



6th Math ADV/GT
2023-24 Year at a Glance (YAG)



First Semester		Second Semester	
1st Nine Weeks – 41 days (August 15 th – October 12 th) (September 5 th – No School) (October 10 th – No School)		3rd Nine Weeks – 47 days (January 3 rd – March 10 th) (January 18 th – No School) (February 20 th – PD Day) (March 13 th – 17 th – Spring Break) (March 20 th – Teacher Workday)	
TEKS 6.1A, 6.1B, 6.1C, 6.1D, 6.1E, 6.1F, 6.1G, 6.4E, 6.4F, 6.4G* , 6.5B , 6.5C 6.1A, 6.1C, 6.1D, 6.1E, 6.1F, 6.1G, 6.2A, 6.2C, 6.2D* , 6.4G , 7.2A 6.1A, 6.1B, 6.1C, 6.1D, 6.1E, 6.1F, 6.1G, 6.2E, 6.3A, 6.3B, 6.3E* , 7.3A , 7.3B 6.1A, 6.1B, 6.1C, 6.1D, 6.1E, 6.1F, 6.1G, 6.2B, 6.3C, 6.3D* , 7.3A , 7.3B	Unit 01: Equivalent Forms of Fractions, Decimals, and Percents (10 days) Students will represent and generate equivalent forms of fractions, decimals, and percents as well as solve real-world problems involving fractions, decimals, and percents. Unit 02: Ordering Fractions, Decimals, and Integers (5 Days) Students will examine sets and subsets of numbers, generate equivalent forms of rational numbers, and compare and order rational numbers and integers. Unit 03: Operations with Positive Fractions and Decimals (10 days) Students will perform mathematical operations with positive rational numbers, specifically focusing on the relationships between multiplication and division of positive rational numbers. Unit 04: Operations with Integers (10 Days) Students will identify a number, its opposite, and its absolute value and represent and model integer operations fluently, including standardized algorithms. All units emphasize the understanding of integers and rational numbers, while also being able to convert numbers to equivalent forms and order them.	TEKS 6.1A, 6.1B, 6.1C, 6.1D, 6.1E, 6.1F, 6.1G, 6.4A, 6.6A , 6.6B , 6.6C* , 6.11A 6.1A, 6.1B, 6.1C, 6.1D, 6.1E, 6.1F, 6.1G, 6.4H , 6.8A, 6.8B, 6.8C, 6.8D* , 7.5A, 7.5B , 7.5C, 7.8C, 7.9A , 7.9B, 7.11C 6.1A, 6.1B, 6.1C, 6.1D, 6.1E, 6.1F, 6.1G, 6.12A, 6.12B, 6.12C* , 6.12D , 6.13A , 6.13B, 7.6G, 7.12A , 7.12B, 7.12C	Unit 08: Algebraic Representations of Two-Variable Relationships (12 Days) Students will examine two-variable algebraic relationships, including additive and multiplicative relationships, in the form of verbal descriptions, tables, graphs and equations in the form $y = kx$ or $y = x + b$. Unit 09: Geometry and Measurement (13 Days) Students will convert units of measure as well as model, write, and solve equations with problems involving the area of triangles, rectangles, parallelograms, and trapezoids, and the volume of rectangular prisms. Unit 10: Data Analysis (20 Days) Students will analyze data, including representing, interpreting, and describing data distributions, summarizing numeric and categorical data, and distinguishing between situations that yield data with and without variability. All units focused on converting units of measure while analyzing and creating equations, data distributions, categorical data, and data variability.
2nd Nine Weeks – 42 days (October 13 th – December 16 th) (November 21 st – 25 th – Thanksgiving Break) (December 19 th – January 1 st – Holiday Break) (January 2 nd – Teacher Workday)		4th Nine Weeks – 45 days (March 21 st – May 24 th) (April 7 th – No School) (April 28 th – No School)	
TEKS 6.1A, 6.1B, 6.1C, 6.1D, 6.1E, 6.1F, 6.1G, 6.4B , 6.4C, 6.4D, 6.4E, 6.4G , 6.4H* , 6.5A, 6.5B , 7.4A , 7.4B 6.1A, 6.1B, 6.1C, 6.1D, 6.1E, 6.1F, 6.1G, 6.7A , 6.7B, 6.7C, 6.7D , 6.9A, 6.9B, 6.9C, 6.10A* , 6.10B, 7.10A, 7.10B, 7.10C, 7.11A, 7.11B	Unit 05: Proportional Reasoning with Ratios and Rates (15 Days) Students will represent and solve problems with ratios and rates, including those involving percentages and converting units within a measurement system using proportions and unit rates. Unit 06: Equivalent Expressions and One-Variable Equations (13 Days) Students will generate equivalent numerical expressions as well as model, write, solve, and represent solutions for one-variable, one-step equations.	TEKS 6.1A, 6.1B, 6.1C, 6.1D, 6.1E, 6.1F, 6.1G, 6.12A, 6.12B, 6.12C* , 6.12D , 6.13A , 6.13, 7.6G, 7.12A , 7.12B, 7.12C 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* 7.6A, 7.6B, 7.6C, 7.6D, 7.6E, 7.6F, 7.6H , 7.6I*	Unit 10: Data Analysis (Con't 20 Days) Students will analyze data, including representing, interpreting, and describing data distributions, summarizing numeric and categorical data, and distinguishing between situations that yield data with and without variability. Unit 11: Personal Financial Literacy (9 Days) Students will examine financial literacy, including checking accounts, credit cards, and debit cards, credit reports and credit history, methods to pay for college, and salaries for various occupations. Unit 12: Probability (13 Days) Students will be able to apply mathematical process standards to use probability and statistics



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6.1A, 6.1B, 6.1C, 6.1D, 6.1E, 6.1F, 6.1G, 6.9A, 6.9B, 6.9C, 6.10A , 6.10B, 7.10A, 7.10B, 7.10C, 7.11A, 7.11B	Unit 07: One-Variable Inequalities (12 Days) Students will model, write, solve, and represent solutions for one-variable, one-step inequalities. All units emphasized the understanding of ratios, rates and proportions, while also being able to analyze word problems to write, create and solve one-step equations and inequalities.		to describe or solve problems involving proportional relationships. 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.
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