



# 6th Math

## 2024-25 Year at a Glance (YAG)



First Semester		Second Semester	
<b>1<sup>st</sup> Nine Weeks- 42 Days:</b> August 12 <sup>th</sup> – October 16 <sup>th</sup> September 2nd- School Holiday October 11th- Student Holiday/Staff Workday October 14th- School Holiday		<b>3<sup>rd</sup> Nine Weeks – 45 days:</b> January 7 <sup>th</sup> – March 7 <sup>th</sup> January 6th- Student Holiday/Staff Workday January 15th- Early Release January 20th- School Holiday February 14th- Student Holiday/Staff Workday February 17th- Student Holiday/Staff Workday March 10th-14th- Spring Break	
<b>TEKS</b> 6.1A, 6.1B, 6.1C, 6.1D, 6.1E, 6.1F, 6.1G, 6.2E, 6.3A, 6.3B, <b>6.3E</b>  6.1A, 6.1C, 6.1D, 6.1E, 6.1F, 6.1G, 6.2A, 6.2B, 6.2C, <b>6.2D</b> , 6.2E  6.1A, 6.1B, 6.1C, 6.1D, 6.1E, 6.1F, 6.1G, 6.3C, <b>6.3D</b>	<b>Unit 01: Positive Rational Numbers (18 Days)</b> Students will perform mathematical operations with positive rational numbers, specifically focusing on the relationships between multiplication and division of positive rational numbers.  <b>Unit 02: Numerical Representations (12 Days)</b> 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.  <b>Unit 03: Integer Operations (12 Days)</b> Students will represent integer operations with models and connect the models to the algorithm. Students will add, subtract, multiply, and divide integers fluently.  All units emphasized the understanding of integers and rational numbers, while also being able to convert numbers to equivalent forms and order them.	<b>TEKS</b> 6.1A, 6.1B, 6.1C, 6.1D, 6.1E, 6.1F, 6.1G, 6.9A, 6.9B, 6.6A, 6.6B, <b>6.6C</b> , 6.9C, <b>6.10A</b> , 6.10B  6.1A, 6.1B, 6.1C, 6.1D, 6.1E, 6.1F, 6.1G, 6.4A, 6.5A, 6.6A, 6.6B, <b>6.6C</b> , <b>6.11A</b>  6.1A, 6.1B, 6.1C, 6.1D, 6.1E, 6.1F, 6.1G, 6.8A, 6.8B, 6.8C, <b>6.8D</b> , <b>6.10A</b> , <b>6.11A</b>	<b>Unit 07: Equations &amp; Inequalities (15 Days)</b> 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.  <b>Unit 08: Algebraic Representations (15 Days)</b> 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 $y = kx$ and $y = x + b$ in multiple ways. Informally, students will practice graphing in quadrant one.  <b>Unit 09: Geometry (15 Days)</b> 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. Students will graph points in all four quadrants using ordered pairs of rational numbers.  All units focused on converting units of measure while analyzing and creating equations.
<b>2<sup>nd</sup> Nine Weeks – 41 days:</b> October 17 <sup>th</sup> – December 20 <sup>th</sup> November 13th- Early Release November 25th-29th- Thanksgiving Break December 20th - Early Release December 23rd-January 3 Winter Break		<b>4<sup>th</sup> Nine Weeks – 46 days:</b> March 18 <sup>th</sup> – May 22 <sup>nd</sup> March 17th- Student Holiday/Staff Workday April 9th- Early Release April 18th- School Holiday May 2nd- School Holiday May 22nd- Early Release / Last Day of School	
<b>TEKS</b> 6.1A, 6.1B, 6.1C, 6.1D, 6.1E, 6.1F, 6.1G, <b>6.4B</b> , 6.4C, 6.4D, <b>6.4H</b> , 6.5A, <b>6.6C</b>  6.1A, 6.1B, 6.1C, 6.1D, 6.1E, 6.1F, 6.1G, 6.4E, 6.4F, <b>6.4G</b> , <b>6.5B</b> , 6.5C  6.1A, 6.1B, 6.1C, 6.1D, 6.1E, 6.1F, 6.1G, <b>6.6C</b> , <b>6.7A</b> , 6.7B, 6.7C, <b>6.7D</b> , 6.9A, 6.9B, 6.9C	<b>Unit 04: Proportional Reasoning with Ratios and Rates (15 Days)</b> 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.  <b>Unit 05: Percents (13 Days)</b> 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.  <b>Unit 06: Expressions (13 Days)</b> 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.  All units emphasized the understanding of ratios, rates and proportions, while also being able to generate equivalent expressions.	<b>TEKS</b> 6.1A, 6.1B, 6.1C, 6.1D, 6.1E, 6.1F, 6.1G, 6.12A, 6.12B, <b>6.12C</b> , <b>6.12D</b> , <b>6.13A</b> , 6.13B  6.1A, 6.1B, 6.1C, 6.1D, 6.1E, 6.1F, 6.1G, 6.14A, 6.14B, 6.14C, 6.14D, 6.14E, 6.14F, 6.14G, 6.14H	<b>Unit 10: Data and Statistics (15 Days)</b> 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.  <b>Unit 11: Personal Financial Literacy (10 Days)</b> 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.  All units focused on analyzing and creating data distributions, categorical data, and data variability, while examining financial literacy and different ways to pay for college.