

Mathematics – Grade 6

2018-2019 Pacing Calendar


Units of Instruction

BOY Placeholder - August 28 - 29, 2018

Date may be shifted based on school schedule.

Unit 1 –Financial Literacy with College and Career Readiness

Students develop an economic way of thinking and problem solving useful in one's life as a knowledgeable consumer and investor.

2018		August				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
29	30	31	01	02	03	04
05	06	07	08	09	10	11
12	13	14	15	16	17	18
Teacher Service Days (no students)						
19	20	21	22	23	24	25
Teacher Service Days (no students)					Teacher Prep Day (no students)	
26	27	28	29	30	31	01
				Unit 1 (5 45-minute class periods)		
02	03	Notes: Aug. 13-23 - Teacher Service Days (no students) Aug. 24 - Teacher Preparation Day (no students) Aug. 28-29 BOY Placeholder				



Secondary Curriculum and Development

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Units of Instruction

Unit 1 – Financial Literacy with College and Career Readiness

Students develop an economic way of thinking and problem solving useful in one's life as a knowledgeable consumer and investor. different salaries on lifetime income.

Unit 2 – Number Sense

Students classify whole numbers and rational numbers using a visual representation such as a Venn diagram to describe relationships between sets of numbers and order rational numbers without integers.

Unit 3 – Multiply and Divide Fractions and Decimals

Students use multiplication and division to solve real-life problems involving positive rational numbers.

2018		September					
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	
26	27	28	29	30	31	01	
02	03 Labor Day	04 • Extend • Review • Assess • Reteach	05 Unit 1 (5 45-minute class periods)			07	08
09	10 Teacher Service Day (no students)	11 Unit 2 (8 45-minute class periods)				14	15
16	17 Unit 2 (8 45-minute class periods)	18	19	20	21 Early Dismissal / Staff Development	22	
23	24 Unit 3 (9 45-minute class periods)	25	26	27	28	29	
30	01	Notes: Sept. 3 - Labor Day Sept. 10 - Teacher Service Day (no students) Sept. 21 - Early Dismissal / Staff Development					



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Unit 3 – Multiply and Divide Fractions and Decimals

Students use multiplication and division to solve real-life problems involving positive rational numbers.

Unit 4 – Percents

Students represent rational numbers in a variety of forms, show equivalency to show equal parts of the same whole, and use concrete models, fractions, and decimals to represent percents and benchmark fractions. Students are expected to use 10 by 10 grids, strip diagrams, number lines and numbers in their representations.

Unit 5 – Integers and Integer Operations

Students classify rational numbers using a visual representation such as a Venn diagram to describe relationships between sets of numbers, and locate and order rational numbers using coordinate grids, models, and operations with integers.

2018	October					
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
30	01 Unit 3 (9 45-minute class periods)	02	03	04	05 • Extend • Review • Assess • Reteach	06 END OF CYCLE 1
07	08 Unit 4 (4 45-minute class periods)	09	10	11	12 • Extend • Review • Assess • Reteach	13
14	15 Unit 5 (16 45-minute class periods)	16	17	18	19 Early Dismissal / Staff Development	20
21	22 Unit 5 (16 45-minute class periods)	23	24	25	26 • Extend • Review • Assess • Reteach	27
28	29 Unit 5 (16 45-minute class periods)	30	31	01	02	03
04	05	Notes: Oct. 19 - Early Dismissal / Staff Development				

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Unit 5 – Integers and Integer Operations

Students classify whole numbers, integers, and rational numbers using a visual representation such as a Venn diagram to describe relationships between sets of numbers and order rational numbers, including integers. Students model and solve real-world problems involving addition, subtraction, multiplication and division of integers. Students will generate equivalent expressions using order of operations.

Unit 6 – Order of Operations

Students simplify and generate equivalent algebraic expressions using the order of operations and properties such as the distributive property. Equivalent expressions will include the use of whole number exponents as well as prime factorization.

Unit 7– Modeling and Solving Equations

Students model and solve one-variable, one-step equations to represent situations, including geometric concepts, and determine if the value is true.

