

## Math Grade 6 MS - Scope and Sequence 2025-2026

## **TEKS Distribution among units**

### **Process Standards**

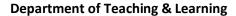
	6.1A	6.1B	6.1C	6.1D	6.1E	6.1F	6.1G
Unit 1	Χ	Χ	Х	Х	Х	Х	Х
Unit 2	Χ	Χ	Х	Х	Х	Х	Х
Unit 3	Χ	Χ	Х	Х	Х	Х	Х
Unit 4	Χ	Χ	Х	Х	Х	Х	Х
Unit 5	Χ	Χ	Х	Х	Х	Х	Х
Unit 6	Χ	Χ	Х	Х	Х	Х	Х
Unit 7	Χ	Χ	Х	Х	Х	Х	Х
Unit 8	Χ	Χ	Х	Х	Χ	Х	Х
Unit 9	Χ	Χ	Х	Х	Χ	Х	Х

#### **Content Standards**

	6.2A	6.2B	6.2C	6.2D	6.2E	6.3A	6.3B	6.3C	6.3D	6.3E
Unit 1		Х	Х	Х	Х			Х	Х	
Unit 2	Х	х	х	х	Х	х	Х			х
Unit 3										
Unit 4	Х		х	х	Х					
Unit 5										
Unit 6										
Unit 7										
Unit 8										
Unit 9										

### **Content Standards**

	6.4A	6.4B	6.4C	6.4D	6.4E	6.4F	6.4G	6.4H	6.5A	6.5B	6.5C	6.6A	6.6B	6.60	6.7A	6.7B	6.7C	6.7D	6.8A	6.8B	6.8C	6.8D	6.9A	6.9B	6.9C	6.10A	6.10B	6.11A	6.12A	6.12B	6.12C	6.12D	6.13A	6.13B	6.14A	6.14B	6.14C	6.14D	6.14E		<u></u>	6 14H
Unit 1															х																											
Unit 2																																										
Unit 3		Х	х	х	х			х	х																																	
Unit 4					Х	х	х			Х	х																															
Unit 5	х											х	х	Х														х														
Unit 6																х	х	х					Х	х	Х	х	х															
Unit 7																			х	х	х	х																				
Unit 8																													х	х	х	х	х	х								
Unit 9																																			х	х	Х	х	х	Х	Х	х





The standards below are color coded to the MAP categories listed below. In addition, the number in parentheses represents the frequency the standard has been tested on STAAR/EOC since 2017.

Numerical Representations and Probability
Computations and Algebraic Relationships
Geometry and Measurment
Data Analysis



# Math Grade 6 Scope and Sequence 2025-2026

Mathematical Process Standards: The student uses mathematical processes to acquire and demonstrate mathematical understanding. The student is expected to:

- 6.1A Apply mathematics to problems arising in everyday life, society, and the workplace
- 6.1B Use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution
- 6.1C Select tools, including real objects, manipulatives, paper and pencil, and technology as appropriate, and techniques, including mental math, estimation, and number sense as appropriate, to solve problems
- 6.1D Communicate mathematical ideas, reasoning, and their implications using multiple representations, including symbols, diagrams, graphs, and language as appropriate
- 6.1E Create and use representations to organize, record, and communicate mathematical ideas
- 6.1F Analyze mathematical relationships to connect and communicate mathematical ideas
- 6.1G Display, explain, and justify mathematical ideas and arguments using precise mathematical language in written or oral communication

## **Grading Period 1**

### **Unit 1: Integer Operations**

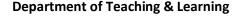
Estimated Date Range: Aug. 12 - Sept. 10 (21 total school days)
Instructional & Re-engagement Days in Unit: 17 days

