



**Bluebonnet
Learning™**

Secondary Mathematics

EDITION 1

Geometry

Standards Overview

Acknowledgment

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Notice

These learning resources have been built for Texas students, aligned to the Texas Essential Knowledge and Skills, and are made available pursuant to Chapter 31, Subchapter B-1 of the Texas Education Code.

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GEOMETRY STANDARDS OVERVIEW

TEKS covered at the lesson level are shown in **course color**. Additional TEKS covered in Skills Practice are shown in black.

		Coordinate and Transformational Geometry	Logical Arguments and Constructions	Proof and Congruence	Similarity, Proof, and Trigonometry
MODULE 1: Reasoning with Shapes	TOPIC 1: Geometry Reasoning		G.4A (E)G.4A G.4C (P)G.4B G.4D (E)G.4D	(P)G.6A	G.9B
	TOPIC 2: Using a Rectangular Coordinate System	G.2B (E)G.2B G.2C (E)G.3C G.3C (P)G.3C	G.4B (P)G.5A G.5A (E)G.5C G.5B G.5C		G.9B (E)G.9B
	TOPIC 3: Sequences of Rigid Motions	G.3A G.2B G.3B G.2C G.3C (E)G.3A (E)G.3B (P)G.3B (P)G.3C (E)G.3C	G.5B	G.6A G.6C	
	TOPIC 4: Congruence Through Transformations	G.2B G.3C G.3D (E)G.3D	G.4C G.4A G.5A G.5B	G.6B (E)G.6B G.6C	
MODULE 2: Justifying Mathematical Ideas and Arguments	TOPIC 1: Composing and Decomposing Shapes		G.2B G.4A G.4C G.2C G.4B (E)G.5A G.4C G.5A (P)G.5A G.5B (E)G.5B G.5C (E)G.5C G.5D	G.6E (P)G.6A (E)G.6B G.6D (P)G.6D (P)G.6E	G.9B
	TOPIC 2: Justifying Line and Angle Relationships	G.3B	G.4A (E)G.4B G.4B (E)G.5A G.4C (P)G.5A G.5A (E)G.5C G.5B G.5D	G.6A (E)G.6A G.6B (P)G.6A G.6D (P)G.6B (E)G.6D (P)G.6D	G.9B (E)G.9B
	TOPIC 3: Using Congruence Theorems		G.4B G.4A G.5A G.5B G.5C	G.6B G.6A G.6E (E)G.6B (E)G.6E	G.9B

(P) = Prerequisite for TEKS (E) = Extension of TEKS

GEOMETRY STANDARDS OVERVIEW

		Two-Dimensional and Three-Dimensional Figures	Circles	Probability
MODULE 1: Reasoning with Shapes	TOPIC 1: Geometry Reasoning			
	TOPIC 2: Using a Rectangular Coordinate System	G.10B (E)G.10B G.11A G.11B		
	TOPIC 3: Sequences of Rigid Motions	G.10B		
	TOPIC 4: Congruence Through Transformations			
MODULE 2: Justifying Mathematical Ideas and Arguments	TOPIC 1: Composing and Decomposing Shapes	G.11B	(P)G.12A	
	TOPIC 2: Justifying Line and Angle Relationships	G.11A	G.12A	
	TOPIC 3: Using Congruence Theorems		G.12A (E)G.12A	

(P) = Prerequisite for TEKS (E) = Extension of TEKS

GEOMETRY STANDARDS OVERVIEW

		Coordinate and Transformational Geometry	Logical Arguments and Constructions	Proof and Congruence	Similarity, Proof, and Trigonometry
MODULE 3: Investigating Proportionality	TOPIC 1: Similarity	G.2A (E)G.2A G.2B G.3A G.3B G.3C	G.4C G.5A G.5B G.5C	G.6A (E)G.6D G.6D G.6E (E)G.6E	G.7A (E)G.7A G.7B (E)G.7B G.8A (E)G.8B G.8B
	TOPIC 2: Trigonometry	G.2A G.2B G.3A G.3B	G.5B		G.7B G.8B G.8A (E) G.9A G.9A G.9B
MODULE 4: Connecting Geometric and Algebraic Descriptions	TOPIC 1: Circles	G.2B G.2A G.3C G.3A	G.5A G.4C G.5B G.4D G.5C G.5D G.6A		G.9A
	TOPIC 2: Building Three-Dimensional Shapes	G.2A G.3A	G.4C G.4D G.5D		G.9A G.9B
MODULE 5: Making Informed Decisions	TOPIC 1: Independence and Conditional Probability	G.2A	G.4B G.4C G.5D	G.6C	G.9A
	TOPIC 2: Computing Probabilities				G.9A

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GEOMETRY STANDARDS OVERVIEW

		Two-Dimensional and Three-Dimensional Figures	Circles	Probability
MODULE 3: Investigating Proportionality	TOPIC 1: Similarity		G.12A	
	TOPIC 2: Trigonometry			
MODULE 4: Connecting Geometric and Algebraic Descriptions	TOPIC 1: Circles	G.10B	G.11B (E)G.12A G.12A (P)G.12A G.12B (E)G.12B G.12C (E)G.12C G.12D (E)G.12E G.12E	
	TOPIC 2: Building Three-Dimensional Shapes	G.10A (E)G.10A G.10B (P)G.10A	G.11C (E)G.11C G.11D (E)G.11D (P)G.11D G.12B G.12C G.12D	
MODULE 5: Making Informed Decisions	TOPIC 1: Independence and Conditional Probability		G.12E	G.13A (E)G.13A G.13C (E)G.13C G.13D (P)G.13C G.13E
	TOPIC 2: Computing Probabilities		G.11D	G.13A (E)G.13A G.13B (P)G.13A G.13C (E)G.13B G.13D (E)G.13C G.13E (E)G.13D (P)G.13D (E)G.13E

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