

# Accelerated Grade 7

## Texas Essential Knowledge and Skills (TEKS) Overview

This document provides an overview of the TEKS coverage in the Texas Math Solution for Accelerated Grade 7.

Module	Topic	L#	Lesson Title	Lesson Subtitle	7.2A	7.3A	7.3B	7.4A	7.4B	7.4C	7.4D	7.4E	7.5A	7.5B	7.5C	7.6A	7.6B	7.6C	7.6D	7.6E	7.6F	7.6G	7.6H	7.6I	7.7A	7.8A	7.8B	7.8C	7.9A	7.9B	7.9C		
Module 1: Transforming Geometric Objects	Topic 1: Rigid Motion Transformations	1	Patty Paper, Patty Paper	Introduction to Congruent Figures																													
		2	Slides, Flips, and Spins	Introduction to Rigid Motions																													
		3	Lateral Moves	Translations of Figures on the Coordinate Plane																													
		4	Mirror, Mirror	Reflections of Figures on the Coordinate Plane																													
		5	Half Turns and Quarter Turns	Rotations of Figures on the Coordinate Plane																													
		6	Every Which Way	Combining Rigid Motions																													
	Topic 2: Similarity	1	Pinch-Zoom Geometry	Dilations of Figures																													
		2	Rising, Running, Stepping, Scaling	Dilating Figures on the Coordinate Plane																													
		3	From Here to There	Mapping Similar Figures Using Transformations																													
	Topic 3: Line and Angle Relationships	1	Seeing It From a Different Angle	Special Angle Relationships																													
		2	Pulling a One-Eighty!	Triangle Sum and Exterior Angle Theorems																													
		3	Crisscrossed Applesauce	Angle Relationships Formed by Lines Intersected by a Transversal																													
4		The Vanishing Point	The Angle-Angle Similarity Theorem																														
Module 2: Developing Function Foundations	Topic 1: From Proportions to Linear Relationships	1	Post-Secondary Proportions	Representations of Proportional Relationships																													
		2	Jack and Jill Went Up the Hill	Using Similar Triangles to Describe Steepness of a Line																													
		3	Slippery Slopes	Exploring Slopes Using Similar Triangles																													
		4	Up, Down, and All Around	Transformations of Lines																													
	Topic 2: Two-Step Equations and Inequalities	1	Picture Algebra	Modeling Equations as Equal Expressions																													
		2	Expressions That Play Together...	Solving Equations on a Double Number Line																													
		3	Formally Yours	Using Inverse Operations to Solve Equations																													
		4	Be Greater Than	Solving Inequalities with Inverse Operations																													
	Topic 3: Multiple Representations of Equations	1	Put It on the Plane	Representing Equations with Tables and Graphs																													
		2	Stretches, Stacks, and Structure	Structure of Linear Equations																													
		3	Deep Flight I	Building Inequalities and Equations to Solve Problems																													
		4	Texas Tea and Temperature	Using Multiple Representations to Solve Problems																													
	Topic 4: Linear Relationships	1	U.S. Shirts	Using Tables, Graphs, and Equations																													
		2	At the Arcade	Linear Relationships in Tables																													
		3	Dining, Dancing, Driving	Linear Relationships in Context																													
		4	Derby Day	Slope-Intercept Form of a Line																													
	Topic 5: Introduction to Functions	1	Patterns, Sequences, Rules...	Analyzing Sequences as Rules																													
		2	Once Upon a Graph	Analyzing the Characteristics of Graphs of Relationships																													
		3	One or More Xs to One Y	Defining Functional Relationships																													
		4	Over the River and Through the Woods	Describing Functions																													
5		Comparing Apples to Oranges	Comparing Functions Using Different Representations																														



