


## Mathematics – Grade 6

### 2021-2022 Pacing Calendar

#### 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, with the aid of calculation devices.

2021		August				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
01	02	03	04	05	06	07
	Enrichment Opportunities					
08	09	10	11	12	13	14
	Enrichment Opportunities					
15	16	17	18	19	20	21
	Teacher Service Days (no students)		Teacher Prep Day (no students)	Teacher Service Days (no students)		
22	23	24	25	26	27	28
		Unit 1 (6 45-min. class periods)				
29	30	31	01	02	03	04
	Unit 1 (6 45-min. class periods)					
05	06	<b>Notes:</b> Aug. 16-20 - Teacher Service Days (no students)				

## Mathematics – Grade 6

### 2021-2022 Pacing Calendar

#### Units of Instruction

##### Unit 2 – Order of Operations

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

##### Unit 3 – Classification of Types of Numbers

Students understand the relationships between rational numbers and their subsets through the use of visual representations such as number lines and Venn diagrams.

##### Unit 4 – Representations of Rational Numbers

Students simplify and generate equivalent forms of rational numbers using a variety of representations, including symbols, diagrams, graphs, and language as appropriate.

2021		September				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
29	30	31	01 • Extend • Review • Assess • Reteach	02 Unit 2 (8 45-min. class periods)	03	04
05	06 Labor Day	07 Unit 2 (8 45-min. class periods)	08	09	10	11
12	13 Unit 2 (8 45-min. class periods)	14	15 • Extend • Review • Assess • Reteach	16 Fall Holiday	17 Teacher Service Day (no students)	18
19	20 Unit 3 (4 45-min. class periods)				24 • Extend • Review • Assess • Reteach	25
26	27 Unit 4 (4 45-min. class periods)	28	29	30	01	02
03	04	<b>Notes:</b> Sept. 6 - Labor Day Sept. 16 - Fall Holiday Sept. 17 - Teacher Service Day (no students)				

## Mathematics – Grade 6

### 2021-2022 Pacing Calendar

#### Units of Instruction

##### Unit 5 – Multiply and Divide Fractions and Decimals

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

##### Unit 6 – Integers and Integer Operations

Students model and solve real-world problems involving addition, subtraction, multiplication and division of integers. Students will generate equivalent expressions using the order of operations.

2021		October					
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	
26	27	28	29	30	01 • Extend • Review • Assess • Reteach	02 <b>END OF CYCLE 1</b>	
03	04 Teacher Service Day (no students)	05 Unit 5 (10 45-min. class periods)				08	09
10	11 Unit 5 (10 45-min. class periods)					16	
17	18 Unit 5 (10 45-min. class periods)	19 • Extend • Review • Assess • Reteach	20 Unit 6 (14 45-min. class periods)	21	22	23	
24	25 Unit 6 (14 45-min. class periods)	26	27	28 • Extend • Review • Assess • Reteach	29	30	
31	01	<b>Notes:</b> Oct. 4 - Teacher Service Day (no students)					

## Mathematics – Grade 6

### 2021-2022 Pacing Calendar

#### Units of Instruction

##### Unit 6 – Integers and Integer Operations

Students model and solve real-world problems involving addition, subtraction, multiplication and division of integers. Students will generate equivalent expressions using the order of operations.

##### Unit 7 – Model and Solve Equations

Students model and solve one-variable, one-step equations to represent situations, including geometric concepts, and determine if a value makes an equation true when substituted.

2021		November				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
31	01 Unit 6 (14 45-min. class periods)	02	03	04	05	06
07	08 Unit 6 (14 45-min. class periods)	09	10	11 • Extend • Review • Assess • Reteach	12	13 <b>END OF CYCLE 2</b>
14	15 Unit 7 (6 45-min. class periods)	16	17	18	19 • Extend • Review • Assess • Reteach	20
21	22	23	24	25	26	27
	Thanksgiving					
28	29 Unit 7 (6 45-min. class periods)	30	01	02	03	04
05	06	<b>Notes:</b> Nov. 22-26 - Thanksgiving Break				

## Mathematics – Grade 6

### 2021-2022 Pacing Calendar

#### Units of Instruction

##### Unit 8 – Model and Solve Inequalities

Students model and solve one-variable, one-step inequalities to represent situations, including geometric concepts, and determine if a value makes an inequality true when substituted.

##### Unit 9 – Area and Volume

Students model, write, and solve area equations with positive rational numbers for two-dimensional figures. Then, students extend their knowledge of measurement of two- and three-dimensional geometric figures by investigating the volume of right rectangular prisms.

2021		December				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
28	29	30	01 • Extend • Review • Assess • Reteach	02 Unit 8 (6 45-min. class periods)	03	04
05	06 Unit 8 (6 45-min. class periods)	07	08	09	10 • Extend • Review • Assess • Reteach	11
12	13 Unit 9 (6 45-min. class periods)	14	15	16	17 • Extend • Review • Assess • Reteach	18
19	20 Enrichment Opportunities	21	22	23	24 Winter Break	25
26	27	28	29	30	31 Winter Break	01
02	03	<b>Notes:</b> Dec. 20-31 - Winter Break				

## Mathematics – Grade 6

### 2021-2022 Pacing Calendar

#### Units of Instruction

##### Unit 9 – Area and Volume

Students model, write, and solve area equations with positive rational numbers for two-dimensional figures. Then, students extend their knowledge of measurement of two- and three-dimensional geometric figures by investigating the volume of right rectangular prisms.

##### Unit 10 – Foundations of Proportionality

Students develop an understanding of proportionality by 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.

