

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
Module 1: Transforming Geometric Objects				
Topic 1: Rigid Motion Transformations				
1	Patty Paper, Patty Paper	Introduction to Congruent Figures	8.10A	1
2	Slides, Flips, and Spins	Introduction to Rigid Motions	8.10A 8.10B	3
MATHia				1
3	Lateral Moves	Translations of Figures on the Coordinate Plane	8.10A 8.10C	2
MATHia				1
Mid Topic Assessment				1
4	Mirror, Mirror	Reflections of Figures on the Coordinate Plane	8.10A 8.10C	2
MATHia				1
5	Half Turns and Quarter Turns	Rotations of Figures on the Coordinate Plane	8.10A 8.10C	2
6	Every Which Way	Combining Rigid Motions	8.10A 8.10C	2
MATHia				1
End of Topic Assessment				1
Topic 2: Similarity				
1	Pinch-Zoom Geometry	Dilations of Figures	8.3A 8.10A	2
MATHia				1
2	Rising, Running, Stepping, Scaling	Dilating Figures on the Coordinate Plane	8.3B 8.3C 8.10B	3
MATHia				1
3	From Here to There	Mapping Similar Figures Using Transformations	8.3C 8.10A 8.10B 8.10C	2
MATHia				1
End of Topic Assessment				1



Texas Grade 8: Course Pacing Guide

*1 Day Pacing = 45 min. Session

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
Topic 3: Line and Angle Relationships				
1	Pulling a One-Eighty!	Triangle Sum and Exterior Angle Theorems	8.8D	1
2	Crisscross Applesauce	Angle Relationships Formed by Lines Intersected by a Transversal	8.8D	2
MATHia				1
3	The Vanishing Point	The Angle-Angle Similarity Theorem	8.8D	1
End of Topic Assessment				1

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
Module 2: Developing Function Foundations				
Topic 1: From Proportions to Linear Relationships				
1	Post-Secondary Proportions	Representations of Proportional Relationships	8.4B 8.4C 8.5A 8.5E 8.5H	2
MATHia				1
2	Jack and Jill Went Up the Hill	Using Similar Triangles to Describe Steepness of a Line	8.4A 8.4B 8.4C 8.5F 8.5H	3
MATHia				1
Mid Topic Assessment				1
3	Slippery Slopes	Exploring Slopes Using Similar Triangles	8.4A	2
MATHia				1
4	Up, Down, and All Around	Transformations of Lines	8.10C 8.10D	2
MATHia				1
End of Topic Assessment				1
Topic 2: Linear Relationships				
1	U.S. Shirts	Using Tables, Graphs, and Equations	8.5B 8.5I	2
MATHia				1
2	At the Arcade	Linear Relationships in Tables	8.4A 8.4C 8.5F	2
MATHia				1
Mid Topic Assessment				1
3	Dining, Dancing, Driving	Linear Relationships in Context	8.4C	1
4	Derby Day	Slope-Intercept Form of a Line	8.4C 8.5I	2



Texas Grade 8: Course Pacing Guide

*1 Day Pacing = 45 min. Session

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
MATHia				1
End of Topic Assessment				1

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
Topic 3: Introduction to Functions				
1	Patterns, Sequences, Rules...	Analyzing Sequences as Rules	8.5G	1
2	Once Upon a Graph	Analyzing the Characteristics of Graphs of Relationships	8.5G	2
MATHia				1
3	One or More Xs to One Y	Defining Functional Relationships	8.5G	3
MATHia				1
Mid Topic Assessment				1
4	Over the River and Through the Woods	Describing Functions	8.4C 8.5B 8.5F 8.5I	2
5	Comparing Apples to Oranges	Comparing Functions Using Different Representations	8.4C	1
MATHia				1
End of Topic Assessment				1

