



# Secondary Curriculum and Development

ALIGN, ADVANCE, ENGAGE.

## Science – Grade 6

### 2021-2022 Pacing Calendar

#### Units of Instruction

##### Unit 1: Classifying Matter

Students compare forms of matter, identify and describe elements, and distinguish the differences between elements and compounds.

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 C1W1	23 Unit 1 (14 45-min. class periods)	24	25	26	27	28
29 C1W2	30 Unit 1 (14 45-min. class periods)	31	01	02	03	04
05	06	<b>Notes:</b> Aug. 16-20 - Teacher Service Days (no students)				



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#### Units of Instruction

##### Unit 1: Classifying Matter

Students compare forms of matter, identify and describe elements, and distinguish the differences between elements and compounds.

##### Unit 2: Metals, Nonmetals, and Metalloids

Students compare and contrast the properties of metals, nonmetals, and metalloids.

2021		September				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
29 C1W2	30	31	01 Unit 1 (14 45-min. class periods)	02	03	04
05 C1W3	06 Labor Day	07 Unit 1 (14 45-min. class periods)	08	09	10	11
12 C1W4	13 Unit 2 (8 45-min. class periods)	14	15	16 Fall Holiday	17 Teacher Service Day (no students)	18
19 C1W5	20 Unit 2 (8 45-min. class periods)	21	22	23	24	25
26 C1W6	27 • Extend • Review • Assess • Reteach	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)				



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#### Units of Instruction

##### Unit 3: Chemical Change and Density

Students investigate chemical changes in substances and calculate the density of objects.

##### Unit 4: Energy Introduction

Students explore the use of energy in everyday life situations, compare and contrast potential and kinetic energy interactions, and differentiate between different forms of energy transformations.

2021		October				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
26 C1W6	27	28	29	30	01 • Extend • Review • Assess • Reteach	02 <b>END OF CYCLE 1</b>
03 C2W1	04 Teacher Service Day (no students)	05 Unit 3 (12 45-min. class periods)	06	07	08	09
10 C2W2	11 Unit 3 (12 45-min. class periods)	12	13	14	15	16
17 C2W3	18 Unit 3 (12 45-min. class periods)	19	20	21 Unit 4 (12 45-min. class periods)	22	23
24 C2W4	25 Unit 4 (12 45-min. class periods)	26	27	28	29	30
31	01	<b>Notes:</b> Oct. 4 - Teacher Service Day (no students)				



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#### Units of Instruction

##### Unit 4: Energy Introduction

Students explore the use of energy in everyday life situations, compare and contrast potential and kinetic energy interactions, and differentiate between different forms of energy transformations.

##### Unit 5: Thermal Energy

Students investigate thermal energy movement and methods of thermal energy transfer including conduction, convection, and radiation.

2021		November				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
31 C2W5	01 Unit 4 (12 45-min. class periods)	02	03	04	05	06
07 C2W6	08 • Extend • Review • Assess • Reteach	09	10	11	12	13 END OF CYCLE 2
14 C3W1	15 Unit 5 (12 45-min. class periods)	16	17	18	19	20
21	22	23	24	25	26	27
Thanksgiving						
28 C3W2	29 Unit 5 (14 45-min. class periods)	30	01	02	03	04
05	06	<b>Notes:</b> Nov. 22-26 - Thanksgiving Break				



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#### Units of Instruction

**Unit 5: Thermal Energy**  
Students investigate thermal energy movement and methods of thermal energy transfer including conduction, convection, and radiation.

**Unit 6: Energy Resources**  
Students research and discuss the advantages and disadvantages of energy resources.

2021		December				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
28 C3W2	29	30	01 Unit 5 (14 45-min. class periods)	02	03	04
05 C3W3	06 Unit 5 (14 45-min. class periods)	07	08	09	10 Unit 6 (10 45-min. class periods)	11
12 C3W4	13 Unit 6 (10 45-min. class periods)	14	15	16	17	18
19	20 Enrichment Opportunities	21	22 Winter Break	23 Winter Break	24 Winter Break	25
26	27 Winter Break	28 Winter Break	29 Winter Break	30 Winter Break	31 Winter Break	01
02	03	<b>Notes:</b> Dec. 20-31 - Winter Break				

## Science – Grade 6

### 2021-2022 Pacing Calendar

#### Units of Instruction

##### Unit 6: Energy Resources

Students research and discuss the advantages and disadvantages of energy resources.

**Unit 7: Force and Motion** Students explore changes the motion of objects as a result of forces being applied, calculate speed of objects, and measure and graph changes in motion.

