

Grade 7 TEKS Companion Guide TEKS Resource System Alignment

First Semester	Second Semester
1 st Nine Weeks	3 rd Nine Weeks
<p><u>Unit 1: Number and Operations</u> 7.2A: Classifying Rational Numbers 7.3A: Operations with Rational Numbers 7.3B: Solving Problems with Rational Numbers 7.13A: Sales Tax and Income Tax 7.13C: Financial Net Worth</p> <p><u>Unit 2: One-Variable Equations and Inequalities</u> 7.10A and 7.10C: Two-Step Equations and Real World Problems 7.10B and 7.11A: Solving Two-Step Equations 7.10B and 7.11A: Solving Two-Step Inequalities 7.11B: Verifying Solutions to Two-Step Equations 7.11C: Angle Relationships (7.13B and) 7.13D: Personal and Family Budgets 7.13E: Simple and Compound Interest 7.13F: Monetary Incentives</p> <p><u>Unit 3: Proportional Reasoning with Ratios and Rates</u> 7.4A: Constant Rate of Change 7.4B: Unit Rates 7.4C: Constant of Proportionality 7.4D: Solving Problems with Rate and Ratios 7.4D: Solving Problems with Percents 7.4E: Measurement Conversions 7.13B (and 7.13D): Personal and Family Budgets</p>	<p><u>Unit 7: Circles and Composite Figures</u> 7.4E: Measurement Conversions 7.5B: The Ratio of π 7.8C and 7.9B: Circumference and Area of Circles 7.9C: Area of Composite Figures</p> <p><u>Unit 8: Volume and Surface Area</u> 7.8A and 7.9A: Volume of Rectangular Prisms and Pyramids 7.8B and 7.9A: Volume of Triangular Prisms and Pyramids 7.9D: Surface Area of Rectangular Prisms and Pyramids 7.9D: Surface Area of Triangular Prisms and Pyramids</p> <p><u>Unit 9: Data Representations</u> 7.6G: Solving Problems with Bar Graphs and Dot Plots 7.12A: Comparative Dot Plots 7.12A: Comparative Box Plots 7.12B: Random Samples and Populations 7.12C: Comparing Populations 7.13B (and 7.13D): Personal and Family Budgets</p>
2 nd Nine Weeks	4 th Nine Weeks
<p><u>Unit 4: Graphs and Two-Variable Equations</u> 7.4A: Constant Rate of Change 7.4C: Constant of Proportionality 7.7A: Representing Linear Relationships</p> <p><u>Unit 5: Similarity</u> 7.5A: Properties of Similar Figures 7.5C: Solving Problems with Similarity</p> <p><u>Unit 6: Probability</u></p>	<p><u>Unit 10: Making Connections</u> 7.3B: Solving Problems with Rational Numbers 7.4A: Constant Rate of Change 7.4B: Unit Rates 7.4C: Constant of Proportionality 7.4D: Solving Problems with Rate and Ratios 7.4D: Solving Problems with Percents 7.5C: Solving Problems with Similarity 7.7A: Representing Linear Relationships</p>

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<p>7.6A: Sample Spaces 7.6B: Simulations of Events 7.6C and 7.6I: Experimental Probability 7.6D and 7.6I: Theoretical Probability 7.6E: Complementary Events 7.6F: Random Samples and Populations 7.6H: Solving Problems with Simple Probability</p>	<p><u>Unit 11: Essential Understandings of Algebra</u> 7.7A: Representing Linear Relationships 7.10A and 7.10C: Two-Step Equations and Real World Problems 7.10B and 7.11A: Solving Two-Step Equations 7.10B and 7.11A: Solving Two-Step Inequalities 7.11B: Verifying Solutions to Two-Step Equations</p> <p><u>Unit 12: Essential Understanding of Geometry</u> (7.8A and) 7.9A: Volume of Rectangular Prisms and Pyramids (7.8B and) 7.9A: Volume of Triangular Prisms and Pyramids (7.8C and) 7.9B: Circumference and Area of Circles 7.9C: Area of Composite Figures 7.11C: Angle Relationships</p>
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