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STATE/NATIONAL ASSESSME	NTS	DISTRICT ASSESSMENTS  NWEA MAP BOY (3 days)  Testing Window Sept. 9 – Sept. 11	COMMON FORMATIVE ASSESSMENTS (CFAs)  Unit 1, 6.3D (1 day)  Testing Window Sept. 2 – Sept. 16					
Concepts within the Unit		TEKS						
Establishing a Positive Mathematics	Process Sta	ndards:						
Community	6.1A Apply	mathematics to problems arising in everyday life, soc	iety, and the workplace					
Suggested Days: 2	6.1B Use a	problem-solving model that incorporates analyzing gi	ven information, formulating a plan or strategy,					
	determinin	determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of						
	the solution	1						
	6.1C Select	tools, including real objects, manipulatives, paper and	d pencil, and technology as appropriate, and					
	techniques	, including mental math, estimation, and number sens	se as appropriate, to solve problems					
	6.1D Comm	6.1D Communicate mathematical ideas, reasoning, and their implications using multiple representations, including						
		abols, diagrams, graphs, and language as appropriate						
	•	E Create and use representations to organize, record, and communicate mathematical ideas						



		Assessment	
		Unit 2: Rational Number Operations  Estimated Date Range: Sept. 11 – Sept. 30 (12 total school days)  Instructional & Re-engagement Days in Unit: 11 days	
	algorithms		
	Important S 6.3C (3) rep	tandards resent integer operations with concrete models and c	connect the actions with the models to standard
(Sept. 2 – Sept. 16)	•		
CFA 6.3D		enerate equivalent numerical expressions using orde factorization	r of operations, <del>including whole number exponents</del>
	with intege	•	
Concept #4: All Operations of Integers Suggested Days: 3	Priority Sta 6.3D (10) A	<u>ndards</u> d <b>d, subtract, multiply, and divide integers fluently</b> (n	ote: this standard does include order of operations
	number as	a÷b where b≠0	
	algorithms 6.2E (2) ext	end previous representations for division to include fr	action notation such as $a/b$ represents the same
		resent integer operations with concrete models and c	connect the actions with the models to standard
	Important S	tandards:	
Integers Suggested Days: 3	6.3D (10) A	dd, subtract, multiply, and divide integers fluently	
Concept #3 Multiply and Divide	Priority Sta		
	algorithms	resent integer operations with concrete models and c	connect the actions with the models to standard
	Important S		
Suggested Days: 5	6.3D (10) A	dd, subtract, <del>multiply, and divide</del> integers fluently	
Concept #2: Add and Subtract Integers	Priority Sta		
Value Suggested Days: 2		ntify a number, its opposite, and its absolute value ( <i>in</i> ate, compare, and order integers <del>and rational number</del>	
Concept #1: Integers and Absolute	Important S		to a second A
	or oral com	munication	
		e mathematical relationships to connect and commun y, explain, and justify mathematical ideas and argume	





N/A N/A Unit 2, 6.3E, (1 day) Testing Window Sept. 22 - Oct. 8 **Concepts within the Unit TEKS** Concept #1: Multiplying Rational **Priority Standards** Numbers 6.3E (10) multiply and divide positive rational numbers fluently Suggested Days: 5 **Important Standards** 6.3B (3) determine, with and without computation, whether a quantity is increased or decreased when multiplied by a fraction, including values greater than or less than one Concept #2: Dividing Rational **Priority Standards** 6.3E (10) multiply and divide positive rational numbers fluently Numbers Suggested Days: 5 **Important Standards** 6.3A (1) recognize that dividing by a rational number and multiplying by its reciprocal result in equivalent values **CFA 6.3E** 6.2E (2) extend representations for division to include fraction notation such as a/b represents the same number as a(Sept. 22 – Oct. 8)  $\div h$  where  $h \neq 0$ Unit 3: Ratios and Rates (Continues in Grading Period 2) Estimated Date Range: Oct. 1 – Oct. 24 (12 total school days) Instructional & Re-engagement Days in Unit: 11 days **Assessments** DISTRICT ASSESSMENTS STATE/NATIONAL ASSESSMENTS COMMON FORMATIVE ASSESSMENTS (CFAs) N/A N/A Unit 3, 6,4H & 6,4B (1 day) Testing Window Oct. 21 – Oct. 31 **Concepts within the Unit TEKS** Concept #1: Representing Ratios **Important Standards** Suggested Days: 2 6.4C (3) give examples of ratios as multiplicative comparisons of two quantities describing the same attribute 6.4E (1) represent ratios and percents with concrete models, fractions, and decimals Concept #2: Understanding Rates **Priority Standards** Suggested Days: 4 6.4H (7) convert units within a measurement system, including the use of proportions and unit rates. **Important Standards** 6.4D (1) give examples of rates as the comparison by division of two quantities having different attributes, including rates as quotients