2022		January				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
26	27	28	29	30	31	01
02 C3W5	03 Unit 6 (10 45-min. class periods)	04	05	06	07 • Extend • Review • Assess • Reteach	08
09 C3W6	10 • Extend • Review • Assess • Reteach	11	12	13	14	15
16 C4W1	17 Martin Luther King, Jr. Day	18 Teacher Prep Day (no students)	19 Unit 7 (18 45-min. class periods)	20	21	22
23 C4W2	24 Unit 7 (18 45-min. class periods)	25	26	27	28	29
30 C4W3	31 Unit 7 (18 45-min. class periods)	<b>Notes:</b> Jan. 17 - Martin Luther King, Jr. Day Jan. 18 - Teacher Preparation Day (no students)				
						<b>END OF CYCLE 3</b>



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#### Units of Instruction

##### Unit 7: Force and Motion

Students explore changes the motion of objects as a result of forces being applied, calculate speed of objects, and measure and graph changes in motion.

**Unit 8: Simple Machines and STEM** Students investigate how simple machines such as inclined planes are used in everyday situations.

##### Unit 9: Rock Cycle

Students model the layers of Earth, test properties of minerals, and classify rocks by the process of their formation.

2022		February				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
30 C4W3	31	01 Unit 7 (18 45-min. class periods)	02	03	04	05
06 C4W4	07 Unit 7 (18 45-min. class periods)	08	09	10	11	12
13 C4W5	14 Unit 8 (4 45-min. class periods)	15	16	17	18 • Extend • Review • Assess • Reteach	19
20 C4W6	21 Teacher Service Day (no students)	22 • Extend • Review • Assess • Reteach	23	24	25	26 END OF CYCLE 4
27 C5W1	28 Unit 9 (12 45-min. class periods)	01	02	03	04	05
06	07	<b>Notes:</b> Feb. 21 - Teacher Service Day (no students)				



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#### Units of Instruction

**Unit 9: Rock Cycle**  
Students model the layers of Earth, test properties of minerals, and classify rocks by the process of their formation.

**Unit 10: Plate Tectonics**  
Students identify and describe major tectonic plates found on Earth and describe how plate movements contribute to many major geological events.

2022		March				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
27 C5W1	28	01 Unit 9 (12 45-min. class periods)	02	03	04	05
06 C5W2	07 Unit 9 (12 45-min. class periods)	08	09	10	11	12
13	14	15	16	17	18	19
	Enrichment Opportunities			Spring Break		
20 C5W3	21 Unit 9 (12 45-min. class periods)	22	23 Unit 10 (10 45-min. class periods)	24	25	26
27 C5W4	28 Chávez / Huerta Day	29 Unit 10 (10 45-min. class periods)	30	31	01	02
03	04	<b>Notes:</b> Mar. 14-18 - Spring Break Mar. 28 - César Chávez/Dolores Huerta Day				





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### 2021-2022 Pacing Calendar

#### Units of Instruction

**Unit 10: Plate Tectonics**  
Students identify and describe major tectonic plates found on Earth and describe how plate movements contribute to many major geological events.

**Unit 11: Space Science**  
Students identify and describe components of the solar system and conduct research on the history and future of space exploration.

**Unit 12: Cells**  
Students identify and describe basic components of cells and compare characteristics of prokaryotic to eukaryotic cells.

**Unit 13: Classifying Organisms**  
Students identify and classify organisms from currently recognized domains.

2022	April					
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
27 C5W4	28	29	30	31	01 Unit 10 (10 45-min. class periods)	02
03 C5W5	04 Unit 10 (10 45-min. class periods)	05	06	07 Unit 11 (4 45-min. class periods)	08	09
10 C5W6	11 Unit 11 (4 45-min. class periods)	12	13 • Extend • Review • Assess • Reteach	14	15 Spring Holiday	16
17 C5W7	18 • Extend • Review • Assess • Reteach	19	20	21	22	23
24 C6W1	25 Unit 12 (4 45-min. class periods)	26	27	28	29 Unit 13 (10 45-min. class periods)	30
01	02	<b>Notes:</b> Apr. 15 - Spring Holiday				



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#### Units of Instruction

**Unit 13: Classifying Organisms**  
Students identify and classify organisms from currently recognized domains.

**Unit 14: Ecosystems**  
Students describe components of ecosystems in which organisms interact.

2022		May				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
01 C6W2	02 <b>Unit 13</b> (10 45-min. class periods)	03	04	05	06	07
08 C6W3	09 <b>Unit 13</b> (10 45-min. class periods)	10	11	12	13 <b>Unit 14</b> (12 45-min. class periods)	14
15 C6W4	16 <b>Unit 14</b> (12 45-min. class periods)	17	18	19	20	21
22 C6W5	23 <b>Unit 14</b> (12 45-min. class periods)	24	25	26	27	28
29 C6W6	30 <b>Memorial Day</b>	31 <b>Unit 14</b> (12 45-min. class periods)	01	02	03	04
05	06	<b>Notes:</b> May 30 - Memorial Day				



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Units of Instruction

2022		June				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
29 C6W6	30	31	01 • Extend • Review • Assess • Reteach	02	03	04
05 C6W7	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	<b>Notes:</b> Jun. 8 - Teacher Preparation Day (no students)				