Grade 7 TEKS Companion Guide TEKS Resource System Alignment

First Semester	Second Semester
1st Six Weeks	**4th Six Weeks**
<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 <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	<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** <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
2nd Six Weeks	**5th Six Weeks**
<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 <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**	<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 <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**

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3rd Six Weeks	6th Six Weeks
Unit 5: Similarity 7.5A: Properties of Similar Figures **7.5C: Solving Problems with Similarity** **Unit 6: Probability** 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**	**Unit 11: Essential Understandings of Algebra** **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 **Unit 12: Essential Understanding of Geometry** (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