

Grade 8 TEKS Companion Guide TEKS Resource System Alignment

First Semester	Second Semester
1 st Nine Weeks	3 rd Nine Weeks
<p><u>Unit 1: Value and Magnitude of Rational Numbers</u> 8.2A: Comparing Sets of Numbers 8.2C: Scientific Notation 8.2D: Comparing and Ordering Real Numbers</p> <p><u>Unit 2: Statistics with Univariate Data</u> 8.11B: Mean Absolute Deviation 8.11C: Generating Random Samples</p> <p><u>Unit 3: One-Variable Equations, Inequalities, and their Applications</u> 8.8A and 8.8B: Writing One-Variable Equations and Inequalities 8.8C: Solving One-Variable Equations 8.12A and 8.12B: Costs of Credit (8.12C and) 8.12D: Savings, Investment, and Interest</p> <p><u>Unit 4: Developing an Understanding of Slope and Y-Intercept</u> 8.4A: Slope as a Rate of Change 8.4C: Slopes and Y-Intercepts</p> <p><u>Unit 5: Proportional and Non-Proportional Functions</u> 8.4B: Slope as a Unit Rate 8.5A: Linear Proportional Relationships 8.5B: Linear Non-Proportional Relationships 8.5E: Direct Variation 8.5F and 8.5H: Proportional and Non-Proportional Relationships 8.5G: Identifying Functions 8.9A: Graphing Simultaneous Linear Equations 8.12C (and 8.12D): Savings, Investment, and Interest 8.12G: Estimating Costs of Education</p>	<p><u>Unit 8: Angle and Triangle Relationships involving Real Numbers</u> 8.2A: Comparing Sets of Numbers 8.2B: Irrational Numbers 8.2D: Comparing and Ordering Real Numbers 8.6C: Modeling the Pythagorean Theorem 8.7C: Applying the Pythagorean Theorem 8.7D: Distance on a Coordinate Plane 8.8D: Angle Relationships: Triangles 8.8D: Angle Relationships: Parallel Lines 8.8D: Angle Relationships: Similar Triangles</p> <p><u>Unit 9: Measurement of Three-Dimensional Figures</u> 8.6A and 8.6B: Modeling Volume: Cylinders and Cones 8.7A: Solving Problems with Volume 8.7B: Applying Surface Area</p> <p><u>Unit 10: Making Connections</u> (8.3B and) 8.3C: Coordinate Dilations 8.4B: Slope as a Unit Rate 8.4C: Slopes and Y-Intercepts 8.5D: Using Trend Lines 8.5G: Identifying Functions 8.5I: Writing Linear Equations 8.7C: Applying the Pythagorean Theorem 8.8C: Solving One-Variable Equations 8.10C: Coordinate Translations 8.10C: Coordinate Reflections 8.10C: Coordinate Rotations (8.12C and) 8.12D: Savings, Investment, and Interest</p>
2 nd Nine Weeks	4 th Nine Weeks
<p><u>Unit 5: Proportional and Non-Proportional Functions (continued)</u> 8.4B: Slope as a Unit Rate 8.5A: Linear Proportional Relationships 8.5B: Linear Non-Proportional Relationships 8.5E: Direct Variation 8.5F and 8.5H: Proportional and Non-Proportional Relationships</p>	<p><u>Unit 10: Making Connections (continued)</u> (8.3B and) 8.3C: Coordinate Dilations 8.4B: Slope as a Unit Rate 8.4C: Slopes and Y-Intercepts 8.5D: Using Trend Lines 8.5G: Identifying Functions</p>

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8.5G: Identifying Functions

8.9A: Graphing Simultaneous Linear Equations
8.12C (and 8.12D): Savings, Investment, and Interest
8.12G: Estimating Costs of Education

Unit 6: Statistics with Bivariate Data

8.4B: Slope as a Unit Rate

8.5A: Linear Proportional Relationships
8.5B: Linear Non-Proportional Relationships
8.5C: Linear and Non-Linear Data Sets

8.5D: Using Trend Lines

8.5I: Writing Linear Equations

8.11A: Association in Data

Unit 7: Transformational Geometry

8.3A: Properties of Similar Figures
8.3B and **8.3C: Coordinate Dilations**
8.10A and 8.10B: Comparing Transformations

8.10C: Coordinate Translations

8.10C: Coordinate Reflections

8.10C: Coordinate Rotations

8.10D: Measurements of Dilated Figures

8.5I: Writing Linear Equations

8.7C: Applying the Pythagorean Theorem

8.8C: Solving One-Variable Equations

8.10C: Coordinate Translations

8.10C: Coordinate Reflections

8.10C: Coordinate Rotations

(8.12C and) **8.12D: Savings, Investment, and Interest**

Unit 11: Financial Planning

8.12A and 8.12B: Costs of Credit

8.12C and **8.12D: Savings, Investment, and Interest**

8.12E and 8.12F: Financial Responsibility

8.12G: Estimating Costs of Education

Unit 12: Essential Understandings of Algebra

8.4B: Slope as a Unit Rate

8.5A: Linear Proportional Relationships

8.5B: Linear Non-Proportional Relationships

8.5C: Linear and Non-Linear Data Sets

8.5D: Using Trend Lines

8.5I: Writing Linear Equations

8.11A: Association in Data

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