

Mathematics – Grade 6 Pre-AP®


2018-2019 Pacing Calendar

Units of Instruction

Unit 1 – Personal Features of Checking Accounts Students develop an understanding of financial literacy as they compare features of different financial institutions' checking and saving accounts. They also describe the information in a credit report and distinguish between credit and debit cards.

BOY Placeholder – August 28-29, 2018

Date may be shifted based on school schedule

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 Unit 1 (4 45-minute class periods)	31	01
02	03	Notes: Aug. 13-23 - Teacher Service Days (no students) Aug. 24 - Teacher Preparation Day (no students) Aug. 28-29 - BOY Placeholder				



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Units of Instruction

Unit 1 – Personal Features of Checking Accounts
Students develop an understanding of financial literacy as they compare features of different financial institutions' checking and saving accounts. They also describe the information in a credit report and distinguish between credit and debit cards.

Unit 2 – Personal Careers and their Salaries
Students explore and explain various methods to pay for college, and compare various salaries of different occupations.

Unit 3 – Budgeting
Students identify the components of a personal budget, as well as create and organize a financial assets and liabilities record.

Unit 4 – Classifying and Ordering Rational Numbers
Students categorize and organize numbers in sets and subsets using visual representations. They use the number line to order rational numbers including absolute value. Students also graph rational numbers in all four quadrants.

2018		September				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
26	27	28	29	30	31	01
02	03 Labor Day	04 Unit 1 (4 45-minute class periods)	05	06 • Extend • Review • Assess • Reteach	07 Unit 2 (2 45-minute class periods)	08
09	10 Teacher Service Day (no students)	11 Unit 2 (2 45-minute class periods)	12 • Extend • Review • Assess • Reteach	13 Unit 3 (4 45-minute class periods)	14	15
16	17 Unit 3 (4 45-minute class periods)	18	19 • Extend • Review • Assess • Reteach	20	21 Early Dismissal / Staff Development	22
23	24 Unit 4 (4 45-minute class periods)	25	26	27	28 • Extend • Review • Assess • Reteach	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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Units of Instruction

Unit 5 – Operations with Rational Numbers

Students investigate and utilize various problem-solving processes to extend previous experiences involving numeric relationships involving addition, subtraction, multiplication and division of all types of rational numbers in a context of real-world situations.

Unit 6 – Operations with Rational Numbers

Students investigate and utilize various problem-solving processes to extend previous experiences involving numeric relationships involving addition, subtraction, multiplication and division of all types of rational numbers in a context of real-world situations.

Unit 7 – Algebraic Expressions

Students use properties to generate equivalent expressions using operations and determine if two expressions are equivalent using concrete models, pictorial models and algebraic representations.

Unit 8 – Equations and Inequalities

Students represent, write, model, and solve one-variable, one-step and two-step equations and inequalities in application situations using mathematical properties and operations.

2018	October					
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
30	01 Unit 5 (8 45-minute class periods)	02	03	04	05	06 END OF CYCLE 1
07	08 Unit 5 (8 45-minute class periods)	09	10	11 • Extend • Review • Assess • Reteach	12	13
14	15 Unit 6 (4 45-minute class periods)	16	17	18	19 Early Dismissal / Staff Development	20
21	22 • Extend • Review • Assess • Reteach	23 Unit 7 (4 45-minute class periods)	24	25	26	27
28	29 • Extend • Review • Assess • Reteach	30 Unit 8 (12 45-minute class periods)	31	01	02	03
04	05	Notes: Oct. 19 - Early Dismissal / Staff Development Oct. 29-Nov. 2 - Snapshot 1				

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Units of Instruction

Unit 8 – Equations and Inequalities

Students represent, write, model, and solve one-variable, one-step and two-step equations and inequalities in application situations using mathematical properties and operations.

Unit 9 – Percent Applications

Students solve problems involving ratios, rates, and percents. They also calculate and compare simple and compound interest earnings. They calculate sales tax and income tax.

Unit 10 – Ratios and Rates

Students solve application problems involving proportional relationships such as unit rate and conversions between measurement systems

2018		November				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
28	29	30	31	01 Unit 8 (12 45-minute class periods)	02	03
04	05 Unit 8 (12 45-minute class periods)	06	07	08	09 Early Dismissal / Staff Development	10 END OF CYCLE 2
11	12 Unit 9 (5 45-minute class periods)	13	14	15	16	17
18	19	20	21	22	23	24
	Thanksgiving					
25	26 • Extend • Review • Assess • Reteach	27 Unit 10 (4 45-minute class periods)	28	29	30	01
02	03	Notes: Oct. 29-Nov. 2 - Snapshot 1 Nov. 9 - Early Dismissal / Staff Development Nov. 19-23 - Thanksgiving Break				



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Units of Instruction

Unit 10 – Ratios and Rates

Students solve application problems involving proportional relationships such as unit rate and conversions between measurement systems.

