



Secondary Curriculum and Development

ALIGN, ADVANCE, ENGAGE.

Mathematics – Grade 6 Pre-AP® / Honors

2021-2022 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.

Unit 2 – Personal Careers and their Salaries

Students explore and explain various methods to pay for college and compare various salaries of different occupations.

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 (4 45-min. class periods)				
29	30	31	01	02	03	04
	Unit 2 (2 45-min. class periods)					
05	06	Notes: Aug. 16-20 - Teacher Service Days (no students)				



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Units of Instruction

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.

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.

2021		September				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
29	30	31	01 • Extend • Review • Assess • Reteach	02 Unit 3 (4 45-min. class periods)	03	04
05	06 Labor Day	07 Unit 3 (4 45-min. class periods)	08	09 • Extend • Review • Assess • Reteach	10 Unit 4 (4 45-min. class periods)	11
12	13 Unit 4 (4 45-min. class periods)	14	15	16 Fall Holiday	17 Teacher Service Day (no students)	18
19	20 • Extend • Review • Assess • Reteach	21 Unit 5 (8 45-min. class periods)	22	23	24	25
26	27 Unit 5 (8 45-min. class periods)	28	29	30	01	02
03	04	Notes: Sept. 6 - Labor Day Sept. 16 - Fall Holiday Sept. 17 - Teacher Service Day (no students)				



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Units of Instruction

Unit 6 – Representations of Fractions, Decimals, and Percents

Students use concrete models and manipulatives to represent and identify equivalent relationships between fractions, decimals, and percents.

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

2021		October				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
26	27	28	29	30	01 • Extend • Review • Assess • Reteach	02 END OF CYCLE 1
03	04 Teacher Service Day (no students)	05 Unit 6 (4 45-min. class periods)	06	07	08	09
10	11 • Extend • Review • Assess • Reteach	12 Unit 7 (4 45-min. class periods)	13	14	15	16
17	18 • Extend • Review • Assess • Reteach	19 Unit 8 (12 45-min. class periods)	20	21	22	23
24	25 • Extend • Review • Assess • Reteach	26 Unit 8 (12 45-min. class periods)	27	28	29	30
31	01	Notes: Oct. 4 - Teacher Service Day (no students)				

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Units of Instruction

Unit 8 – Equations and Inequalities

Students represent, model, write, 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.

2021		November				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
31	01 Unit 8 (12 45-min. class periods)	02	03	04	05 • Extend • Review • Assess • Reteach	06
07	08 Unit 9 (6 45-min. class periods)	09	10	11 • Extend • Review • Assess • Reteach	12	13 END OF CYCLE 2
14	15 Unit 9 (6 45-min. class periods)	16	17	18 • Extend • Review • Assess • Reteach	19	20
21	22	23	24	25	26	27
			Thanksgiving			
28	29 Unit 10 (4 45-min. class periods)	30	01	02	03	04
05	06	Notes: Nov. 22-26 - 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.

2021		December				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
28	29	30	01 Unit 10 (4 45-min. class periods)	02	03 • Extend • Review • Assess • Reteach	04
05	06 Unit 11 (10 45-min. class periods)	07	08	09	10 • Extend • Review • Assess • Reteach	11
12	13 Unit 11 (10 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	Notes: Dec. 20-31 - Winter Break				



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Units of Instruction

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.

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.

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

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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.

Unit 17 – Volume – Prisms and Pyramids

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

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



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Units of Instruction

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 distributions.

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.

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



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Units of Instruction

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).

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.

2022		April				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
27	28	29	30	31	01 Unit 19 (6 45-min. class periods)	02
03	04 Unit 19 (6 45-min. class periods)	05	06 • Extend • Review • Assess • Reteach	07 Unit 20 (10 45-min. class periods)	08	09
10	11 Unit 20 (10 45-min. class periods)	12	13	14 • Extend • Review • Assess • Reteach	15 Spring Holiday	16
17	18 Unit 20 (10 45-min. class periods)	19	20	21 • Extend • Review • Assess • Reteach	22	23 END OF CYCLE 5
24	25 Unit 20 (10 45-min. class periods)	26	27 • Extend • Review • Assess • Reteach	28 Unit 21 (16 45-min. class periods)	29	30
01	02	Notes: Apr. 15 - Spring Holiday				



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Units of Instruction

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.

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

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Units of Instruction

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.

2022		June				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
29	30	31	01 Unit 21 (16 45-min. class periods)	02	03 • Extend • Review • Assess • Reteach	04
05	06 • Extend • Review • Assess • Reteach	07	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	Notes: Jun. 8 - Teacher Preparation Day (no students)				