2018	November					
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
28	29	30	31	01 Unit 5 (16 45-minute class periods)	02 • Extend • Review • Assess • Reteach	03
04	05 Unit 5 (16 45-minute class periods)	06	07	08	09 Early Dismissal / Staff Development	10 END OF CYCLE 2
11	12 Unit 6 (4 45-minute class periods)	13	14	15	16 • Extend • Review • Assess • Reteach	17
18	19	20	21	22	23	24
	Thanksgiving					
25	26 Unit 7 (6 45-minute class periods)	27	28	29	30 • Extend • Review • Assess • Reteach	01
02	03	Notes: Nov. 9 - Early Dismissal / Staff Development Nov. 19-23 - Thanksgiving Break				

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Units of Instruction

Unit 7– Modeling and Solving Equations
Students model and solve one-variable, one-step equations to represent situations, including geometric concepts, and determine if the value is true.

Unit 8 – Ratios, Rates, and Percents
Students develop a sense of proportionality through an understanding of representing and solving ratios, rates, factors of change (scale factor), converting within measurement systems, and the concept of part-to-whole relationships to solve real-world problems.

2018	December					
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
25	26	27	28	29	30	01
02	03 Unit 7 (6 45-minute class periods)	04	05 • Extend • Review • Assess • Reteach	06 Unit 8 (8 45-minute class periods)	07	08
09	10 Unit 8 (8 45-minute class periods)	11	12 • Extend • Review • Assess • Reteach	13 Unit 8 (8 45-minute class periods)	14	15
16	17 Unit 8 (8 45-minute class periods)	18	19 • Extend • Review • Assess • Reteach	20	21 Teacher Prep Day (no students)	22 END OF CYCLE 3
23	24	25	26	27	28	29
Winter Break						
30	31 Winter Break	Notes: Dec. 21 - Teacher Preparation Day (no students) Dec. 24 - Jan 4 - Winter Break				

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Units of Instruction

MOY Placeholder - January 7 - 8, 2019

Date may be shifted based on school schedule.

Unit 9 – Graphing Rates

Students use proportional relationships from tables and equations to recognize rates and unit rates. Then, students use them to solve real-world problems through graphing on a coordinate plane.

Unit 10 – Linear Relationships

Students use multiple representations to describe algebraic relationships in the form of $y = kx$ or $y = x + b$ to represent linear non-proportional situations from tables, graphs, and equations.

Unit 11 – Algebraic Inequalities

Students model and solve one-variable, one-step inequalities to represent situations, including geometric concepts and determine if the value is true.

2019		January				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
30	31	01	02	03	04	05
		Winter Break				
06	07	08	09	10	11	12
			Unit 9 (6 45-minute class periods)			
13	14	15	16	17	18	19
	Unit 9 (6 45-minute class periods)			• Extend • Review • Assess • Reteach	Early Dismissal / Staff Development	
20	21	22	23	24	25	26
	Martin Luther King, Jr. Day	Unit 10 (6 45-minute class periods)				
27	28	29	30	31	01	02
	Unit 10 (6 45-minute class periods)		• Extend • Review • Assess • Reteach	Unit 11 (6 45-minute class periods)		
03	04	Notes: Dec. 24 - Jan 4 - Winter Break Jan. 7-8 - MOY Placeholder Jan. 18 - Early Dismissal / Staff Development Jan. 21 - Martin Luther King, Jr. Day				



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Unit 11 – Algebraic Inequalities

Students model and solve one-variable, one-step inequalities to represent situations, including geometric concepts and determine if the value is true.

Unit 12 – Introduction to Triangles

Students analyze the relationships between angle measures and side lengths of a triangle.

Unit 13 – Unit Conversions

Students convert units within the same measurement system using proportions and unit rates.

Unit 14 – Area

Students model, write, and solve area equations with positive rational numbers for two-dimensional figures.

