

Accelerated Grade 7

English Language Proficiency Standards (ELPS) Overview

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

Module	Topic	L#	Lesson Title	Lesson Subtitle	1.A	1.B	1.C
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	Running, Rising, 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 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	Topic	L#	Lesson Title	Lesson Subtitle	1.A	1.B	1.C
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	•		
Topic 4: Financial Literacy: Your Financial Future		6	That's So Random	Using Random Samples from Two Populations to Draw Conclusions	•		
		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 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
Module 1 ELPS Summary	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M1 Topic 1 ELPS Summary	•		•	•	•		•				•	•			•	•	•
M1 Topic 2 ELPS Summary	•		•		•	•	•				•		•				•
M1 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
Module 2 ELPS Summary	•		•	•	•	•	•	•			•	•	•	•	•	•	•
M2 Topic 1 ELPS Summary	•		•	•	•			•			•	•	•		•	•	•
M2 Topic 2 ELPS Summary	•		•	•	•	•	•				•	•			•	•	•
M2 Topic 3 ELPS Summary	•			•	•	•	•				•	•			•	•	•
M2 Topic 4 ELPS Summary	•		•	•	•	•					•	•			•	•	•
M2 Topic 5 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
Module 3 ELPS Summary	•		•	•	•		•				•	•			•	•	•
M3 Topic 1 ELPS Summary	•			•	•						•	•			•	•	•
M3 Topic 2 ELPS Summary	•			•	•		•				•	•			•	•	•
M3 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
Module 4 ELPS Summary	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•
M4 Topic 1 ELPS Summary	•			•	•		•		•	•	•	•		•	•	•	•
M4 Topic 2 ELPS Summary	•		•	•	•		•				•	•			•	•	•
M4 Topic 3 ELPS Summary	•	•		•	•		•	•			•	•	•	•	•	•	•
M4 Topic 4 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
Module 5 ELPS Summary	•	•	•	•	•		•				•	•			•	•	•
M5 Topic 1 ELPS Summary	•			•	•		•				•	•			•	•	•
M5 Topic 2 ELPS Summary	•		•	•	•		•				•	•			•	•	•
M5 Topic 3 ELPS Summary	•		•	•	•		•				•	•			•	•	•
M5 Topic 4 ELPS Summary	•	•	•	•	•		•				•	•			•	•	•

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Module 1 ELPS Summary	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
Module 2 ELPS Summary	•		•	•	•	•	•	•			•	•	•	•	•	•	•
Module 3 ELPS Summary	•		•	•	•		•				•	•			•	•	•
Module 4 ELPS Summary	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•
Module 5 ELPS Summary	•	•	•	•	•		•				•	•			•	•	•

Accelerated Grade 7 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
Grade 7 ELPS Course Summary	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