Concept #3: Applying Rates and Ratios to Solve Problems Suggested Days: 4	Priority Standards  6.4B (12) apply qualitative and quantitative reasoning to solve prediction and comparison of real-world problems involving ratios and rates							
CFA 6.4H & 6.4B (Oct. 21 – Oct. 31)	Important Standards  6.5A (3) represent mathematical and real-world problems involving ratios and rates using scale factors, tables, graphs  (Quadrant 1 only), and proportions							
		Grading Period 2						
	Unit 3: Ratios and Rates (Continued)  Estimated Date Range: Oct. 1 – Oct. 24 (12 total school days)  Instructional & Re-engagement Days in Unit: 11 days  See grading period 1 for details							
		Unit 4: Percentages  Estimated Date Range: Oct. 27 – Nov. 21 (20 total school days) Instructional & Re-engagement Days in Unit: 19 days						
		Assessments						
STATE/NATIONAL ASSESSMEN	ITS	DISTRICT ASSESSMENTS N/A	COMMON FORMATIVE ASSESSMENTS (CFAs)  Unit 3, 6.2D & 6.5B (1 day)  Testing Window Nov. 17 – Dec. 5					
Concepts within the Unit		TEKS						
Concept #1: Equivalent Forms of Fractions, Decimals, and Percent Suggested Days: 6	Important (6.4E (1) Re 6.2E (2) ext	enerate equivalent forms of fractions, decimals, and hat involve money  Standards:  present ratios and percents with concrete models, fraction are previous representations for division to include for $a \div b$ where $b \ne 0$ .	ctions, and decimals raction notation such as <i>a/b</i> represents the same					
	6.4F (3) represent benchmark fractions and percents such as 1%, 10%, 25%, 33 1/3%, and multiples of these values using 10 by 10 grids, strip diagrams, number lines, and numbers.							

6.5C (1) Use equivalent fractions, decimals, and percents to show equal parts of the same whole



Concept #2: Ordering and Classifying Rational Numbers (Include Percentages) Suggested Days: 5	6.2D (11) of Important S 6.2A (3) class	Priority Standards 6.2D (11) order a set of rational numbers arising from mathematical and real-world contexts.  Important Standards: 6.2A (3) classify whole numbers, integers, and rational numbers using a visual representation such as a Venn diagram							
		describe relationships between sets of numbers 2B (4) identify a number, its opposite, and its absolute value							
		6.2C (2) locate, compare, and order integers and rational numbers using a number line							
Concept #3: Percent Application Suggested Days: 6  Priority Standards  6.5B (13) Solve real-world problems to find the whole given the part and the percent, to find the part given the whole and the percent, and to find the percent given the part and the whole, including the use of concrete and									
CFA 6.2D & 6.5B	pictorial me	odels.							
(Nov. 17 – Dec. 5)									
		Unit 5: Data and Statistics  Estimated Date Range: Dec. 1 – Dec.19 (15 total school days  Instructional & Re-engagement Days in Unit: 15 days	s)						
		Assessment							
STATE/NATIONAL ASSESSME	NTS	DISTRICT ASSESSMENTS N/A	COMMON FORMATIVE ASSESSMENTS (CFAs)  Unit 5, 6.12D & 6.12C (1 day)  Testing Window Dec. 15 – Jan. 23						
Concepts within the Unit		TEKS							
Concept #1: Analyzing and Interpreting Categorical Data Suggested Days: 4  Priority Standards 6.12D (9) Summarize categorical data with numerical and graphical summaries, including the mode, the percent of values in each category (relative frequency table), and the percent bar graph, and use these summaries to describe the data distribution.  Important Standards 6.13B (1) Distinguish between situations that yield data with and without variability.									
Concept #2: Representing, Analyzing and Interpreting Numerical Data Suggested Days: 12	d Interpreting Numerical Data  6.12C (8) Summarize numeric data with numerical summaries, including the mean and median (measures of								