Module	Topic	L#	Lesson Title	Lesson Subtitle	7.2A	7.3A	7.3B	7.4A	7.4B	7.4C	7.4D	7.4E	7.5A	7.5B	7.5C	7.6A	7.6B	7.6C	7.6D	7.6E	7.6F	7.6G	7.6H	7.6I	7.7A	7.8A	7.8B	7.8C	7.9A	7.9B	7.9C	
Module 3: Modeling Linear Equations	Topic 1: Patterns in Bivariate Data	1	Pass the Squeeze	Analyzing Patterns in Scatter Plots																												
		2	Where Do You Buy Your Books?	Drawing Lines of Best Fit																												
		3	Mia Is Growing Like a Weed	Analyzing Lines of Best Fit																												
		4	The Stroop Test	Comparing Slopes and Intercepts of Data from Experiments																												
	Topic 2: Solving Linear Equations	1	Solving Strategically	Equations with Variables on Both Sides																												
		2	DVDs and MP3s	Analyzing and Solving Linear Equations																												
	Topic 3: Systems of Linear Equations	1	Crossing Paths	Point of Intersection of Linear Graphs																												
		2	The Road Less Traveled	Systems of Linear Equations																												
		3	Roller Rink Rockin'	Solving Linear Systems																												
Module 4: Applying Powers	Topic 1: Real Numbers	1	So Many Numbers, So Little Time	Sorting Numbers																												
		2	Rational Decisions	Rational and Irrational Numbers																												
		3	Establishing Roots	The Real Numbers																												
		4	The Big and Small of It	Scientific Notation																												
	Topic 2: The Pythagorean Theorem	1	The Right Triangle Connection	The Pythagorean Theorem																												
		2	Can That Be Right?	The Converse of the Pythagorean Theorem																												
		3	Pythagoras Meets Descartes	Distances in a Coordinate System																												
		4	Catty Corner	Side Lengths in Two and Three Dimensions																												
	Topic 3: Three-Dimensional Figures	1	Hey, Mister, Got Some Bird Seed?	Volume of Pyramids																												
		2	Sounds Like Surface Area	Surface Area of Pyramids																												
		3	More Than Four Sides of the Story	Volume and Surface Area of Prisms and Pyramids																												
	Topic 4: Volume of Curved Figures	1	Start the Drum Roll!	Volume, Lateral and Total Surface Area of a Cylinder																												
		2	Cone of Silence	Volume of a Cone																												
3		Pulled in All Directions	Volume of a Sphere																													
4		Pack It Up	Volume and Surface Area Problems with Prisms, Cylinders, Cones, and Spheres																													
Module 5: Analyzing Populations, Probabilities, and Potential	Topic 1: Introduction to Probability	1	Rolling, Rolling, Rolling...	Defining and Representing Probability																												
		2	Give the Models a Chance	Probability Models																												
		3	Toss the Cup	Determining Experimental Probability of Simple Events																												
		4	A Simulating Conversation	Simulating Simple Experiments																												
	Topic 2: Compound Probability	1	Evens or Odds?	Using Arrays to Organize Outcomes																												
		2	Who Doesn't Love Puppies?!	Using Tree Diagrams																												
		3	Pet Shop Probability	Determining Compound Probability																												
		4	On a Hot Streak	Simulating Probability of Compound Events																												
	Topic 3: Drawing Inferences	1	March MADness	Mean Absolute Deviation																												
		2	Let's Hear From You!	Collecting Random Samples																												
		3	Tiles, Gumballs, and Pumpkins	Using Random Samples to Draw Inferences																												
		4	Raising the Bar	Bar Graphs																												
		5	Dark or Spicy?	Comparing Two Populations																												
		6	That's So Random	Using Random Samples from Two Populations to Draw Conclusions																												
	Topic 4: Financial Literacy: Your Financial Future	1	Terms of Financial Endearment	Simple and Compound Interest																												
		2	On Good Terms	Terms of a Loan																												
		3	Tech Savvy and Responsible	Online Calculators																												
4		Why All the Fuss Over Post-Secondary Education?	Financing Your Education																													



Accelerated Grade 7 TEKS Summary by Module and Topic	7.2A	7.3A	7.3B	7.4A	7.4B	7.4C	7.4D	7.4E	7.5A	7.5B	7.5C	7.6A	7.6B	7.6C	7.6D	7.6E	7.6F	7.6G	7.6H	7.6I	7.7A	7.8A	7.8B	7.8C	7.9A	7.9B	7.9C	7.9D	7.10A	7.10B	7.10C	7.11A	7.11B	7.11C	7.12A	7.12B	7.12C	7.13A	7.13B										
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6 means this standard is covered in Accelerated Grade 6 Course

