

# 6<sup>th</sup> GRADE TEKS

## YEAR-LONG PLANNING GUIDE

### OVERVIEW

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This year-long planning guide was created to help you consider the scope and sequence of your year and the amount of time you plan to allot to each 6<sup>th</sup> grade unit. This planning guide contains each unit with its description, the standards covered in the unit and a suggested number of days to spend on instruction and assessment of the unit concepts.

Please note that the suggested number of days is intentionally provided as a range. The number of days needed will vary depending on factors such as your district's calendar, class period length, the learning needs of your students and the number of supplemental unit activities you choose to include. The given number of days does factor in a day for review, a unit test and any unit quizzes.

It may be most helpful to view this **Year-Long Planning Guide** alongside each **Unit Planning Guide** to help you map out the days you allot for each unit. Please view these guides as a helpful starting point to adjust as needed.

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UNIT	STANDARDS	SUGGESTED DAYS*	DAYS ALLOTTED
<b>Numerical Representations</b>  In this unit, students will identify a number, its opposite, and its absolute value. Students will also classify rational numbers, order rational numbers and extend representations for division to include fraction notation.	6.2A, 6.2B, 6.2C, 6.2D, 6.2E	9-13 days	
<b>Positive Rational Numbers</b>  In this unit, students will multiply and divide rational numbers fluently, recognize the impact of reciprocals, and determine how a quantity is affected when multiplied by a fraction.	6.2E, 6.3A, 6.3B, 6.3E	15-23 days	
<b>Integer Operations</b>  In this unit, students will represent integer operations with models and connect the models to the algorithm. Students will add, subtract, multiply, and divide integers fluently.	6.3C, 6.3D	9-12 days	
<b>Ratios and Rates</b>  In this unit, students will represent multiplicative quantities with ratios and represent rates as a division of two quantities. Students will represent ratios and rates with tables, graphs, and proportions. Students will solve real-world problems involving ratios and rates, and convert units within a measurement system.	6.4B, 6.4C, 6.4D, 6.4H, 6.5A, 6.6C	10-17 days	

\*Suggested days include a day for review and assessment(s) in each unit, including a unit test and quiz. Suggested days also factor in optional built-in days for supplemental practice and activities. Days can be adjusted as needed according to your specific pacing requirements.

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<p><b>Percents</b></p> <p>In this unit, students will generate equivalent forms of fractions, decimals, and percents. Students will represent ratios and rates with concrete models, fractions, and decimals. Students will be able to apply these concepts by solving real-world percent problems.</p>	<p>6.4E, 6.4F, 6.4G, 6.5B, 6.5C</p>	<p>12-15 days</p>	
<p><b>Expressions</b></p> <p>In this unit, students will distinguish between expressions and equations and determine if two expressions are equivalent. Students will generate equivalent expressions using properties of operations, order of operations, and prime factorization.</p>	<p>6.6C, 6.7A, 6.7B, 6.7C, 6.7D, 6.9A, 6.9B, 6.9C</p>	<p>12-15 days</p>	
<p><b>Equations and Inequalities</b></p> <p>In this unit, students will write and solve one-step equations and inequalities. Students will represent solutions on the number line and determine if a value is part of the solution set.</p>	<p>6.9A, 6.9B, 6.9C, 6.10A, 6.10B</p>	<p>14-15 days</p>	
<p><b>Algebraic Representations</b></p> <p>In this unit, students will differentiate between additive and multiplicative relationships, identify independent and dependent quantities, and write equations from tables. Students will represent relationships in the form <math>y = kx</math> and <math>y = x + b</math> in multiple ways. Informally, students will practice graphing in quadrant one.</p>	<p>6.4A, 6.5A, 6.6A, 6.6B, 6.6C, 6.11A</p>	<p>8-13 days</p>	

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<b>Geometry</b>  In this unit, students will solve problems involving the area of rectangles, parallelograms, trapezoids, and triangles. Students will determine when three lengths form a triangle, determine the missing angle in a triangle, and describe the relationship between the lengths of sides and angle measures in a triangle.	6.8A, 6.8B, 6.8C, 6.8D, 6.10A, 6.11A	11-15 days	
<b>Data and Statistics</b>  In this unit, students will represent and interpret numeric data in dot plots, stem-and-leaf plots, histograms, and box plots. Students will summarize numeric data with measures of center and spread and summarize categorical data with graphical summaries. Circle graphs, percent bar graphs, and relative frequency tables are included in this unit.	6.12A, 6.12B, 6.12C, 6.12D, 6.13A, 6.13B	10-17 days	
<b>Financial Literacy</b>  In this unit, students will compare the costs and features of checking accounts and distinguish between debit and credit cards. Students will describe the information on a credit report, the value of a credit report, and the benefits of a positive credit history. Additionally, students will overview the various methods of payment for college, compare annual salaries of various occupations, and balance a check register.	6.14A, 6.14B, 6.14C, 6.14D, 6.14E, 6.14F, 6.14G, 6.14H	9-12 days	
<b>Test Prep and Review</b>  This unit serves as a complete review of the 6th grade standards divided into 10 topics with each including a warm-up, a cheat sheet, an activity and a quick check.	6.2A-E, 6.3A-E, 6.4A-H, 6.5A-C, 6.7A-D, 6.8A-D, 6.9A-C, 6.10A-B, 6.11A, 6.12A-D, 6.13A-B, 6.14A-C, 6.14E-H	10-15 days	

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