# *Grade 6 TEKS Companion Guide* TEKS Resource System Alignment

| First Semester | Second Semester |
|---|---|
| **1st Nine Weeks** | **3rd Nine Weeks** |
| **Unit 1: Equivalent Forms of Fractions, Decimals, and Percents** <br> 6.4E: Ratios and Percents <br> 6.4F: Representing Benchmark Fractions and Percents <br> **6.4G: Generating Equivalent Rational Numbers** <br> **6.5B: Solving Percent Problems** <br> 6.5C: Equivalent Parts of the Same Whole <br><br> **Unit 2: Ordering Fractions, Decimals, and Integers** <br> 6.2A: Classifying Rational Numbers <br> 6.2C: Using Number Lines with Rational Numbers <br> **6.2D: Ordering Rational Numbers** <br> **6.4G: Generating Equivalent Rational Numbers** <br><br> **Unit 3: Operations with Positive Fractions and Decimals** <br> 6.2E and 6.3A: Division and Fractions <br> 6.3B: Estimating Products with Fraction Multiplication <br> **6.3E: Multiplying Fractions** <br> **6.3E: Dividing Fractions** <br><br> **Unit 4: Operations with Integers** <br> 6.2B: Absolute Value of Numbers <br> 6.3C and **6.3D: Adding and Subtracting Integers** <br> 6.3C and **6.3D: Multiplying and Dividing Integers** | **Unit 8: Algebraic Representations of Two-Variable Relationships** <br> 6.4A: Additive and Multiplicative Relationships <br> 6.6A: Independent and Dependent Quantities <br> 6.6B: Writing Equations from Tables <br> **6.6C: Representing Additive and Multiplicative Relationships** <br> **6.11A: Graphing on the Coordinate Plane** <br><br> **Unit 9: Geometry and Measurement** <br> **6.4H: Customary Measurement Conversions with Unit Rates** <br> **6.4H: Metric Measurement Conversions with Unit Rates** <br> 6.8A: Triangle Relationships: Angle Sums <br> 6.8A: Triangle Relationships: Side Lengths and Angles <br> 6.8B: Modeling Area Formulas <br> 6.8C and **6.8D: Area of Rectangles and Parallelograms** <br> 6.8C and **6.8D: Area of Trapezoids and Triangles** <br> 6.8C and **6.8D: Volume of Rectangular Prisms** <br><br> **Unit 10: Data Analysis** <br> 6.12A: Constructing Dot Plots, Stem-and-Leaf Plots, and Histograms <br> 6.12A: Constructing Box Plots <br> 6.12B: Describing Data Distributions Graphically <br> **6.12C: Analyzing Numerical Data: Central Tendency** <br> **6.12C: Analyzing Numerical Data: Spread of Data** <br> **6.12D: Categorical Data: Percent Bar Graphs** <br> **6.13A: Interpreting Dot Plots and Stem-and-Leaf Plots** <br> **6.13A: Interpreting Histograms and Box Plots** |
| **2nd Nine Weeks** | **4th Nine Weeks** |
| **Unit 5: Proportional Reasoning with Ratios and Rates** <br> **6.4B: Solving Problems with Rates and Ratios** <br> 6.4C: Ratios as Multiplicative Comparisons <br> 6.4D: Rates and Division Comparisons <br> **6.4G: Generating Equivalent Rational Numbers** | **Unit 10: Data Analysis (continued)** <br> 6.12A: Constructing Dot Plots, Stem-and-Leaf Plots, and Histograms <br> 6.12A: Constructing Box Plots <br> 6.12B: Describing Data Distributions Graphically <br> **6.12C: Analyzing Numerical Data: Central Tendency** |

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**6.4H: Customary Measurement Conversions with Unit Rates**
**6.4H: Metric Measurement Conversions with Unit Rates**
6.5A: Representing Problems with Ratios and Rates
**6.5B: Solving Percent Problems**

**Unit 6: Equivalent Expressions and One-Variable Equations**
**6.7A: Using the Order of Operations**
6.7B and 6.7C: Expressions and Equations
**6.7D: Properties of Operations**
6.9A and 6.9C: Equations, Inequalities, and Real-World Problems
6.9B and **6.10A: Solving Equations Using Addition and Subtraction**
6.9B and **6.10A: Solving Equations Using Multiplication and Division**
6.9B and **6.10A: Solving One-Step Inequalities**
6.10B: Verifying Solutions to One-Step Equations and Inequalities

**Unit 7: One-Variable Inequalities**
6.9A and 6.9C: Equations, Inequalities, and Real-World Problems
6.9B and **6.10A: Solving Equations Using Addition and Subtraction**
6.9B and **6.10A: Solving Equations Using Multiplication and Division**
6.9B and **6.10A: Solving One-Step Inequalities**
6.10B: Verifying Solutions to One-Step Equations and Inequalities

**6.12C: Analyzing Numerical Data: Spread of Data**
**6.12D: Categorical Data: Percent Bar Graphs**
**6.13A: Interpreting Dot Plots and Stem-and-Leaf Plots**
**6.13A: Interpreting Histograms and Box Plots**

**Unit 11: Personal Financial Literacy**
6.14A and 6.14B: Checking Accounts, Debit Cards, and Credit Cards
6.14C: Balancing a Check Register
6.14D, 6.14E, and 6.14F: Credit Reports
6.14G and 6.14H: College and Post-Secondary Education

**Unit 12: Essential Understanding of Proportionality**
**6.4B: Solving Problems with Rates and Ratios**
**6.4G: Generating Equivalent Rational Numbers**
**6.4H: Customary Measurement Conversions with Unit Rates**
**6.4H: Metric Measurement Conversions with Unit Rates**
6.5A: Representing Problems with Ratios and Rates
**6.5B: Solving Percent Problems**

**Unit 13: Essential Understanding of Equations**
**6.6C: Representing Additive and Multiplicative Relationships**
6.8A: Triangle Relationships: Angle Sums
6.8A: Triangle Relationships: Side Lengths and Angles
6.8C and **6.8D: Area of Rectangles and Parallelograms**
6.8C and **6.8D: Area of Trapezoids and Triangles**
6.8C and **6.8D: Volume of Rectangular Prisms**
(6.9B and) **6.10A: Solving Equations Using Addition and Subtraction**
(6.9B and) **6.10A: Solving Equations Using Multiplication and Division**
(6.9B and) **6.10A: Solving One-Step Inequalities**