Problems	●		●	
Module 2: Establishing Congruence	Topic 1: Composing and Decomposing Shapes	1	Running Circles Around Geometry	Using Circles to Make Conjectures	●		●	●
		2	The Quad Squad	Conjectures About Quadrilaterals	●		●	●
		3	Into the Ring	Constructing an Inscribed Regular Polygon	●		●	●
		4	Tri- Tri- Tri- and Separate Them	Conjectures About Triangles	●		●	●
		5	What's the Point?	Points of Concurrency	●		●	●
	Topic 2: Justifying Line and Angle Relationships	1	Proof Positive	Forms of Proof	●		●	●
		2	A Parallel Universe	Proving Parallel Line Theorems	●		●	●
		3	Ins and Outs	Interior and Exterior Angles of Polygons	●		●	●
		4	Identical Twins	Perpendicual Bisector and Isosceles Triangle Theorems	●		●	●
		5	Corners in a Round Room	Angle Relationships Inside and Outside Circles	●		●	●
	Topic 3: Using Congruence Theorems	1	SSS, SAS, AAS... S.O.S.!	Using Triangle Congruence to Determine Relationships Between Segments	●			●
		2	Props To You	Properties of Quadrilaterals	●			●
		3	Three-Chord Song	Relationships Between Chords	●			●
Module 3: Investigating Proportionality	Topic 1: Similarity	1	Big Little, Big Little	Dilating Figures to Create Similar Figures	●		●	
		2	Similar Triangles or Not?	Establishing Triangle Similarity Criteria	●		●	
		3	Keep It in Proportion	Theorems About Proportionality	●		●	
		4	This Isn't Your Average Mean	More Similar Triangles	●		●	
		5	Run It Up the Flagpole	Application of Similar Triangles	●		●	
		6	Jack's Spare Key	Partitioning Segments in Given Ratios	●		●	
	Topic 2: Trigonometry	1	Three Angle Measure	Introduction to Trigonometry	●			●
		2	Going on a Tangent	Tangent Ratio and Inverse Tangent	●		●	●
		3	Show Me a Sine	Sine Ratio and Inverse Sine	●			●
		4	Can I Get a Cosine?	Cosine Ratio and Inverse Cosine	●			●
		5	Fishing for Complements	Complement Angle Relationships	●			●
Module 4: Connecting Geometric and Algebraic Descriptions	Topic 1: Circles and Volume	1	All Circles Great and Small	Similarity Relationships in Circles	●			●
		2	A Piece of Pi	Sectors and Segments of a Circle	●		●	●
		3	Do Me a Solid	Building Three-Dimensional Figures	●			●
		4	Get to the Point	Building Volume and Surface Area Formulas for Pyramids, Cones, and Spheres	●			●
	Topic 2: Conic Sections	1	Give Me a Slice	Cross-Sections	●		●	●
		2	X^2 Plus Y^2 Equals Radius^2	Deriving the Equation for a Circle	●			●
		3	A Blip on the Radar	Determining Points on a Circle	●		●	●
Module 5: Making Informed Decisions	Topic 1: Independence and Conditional Probability	1	What Are the Chances?	Compound Sample Spaces	●	●		●
		2	*And*?	Compound Probability with And	●	●		●
		3	*Or*?	Compound Probability with Or	●		●	●
		4	And, Or, and More!	Calculating Compound Probability	●			●
	Topic 2: Computing Probabilities	1	Table Talk	Compound Probability for Data Displayed in Two-Way Tables	●			●
		2	It All Depends	Conditional Probability	●			●
		3	Give Me 5!	Permutations and Combinations	●			●
		4	A Different Kind of Court Trial	Independent Trials	●			●
		5	What Do You Expect?	Expected Value	●			●
End of Course	Formative Assessment	1	Shape Up!	Performance Task	●	●	●	
		2	Map My Route	Performance Task	●	●	●	
		3	It's a Bird! It's a Plane! It's...a Drone?	Performance Task	●	●		