Unit 11 – Algebraic Relationships with Multiple Representations

Students represent given statements using verbal descriptions, tables, graphs, and equations as they are introduced to linear equations.

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

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Units of Instruction

MOY Placeholder – January 7-8, 2019

Date may be shifted based on school schedule

Unit 12 – Similar Figures and Scale

Drawings Students generalize the critical attributes of similarity, including ratios within and between similar shapes. They also solve real-world problems involving similarity.

Unit 13 – Introduction to Triangle Properties

Students analyze the relationships between angle measures and side lengths of a triangle. Students solve one-variable, one-step equations and inequalities that represent problems, including geometric concepts.

Unit 14 – Area of Two-Dimensional Figures

Students extend their knowledge of measurement of two-dimensional geometric figures by investigating and calculating area including the area of composite figures.

2019		January				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
30	31	01	02	03	04	05
		Winter Break				
06	07 • Extend • Review • Assess • Reteach	08	09 Unit 12 (6 45-minute class periods)	10	11	12
13	14 Unit 12 (6 45-minute class periods)	15	16	17 • Extend • Review • Assess • Reteach	18 Early Dismissal / Staff Development	19
20	21 Martin Luther King, Jr. Day	22 Unit 13 (6 45-minute class periods)	23	24	25	26
27	28 Unit 13 (6 45-minute class periods)	29	30 • Extend • Review • Assess • Reteach	31 Unit 14 (7 45-minute class periods)	01	02
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 Jan. 28-Feb 1 - Snapshot 2				

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Units of Instruction

Unit 14 – Area of Two-Dimensional Figures

Students extend their knowledge of measurement of two-dimensional geometric figures by investigating and calculating area including the area of composite figures.

Unit 15 – Circles and Composite Figures

Students describe the relationship between the circumference and diameter of a circle. They use models to determine the circumference and area of circles, and connect the models to the actual formulas. They solve problems involving composite figures.

Unit 16 – Surface Area - Prisms and Pyramids

Students determine the relationship between prisms and pyramids and calculate the surface area of those solids.

2019		February				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
27	28	29	30	31	01 Unit 14 (7 45-minute class periods)	02
03	04 Unit 14 (7 45-minute class periods)	05	06	07	08 • Extend • Review • Assess • Reteach	09
10	11 Unit 15 (4 45-minute class periods)	12	13	14	15 Early Dismissal / Staff Development	16 END OF CYCLE 4
17	18 Unit 16 (6 45-minute class periods)	19	20	21	22	23
24	25	26	27	28	01	02
03	04	Notes: Jan. 28-Feb. 1 - Snapshot 2 Feb. 15 - Early Dismissal / Staff Development Feb. 25-Mar. 1 - STAAR Released				

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Units of Instruction

Unit 16 – Surface Area - Prisms and Pyramids

Students determine the relationship between prisms and pyramids and calculate the surface area of those solids.

Unit 17 – Volume - Prisms and Pyramids

Students determine the relationship between prisms and pyramids and calculate the volume of those solids.

Unit 18 – Numeric Data Distribution

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	02
03	04 Unit 16 (6 45-minute class periods)	05 • Extend • Review • Assess • Reteach	06 Unit 17 (6 45-minute class periods)	07	08	09
10	11	12	13	14	15	16
Spring Break						
17	18 Unit 17 (6 45-minute class periods)	19	20	21 • Extend • Review • Assess • Reteach	22	23
24	25 Unit 18 (6 45-minute class periods)	26	27	28	29	30
31	01	Notes: Feb. 25-Mar. 1 - STAAR Released Grade 7 Writing Mar. 11-15 - Spring Break Mar. 25-29 - STAAR Released Grade 7 Mathematics				



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Units of Instruction

Unit 18 – Numeric Data Distribution

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

Unit 19 – Analyzing Statistical Graphs

Students use numerical and graphical representations to describe, represent, analyze and interpret data. They also compare two populations based on data from random samples.

Unit 20 – 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 18 (12 45-minute class periods)	02 • Extend • Review • Assess • Reteach	03 Unit 19 (6 45-minute class periods)	04	05	06 END OF CYCLE 5
07	08 Unit 19 (6 45-minute class periods)	09	10 Unit 19 (6 45-minute class periods)	11	12 • Extend • Review • Assess • Reteach	13
14	15 Unit 20 (12 45-minute class periods)	16	17	18	19 Spring Holiday	20
21	22 Unit 20 (12 45-minute class periods)	23	24	25	26	27
28	29 Unit 20 (12 45-minute class periods)	30	01	02	03	04
05	06	Notes: Apr. 9 - STAAR Grade 7 Writing Apr. 19 - Spring Holiday				

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Units of Instruction

Unit 20 – 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 21 – Probability

Students construct sample spaces for real-world events; determine the experimental and/or theoretical probability of those events. They make decisions and predictions using experimental and/or theoretical data for simple and compound events.

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