CFA 6.12D & 6.12C	6.13A (11) Interpret numeric data summarized in dot plots, stem-and-leaf plots, histograms, and box plots.
Dec. 15 – Jan. 23)	Important Standards 6.12A (4) Represent numeric data graphically, including dot plots, stem-and-leaf plots, histograms, and box plots. 6.12B (3) Use the graphical representation of numeric data to describe the center, spread, and shape of the data distribution. 6.13B (1) Distinguish between situations that yield data with and without variability.



		Grading Period 3	
		Unit 6: Multiple Representations Estimated Date Range: Jan. 8 – Feb. 4 (19 total school day	c)
		Instructional & Re-engagement Days in Unit: 19 days	5)
		Assessment	
STATE/NATIONAL ASSESSME	NTS	DISTRICT ASSESSMENTS	COMMON FORMATIVE ASSESSMENTS (CFAs)
N/A		NWEA MAP MOY (3 days)	Unit 6, 6.11A & 6.6C (1 day)
		Testing Window Jan. 27 – Jan. 29	Testing Window Feb. 2 – Feb. 20
Concepts within the Unit		TEKS	
Concept #1: Graphing on the	<b>Priority Sta</b>	<u>andards</u>	
Coordinate Plane	6.11A (9) G	raph points in all four quadrants using ordered pa	irs of rational numbers.
Suggested Days: 3			
	Important S	<u>Standards</u>	
	6.6A (3) Ide	entify independent and dependent quantities from	tables and graphs
		, , , , , , , , , , , , , , , , , , , ,	•
Concept #2: Writing Equations and	Priority Sta	nndards	
Translating Between Views		epresent a given situation using verbal description	ns. table, graphs, and equations in the form $v=kx$
Suggested Days: 8	or y=x+b		
,			
CFA 6.11A & 6.6C	Important :	Standards	
	-		and symbolically in the form $y=ax$ or $y=x+a$ in order to
(Feb. 2 – Feb. 20)		te between additive and multiplicative relationship	
		·	ween independent and dependent quantities from a
	table		
	1 33.3.3	Unit 7: Equations and Inequalities	
		Estimated Date Range: Feb 5 – Mar. 13 (24 total school day	vs)
		Instructional & Re-engagement Days in Unit: 24 days	
		Assessments	
STATE/NATIONAL ASSESSME	NTS	DISTRICT ASSESSMENTS	COMMON FORMATIVE ASSESSMENTS (CFAs)
TELPAS Window (2 days)		N/A	Unit 7, 6.7D & 6.10A (1 day)
Testing Window Feb. 16 – Mar. 2	27		Testing Window Mar. 9 – Apr. 2
Concepts within the Unit		TEKS	
Concept #1: Generating Equivalent	Priority Sta	<u>andards</u>	
Expressions		Senerate equivalent expressions using the propert	ies of operations: inverse, identity, commutative,
Suggested Days: 4	associative	, and distributive properties	