1.E	1.F	1.G	1.H	2.A	2.B	2.C	2.D	2.E	2.F	2.G	2.H	2.I	3.A	3.B	3.C	3.D	3.E	3.F	3.G	3.H	3.I	3.J	4.A	4.B	4.C	4.D	4.E	4.F	4.G	4.H	4.I	4.J	4.K	5.A	5.B	5.C	5.D	5.E	5.F	5.G
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Geometry ELPS Summary by Module and Topic	1.A	1.B	1.C	1.D	1.E	1.F	1.G	1.H	2.A	2.B	2.C	2.D	2.E	2.F	2.G	2.H	2.I	3.A
Module 1 ELPS Summary	●		●	●	●	●	●				●	●	●		●	●	●	●
M1 Topic 1 ELPS Summary	●		●		●	●	●				●		●				●	
M1 Topic 2 ELPS Summary	●		●	●	●	●	●				●	●	●		●	●	●	●
M1 Topic 3 ELPS Summary	●		●		●	●	●				●		●				●	

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Module 2 ELPS Summary	●		●	●	●						●	●	●		●	●	●	●
M2 Topic 1 ELPS Summary	●		●	●	●						●	●			●	●	●	●
M2 Topic 2 ELPS Summary	●		●	●	●						●	●			●	●	●	●
M2 Topic 3 ELPS Summary	●			●	●						●	●			●	●	●	●

	1.A	1.B	1.C	1.D	1.E	1.F	1.G	1.H	2.A	2.B	2.C	2.D	2.E	2.F	2.G	2.H	2.I	3.A
Module 3 ELPS Summary	●		●	●	●		●				●	●			●	●	●	●
M3 Topic 1 ELPS Summary	●		●		●		●				●	●			●	●	●	●
M3 Topic 2 ELPS Summary	●		●	●	●		●				●	●			●	●	●	●

	1.A	1.B	1.C	1.D	1.E	1.F	1.G	1.H	2.A	2.B	2.C	2.D	2.E	2.F	2.G	2.H	2.I	3.A
Module 4 ELPS Summary	●		●	●	●		●				●	●			●	●	●	●
M4 Topic 1 ELPS Summary	●		●	●	●		●				●	●			●	●	●	●
M4 Topic 2 ELPS Summary	●		●	●	●		●				●	●			●	●	●	●

	1.A	1.B	1.C	1.D	1.E	1.F	1.G	1.H	2.A	2.B	2.C	2.D	2.E	2.F	2.G	2.H	2.I	3.A
Module 5 ELPS Summary	●	●	●	●	●	●	●		●	●	●	●		●	●	●	●	●
M5 Topic 1 ELPS Summary	●	●	●	●	●		●		●	●	●	●			●	●	●	●
M5 Topic 2 ELPS Summary	●			●	●	●	●				●	●		●	●	●	●	●

	1.A	1.B	1.C	1.D	1.E	1.F	1.G	1.H	2.A	2.B	2.C	2.D	2.E	2.F	2.G	2.H	2.I	3.A
End of Course: Formative Assessment	●	●	●					●	●	●		●	●	●	●	●	●	●

Geometry ELPS Summary by Module	1.A	1.B	1.C	1.D	1.E	1.F	1.G	1.H	2.A	2.B	2.C	2.D	2.E	2.F	2.G	2.H	2.I	3.A
Module 1 ELPS Summary	●		●	●	●	●	●				●	●	●		●	●	●	●
Module 2 ELPS Summary	●		●	●	●						●	●	●		●	●	●	●
Module 3 ELPS Summary	●		●	●	●		●				●	●			●	●	●	●
Module 4 ELPS Summary	●		●	●	●		●				●	●			●	●	●	●
Module 5 ELPS Summary	●	●	●	●	●	●	●		●	●	●	●		●	●	●	●	●
End of Course: Formative Assessment	●	●	●					●	●	●		●	●	●	●	●	●	●

Geometry ELPS Course Summary	1.A	1.B	1.C	1.D	1.E	1.F	1.G	1.H	2.A	2.B	2.C	2.D	2.E	2.F	2.G	2.H	2.I	3.A
Geometry ELPS Course Summary	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

3.B	3.C	3.D	3.E	3.F	3.G	3.H	3.I	3.J	4.A	4.B	4.C	4.D	4.E	4.F	4.G	4.H	4.I	4.J	4.K	5.A	5.B	5.C	5.D	5.E	5.F	5.G
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3.B	3.C	3.D	3.E	3.F	3.G	3.H	3.I	3.J	4.A	4.B	4.C	4.D	4.E	4.F	4.G	4.H	4.I	4.J	4.K	5.A	5.B	5.C	5.D	5.E	5.F	5.G
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