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
Module 3: Data Data Everywhere				
Topic 1: Patterns in Bivariate Data				
1	Pass the Squeeze	Analyzing Patterns in Scatter Plots	8.5C 8.11A	2
2	Where Do You Buy Your Books?	Drawing Lines of Best Fit	8.5C 8.5D	1
MATHia				1
Mid Topic Assessment				1
3	Mia Is Growing Like a Weed	Analyzing Lines of Best Fit	8.5D 8.5I	2
4	The Stroop Test	Comparing Slopes and Intercepts of Data from Experiments	8.5D 8.5I	1
MATHia				1
End of Topic Assessment				1
Topic 2: Variability and Sampling				
1	March MADness	Mean Absolute Deviation	8.11B	1
2	We Want to Hear From You!	Collecting Random Samples	8.11C	2
MATHia				1
3	Tiles, Gumballs, and Pumpkins	Using Random Samples to Draw Inferences	8.11C	2
MATHia				1
End of Topic Assessment				1

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
Module 4: Modeling Linear Equations				
Topic 1: Solving Linear Equations				
1	All My Xs	Combing Like Terms	8.8C	2
MATHia				1
2	Strategic Solving	Equations with Variables on Both Sides	8.8C	2
MATHia				1
Mid Topic Assessment				1
3	MP3s and DVDs	Analyzing and Solving Linear Equations	8.8A 8.8C	2
4	Tic-Tac-Bingo	Creating Linear Equations	8.8C	1
MATHia				1
End of Topic Assessment				1
Topic 2: Systems of Linear Equations				
1	Crossing Paths	Point of Intersection of Linear Graphs	8.9A	2
MATHia				1
2	The Road Less Traveled	Systems of Linear Equations	8.9A 8.8B	2
MATHia				1
3	Rockin' Roller Rinks	Choosing a Method to Solve a Linear System	8.8B 8.9A	2
MATHia				1
End of Topic Assessment				1

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
Module 5: Applying Powers				
Topic 1: Real Numbers				
1	So Many Numbers, So Little Time	Sorting Numbers	8.2A	1
2	Rational Decisions	Rational and Irrational Numbers	8.2A 8.2D	2
MATHia				1
Mid Topic Assessment				1
3	What Are Those!?	The Real Numbers	8.2A 8.2B 8.2D	2
MATHia				1
4	The Big and Small of It	Scientific Notation	8.2C	2
MATHia				1
End of Topic Assessment				1
Topic 2: The Pythagorean Theorem				
1	The Right Triangle Connection	The Pythagorean Theorem	8.6C	2
2	Can That Be Right?	The Converse of the Pythagorean Theorem	8.7C	1
MATHia				1
Mid Topic Assessment				1
3	Pythagoras Meets Descartes	Distances in a Coordinate System	8.7D	1
4	Catty Corner	Side Lengths in Two and Three Dimensions	8.7C 8.7D	2
MATHia				1
End of Topic Assessment				1

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
Topic 3: Financial Literacy: Your Financial Future				
1	Terms of Financial Endearment	Simple and Compound Interest	8.12C 8.12D	1
2	On Good Terms	Terms of a Loan	8.12A 8.12E 8.12F	1
MATHia				1
3	Tech Savvy and Responsible	Online Calculators	8.12A 8.12B 8.12F	1
4	Why All the Fuss Over Post-Secondary Education?	Financing Your Education	8.12G	2
MATHia				1
End of Topic Assessment				1
Topic 4: Volume of Curved Figures				
1	Can I Have a Drum Roll, Please?	Volume and Surface Area of a Cylinder	8.6A 8.7A 8.7B	2
MATHia				1
2	Cone of Silence	Volume of a Cone	8.6B 8.7A	2
MATHia				1
Mid Topic Assessment				1
3	Pulled in All Directions	Volume of a Sphere	8.7A	2
MATHia				1
4	Silos, Frozen Yogurt, and Popcorn	Volume Problems with Cylinders, Cones, and Spheres	8.7A	2
MATHia				1
End of Topic Assessment				1