	6.7A (10) generate equivalent numerical expressions using order of operations, including whole number exponents and prime factorization-
	Important Standards 6.7B distinguish between expressions and equations verbally, numerically, and algebraically 6.7C (1) Determine if two expressions are equivalent using concrete models, pictorial models, and algebraic representations
Concept #2: Representing and Solving Equations Suggested Days: 6	Priority Standards  6.10A (12) Model and solve one-variable, one-step equations and inequalities that represent problems, including geometric concepts
	Important Standards 6.7B (1) Distinguish between expressions and equations verbally, numerically, and algebraically; 6.9A (4) write one-variable, one-step equations and inequalities to represent constraints or conditions within problems 6.9B (3) represent solutions for one-variable, one-step equations and inequalities on number lines 6.10B (5) Determine if the given value(s) make(s) one-variable, one-step equations or inequalities true 6.9C (4) write corresponding real-world problems given one-variable, one-step equations or inequalities
Concept #3: Representing and Solving Equations and Inequalities Suggested Days: 6	Priority Standards  6.10A (12) Model and solve one-variable, one-step equations and inequalities that represent problems, including geometric concepts
CFA 6.7D & 6.10A (Mar. 9 – Apr. 2)	Important Standards  6.9A (4) write one-variable, one-step equations and inequalities to represent constraints or conditions within problems  6.9B (3) represent solutions for one-variable, one-step equations and inequalities on number lines  6.10B (5) Determine if the given value(s) make(s) one-variable, one-step equations or inequalities true  6.9C (4) write corresponding real-world problems given one-variable, one-step equations or inequalities
	Grading Period 4

## **Unit 8: Geometric Application of Equations**

Estimated Date Range: Mar. 23 – Apr. 24 (24 total school days) Instructional & Re-engagement Days in Unit: (24 days)



STATE/NATIONAL ASSESSME STAAR Testing Window (3 days) Testing Window Apr. 21 – Apr. 2		DISTRICT ASSESSMENTS N/A	COMMON FORMATIVE ASSESSMENTS (CFAs) N/A				
Concepts within the Unit		TEKS					
Concept #1: 2D Measurement	Priority Sta						
Suggested Days: 6	<mark>6.8D (13)</mark> d	etermine solutions for problems involving the area on the column of right rectangular prisms where dimensing the column of right rectangular prisms where dimensing the column of the co					
	Important Standards 6.8B (2) model area formulas for parallelograms, trapezoids, and triangles by decomposing and rearranging parts of these shapes. 6.8C (5) write equations that represent problems related to the area of rectangles, parallelograms, trapezoids, and triangles and volume of right rectangular prisms where dimensions are positive rational numbers.						
Concept #2: 3D Measurement Suggested Days: 3	triangles ar	etermine solutions for problems involving the area on the second of right rectangular prisms where dimensions.	ons are positive rational numbers.				
Concept #3: Properties of Triangles Suggested Days: 3	Important S	end previous knowledge of triangles and their proper between the lengths of sides and measures of angles	ties to include the sum of angles in a triangle, the				
		Unit 9: Financial Literacy Estimated Date Range: April 27 – May 28 (24 total school days) Instructional & Re-engagement Days in Unit: (24 days)					
STATE/NATIONAL ASSESSME N/A	NTS	DISTRICT ASSESSMENTS  NWEA MAP EOY (3 days)  Testing Window May 12 – May 14	COMMON FORMATIVE ASSESSMENTS (CFAs) N/A				
Concepts within the Unit		TEKS					
Concept #1: Credit Cards vs Debit Cards and Checking Accounts Suggested Days: 4	Important 9 6.14A (1) co institutions	ompare the features and costs of a checking account a	nd a debit card offered by different local financial				



## **Department of Teaching & Learning**

	6.14B (3) distinguish between debit cards and credit cards 6.14C (2) balance a check register that includes deposits, withdrawals, and transfers
Concept #2: Credit Reports Suggested Days: 3	Important Standards 6.14D explain why it is important to establish a positive credit history 6.14E (2) describe the information in a credit report and how long it is retained 6.14F (1) describe the value of credit reports to borrowers and to lenders
Concept #3: Paying for College and Jobs and Income Suggested Days: 4	Important Standards 6.14G (2) explain various methods to pay for college, including through savings, grants, scholarships, student loans, and work study 6.14H (3) compare the annual salary of several occupations requiring various levels of post-secondary education or vocational training and calculate the effects of the different annual salaries on lifetime income