2019		February					
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	
27	28	29	30	31	01 Unit 11 (6 45-minute class periods)	02	
03	04 Unit 11 (6 45-minute class periods)	05	06	07	08 • Extend • Review • Assess • Reteach	09	
10	11 Unit 12 (4 45-minute class periods)	12	13	14	15 Early Dismissal / Staff Development	16 END OF CYCLE 4	
17	18 Unit 13 (3 45-minute class periods)	19	20	21 • Extend • Review • Assess • Reteach	22 Unit 14 (9 45-minute class periods)	23	
24	25 Unit 14 (9 45-minute class periods)	26	27	28	01	02	
03	04	Notes: Feb. 15 - Early Dismissal / Staff Development					



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Unit 14 – Area

Students model, write, and solve area equations with positive rational numbers for two-dimensional figures.

Unit 15 – Volume of Right Rectangular Prisms

Students extend their knowledge of measurement of two- and three-dimensional geometric figures by investigating the volume of right rectangular prisms.

Unit 16 – Data Analysis: Types of Graphs

Students use graphical representations to describe, represent, analyze, interpret and summarize numerical data and data distribution.

2019		March					
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	
24	25	26	27	28	01 Unit 14 (9 45-minute class periods)	02	
03	04 Unit 14 (9 45-minute class periods)	05	06	07	08 • Extend • Review • Assess • Reteach	09	
10	11	12	13	14	15	16	
	Spring Break						
17	18 Unit 15 (8 45-minute class periods)	19	20	21	22	23	
24	25 Unit 15 (8 45-minute class periods)	26	27	28 • Extend • Review • Assess • Reteach	29 Unit 16 (5 45-minute class periods)	30	
31	01	Notes: Mar. 11-15 - Spring Break					

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Units of Instruction

Unit 16 – Data Analysis: Types of Graphs
Students use graphical representations to describe, represent, analyze, interpret and summarize numerical data and data distribution.

Unit 17 –Data Analysis: Measure of Center and Measure of Spread
Students analyze univariate data by looking at the measures of center and the measures of spread and use summaries to describe what the center, spread, and shape of the data distribution indicate about the data.

Unit 18 – Readiness and Supporting Standards Review
Students use appropriate problem-solving strategies and skills to review relevant Readiness and Supporting Standards (based on individual student diagnostic data).

2019		April				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
31	01 Unit 16 (5 45-minute class periods)	02	03	04	05 • Extend • Review • Assess • Reteach	06 END OF CYCLE 5
07	08 Unit 17 (6 45-minute class periods)	09	10	11 • Extend • Review • Assess • Reteach	12 Unit 17 (6 45-minute class periods)	13
14	15 Unit 17 (6 45-minute class periods)	16	17 • Extend • Review • Assess • Reteach	18	19 Spring Holiday	20
21	22 Unit 18 (15 45-minute class periods)	23	24	25	26	27
28	29 Unit 18 (15 45-minute class periods)	30	01	02	03	04
05	06	Notes: Apr. 19 - Spring Holiday				

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Unit 18 – Readiness and Supporting Standards Review

Students use appropriate problem-solving strategies and skills to review relevant Readiness and Supporting Standards (based on individual student diagnostic data).

Unit 19 – Bridge to 7th Grade

Students investigate connections between current standards and standards of subsequent courses.

2019		May				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
28	29	30	01 Unit 18 (15 45-minute class periods)	02	03	04
05	06 Unit 18 (15 45-minute class periods)	07	08	09	10	11
12	13 • Extend • Review • Assess • Reteach	14	15	16	17	18
19	20 Unit 19 (7 45-minute class periods)	21	22	23	24	25
26	27 Memorial Day	28 Unit 19 (7 45-minute class periods)	29	30 • Extend • Review • Assess • Reteach	31	01
02	03	Notes: May 13 - 17 STAAR Testing Days May 27 - Memorial Day				



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2019 June		SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
26	27	28	29	30	31	01	END OF CYCLE 6	
02	03 Teacher Prep Day (no students)	04	05	06	07	08		
09	10	11	12	13	14	15		
16	17	18	19	20	21	22		
23	24	25	26	27	28	29		
30	01	Notes: June 3 - Teacher Preparation Day (no students)						