2022		January				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
26	27	28	29	30	31	01
02	03 • Extend • Review • Assess • Reteach	04 Unit 9 (6 45-min. class periods)	05	06 • Extend • Review • Assess • Reteach	07 Unit 10 (16 45-min. class periods)	08
09	10 Unit 10 (16 45-min. class periods)	11	12	13	14	15 <b>END OF CYCLE 3</b>
16	17 Martin Luther King, Jr. Day	18 Teacher Prep Day (no students)	19 • Extend • Review • Assess • Reteach	20 Unit 10 (16 45-min. class periods)	21	22
23	24 Unit 10 (16 45-min. class periods)	25	26	27	28	29
30	31 Unit 10 (16 45-min. class periods)	<b>Notes:</b> Jan. 17 - Martin Luther King, Jr. Day Jan. 18 - Teacher Preparation Day (no students)				

## Mathematics – Grade 6

### 2021-2022 Pacing Calendar

#### Units of Instruction

##### Unit 10 – Foundations of Proportionality

Students develop an understanding of proportionality by 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.

##### Unit 11 – Percents

Students extend previous knowledge of percent equivalence to show equal parts of the same whole in mathematical and real-world contexts.

##### Unit 12 – Linear Relationships

Students use multiple representations to describe algebraic relationships in the form of  $y = kx$  or  $y = x + b$  to represent proportional and non-proportional relationships. The relationships may be expressed in the form of tables, graphs, equations, and verbal descriptions. Students also 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 13 – Triangles and their Properties

Students extend their knowledge of angles to classify triangles and use their properties to identify the relationships between the side lengths and angle measures.

2022		February				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
30	31	01 Unit 10 (16 45-min. class periods)	02	03 • Extend • Review • Assess • Reteach	04	05
06	07 Unit 11 (6 45-min. class periods)	08	09	10	11	12
13	14 Unit 11 (6 45-min. class periods)	15 • Extend • Review • Assess • Reteach	16 Unit 12 (6 45-min. class periods)	17	18	19
20	21 Teacher Service Day (no students)	22 Unit 12 (6 45-min. class periods)	23	24	25 • Extend • Review • Assess • Reteach	26 END OF CYCLE 4
27	28 Unit 13 (6 45-min. class periods)	01	02	03	04	05
06	07	<b>Notes:</b> Feb. 21 - Teacher Service Day (no students)				

## Mathematics – Grade 6

### 2021-2022 Pacing Calendar

#### Units of Instruction

**Unit 13 – Triangles and their Properties**  
Students extend their knowledge of angles to classify triangles and use their properties to identify the relationships between the side lengths and angle measures.

**Unit 14 – Data Analysis**  
Students use graphical representations to describe, represent, analyze, interpret and summarize numerical data and data distribution, including measures of center and measures of spread. Students also analyze univariate data by looking at the measures of center, the measures of spread, and distribution summaries to describe what they indicate about the data.

**Unit 15 – 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).

2022		March				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
27	28	01 Unit 13 (6 45-min. class periods)	02	03	04	05
06	07 Unit 13 (6 45-min. class periods)	08 • Extend • Review • Assess • Reteach	09 Unit 14 (8 45-min. class periods)	10	11	12
13	14	15	16	17	18	19
	Enrichment Opportunities			Spring Break		
20	21 Unit 14 (8 45-min. class periods)	22	23	24	25	26
27	28 Chávez / Huerta Day	29 • Extend • Review • Assess • Reteach	30	31 Unit 15 (12 45-min. class periods)	01	02
03	04	<b>Notes:</b> Mar. 14-18 - Spring Break Mar. 28 - César Chávez/Dolores Huerta Day				



## Mathematics – Grade 6

### 2021-2022 Pacing Calendar

#### Units of Instruction

##### Unit 15 – 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 16 – Grade 6 Performance Task

Students demonstrate their level of mastery of a topic studied in grade 6 mathematics through the creation of a written task.

2022		April				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
27	28	29	30	31	01 Unit 15 (12 45-min. class periods)	02
03	04 • Extend • Review • Assess • Reteach	05	06 Unit 15 (12 45-min. class periods)	07	08	09
10	11 Unit 15 (12 45-min. class periods)	12	13	14 • Extend • Review • Assess • Reteach	15 Spring Holiday	16
17	18 Unit 15 (12 45-min. class periods)	19	20	21	22 • Extend • Review • Assess • Reteach	23 END OF CYCLE 5
24	25 Unit 16 (10 45-min. class periods)	26	27	28	29	30
01	02	<b>Notes:</b> Apr. 15 - Spring Holiday				

## Mathematics – Grade 6

### 2021-2022 Pacing Calendar

#### Units of Instruction

**Unit 16 – Grade 6 Performance Task**  
Students demonstrate their level of mastery of a topic studied in grade 6 mathematics through the creation of a written task.

**Unit 17 – Bridge to Grade 7**  
Students investigate connections between current standards and standards of subsequent courses.

2022		May				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
01	02 Unit 16 (10 45-min. class periods)	03	04	05	06	07
08	09 • Extend • Review • Assess • Reteach	10	11	12	13	14
15	16 Unit 17 (14 45-min. class periods)	17	18	19	20	21
22	23 Unit 17 (14 45-min. class periods)	24	25	26	27	28
29	30 Memorial Day	31 • Extend • Review • Assess • Reteach	01	02	03	04
05	06	Notes: May 30 - Memorial Day				

**Mathematics – Grade 6**

**2021-2022  
Pacing Calendar**

**Units of Instruction**

**Unit 17 – Bridge to Grade 7**

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

2022		June				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
29	30	31	01 Unit 17 (14 45-min. class periods)	02	03	04
05	06 Unit 17 (14 45-min. class periods)	07 • Extend • Review • Assess • Reteach	08 Teacher Prep Day (no students) END OF CYCLE 6	09	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	01	02
03	04	<b>Notes:</b> Jun. 8 - Teacher Preparation Day (no students)				