



# Secondary Curriculum and Development

ALIGN, ADVANCE, ENGAGE.

## Science – Grade 7 Accelerated Pre-AP®

### 2021-2022 Pacing Calendar

#### Units of Instruction

##### Unit 1: Chemistry Review

Students review the structure of atoms, model compounds, identify elements using properties and explain the arrangement of the Periodic Table.

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 (8 45-min. class periods)	24	25	26	27	28
29 C1W2	30 Unit 1 (8 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: Chemistry Review

Students review the structure of atoms, model compounds, identify elements using properties and explain the arrangement of the Periodic Table.

##### Unit 2: Chemical Reactions

Students investigate chemical reactions, interpret chemical equations using coefficients and subscripts, and explain the law of conservation of mass.

2021		September				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
29 C1W2	30	31	01 Unit 1 (8 45-min. class periods)	02 Unit 2 (14 45-min. class periods)	03	04
05 C1W3	06 Labor Day	07 Unit 2 (14 45-min. class periods)	08	09	10	11
12 C1W4	13 Unit 2 (14 45-min. class periods)	14	15	16 Fall Holiday	17 Teacher Service Day (no students)	18
19 C1W5	20 Unit 2 (14 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: Cellular Structure of Organisms

Students identify and describe cell organelles, differentiate between plant and animal cells, and compare and contrast prokaryotic and eukaryotic cells.

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 (24 45-min. class periods)	06	07	08	09
10 C2W2	11 Unit 3 (24 45-min. class periods)	12	13	14	15	16
17 C2W3	18 Unit 3 (24 45-min. class periods)	19	20	21	22	23
24 C2W4	25 Unit 3 (24 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 3: Cellular Structure of Organisms

Students identify and describe cell organelles, differentiate between plant and animal cells, and compare and contrast prokaryotic and eukaryotic cells.

##### Unit 4: Systems of the Body

Students identify and describe the structure and functions of systems of the human body and investigate how organisms respond to stimuli.

2021		November				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
31 C2W5	01 <b>Unit 3</b> (24 45-min. class periods)	02	03	04	05	06
07 C2W6	08 • <b>Extend</b> • <b>Review</b> • <b>Assess</b> • <b>Reteach</b>	09	10	11	12	13 <b>END OF CYCLE 2</b>
14 C3W1	15 <b>Unit 4</b> (24 45-min. class periods)	16	17	18	19	20
21	22	23	24	25	26	27
<b>Thanksgiving</b>						
28 C3W2	29 <b>Unit 4</b> (24 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 4: Systems of the Body

Students identify and describe the structure and functions of systems of the human body and investigate how organisms respond to stimuli.

2021		December				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
28 C3W2	29	30	01 Unit 4 (24 45-min. class periods)	02	03	04
05 C3W3	06 Unit 4 (24 45-min. class periods)	07	08	09	10	11
12 C3W4	13 Unit 4 (24 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				



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### 2021-2022 Pacing Calendar

#### Units of Instruction

##### Unit 4: Systems of the Body

Students identify and describe the structure and functions of systems of the human body and investigate how organisms respond to stimuli.

##### Unit 5: Genetics

Students define heredity and compare results of offspring from sexual and asexual reproduction.

2022		January				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
26	27	28	29	30	31	01
02 C3W5	03 Unit 4 (24 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 5 (10 45-min. class periods)	20	21	22 END OF CYCLE 3
23 C4W2	24 Unit 5 (10 45-min. class periods)	25	26	27	28	29
30 C4W3	31 Unit 5 (10 45-min. class periods)	<b>Notes:</b> Jan. 17 - Martin Luther King, Jr. Day Jan. 18 - Teacher Preparation Day (no students)				



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#### Units of Instruction

##### Unit 5: Genetics

Students define heredity and compare results of offspring from sexual and asexual reproduction.

##### Unit 6: Plants

Students investigate variations in plants and identify structures that enhance a plant's survival.

##### Unit 7: Classifying Organisms

Students classify organisms using currently recognized domains.

2022		February				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
30 C4W3	31	01 Unit 5 (10 45-min. class periods)	02 Unit 6 (12 45-min. class periods)	03	04	05
06 C4W4	07 Unit 6 (12 45-min. class periods)	08	09	10	11	12
13 C4W5	14 Unit 6 (12 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 7 (4 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 7: Classifying Organisms

Students classify organisms using currently recognized domains.

##### Unit 8: Interaction Within Ecosystems

Students identify and describe parts of an ecosystem and investigate how biodiversity contributes to sustainability.

##### Unit 9: Ecosystems: Competition and Changes

Students investigate and explain changes in ecosystems as a result of natural and catastrophic events and human activities.

2022		March				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
27 C5W1	28	01 Unit 7 (4 45-min. class periods)	02	03	04 Unit 8 (12 45-min. class periods)	05
06 C5W2	07 Unit 8 (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 8 (12 45-min. class periods)	22	23	24	25	26
27 C5W4	28 Chávez / Huerta Day	29 Unit 8 (12 45-min. class periods)	30 Unit 9 (10 45-min. class periods)	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 9: Ecosystems: Competition and Changes

Students investigate and explain changes in ecosystems as a result of natural and catastrophic events and human activities.

##### Unit 10: Natural Variations and Selective Breeding

Students compare features of species that enhance survival and identify changes in generations due to natural selection and selective breeding.

2022		April				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
27 C5W4	28	29	30	31	01 Unit 9 (10 45-min. class periods)	02
03 C5W5	04 Unit 9 (10 45-min. class periods)	05	06	07	08	09
10 C5W6	11 Unit 9 (10 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 10 (12 45-min. class periods)	26	27	28	29	30
01	02	<b>Notes:</b> Apr. 15 - Spring Holiday				



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#### Units of Instruction

##### Unit 10: Natural Variations and Selective Breeding

Students compare features of species that enhance survival and identify changes in generations due to natural selection and selective breeding.

##### Unit 11: STEM, Special Projects, and PBL

Students apply the methods of scientific inquiry to design comparative, descriptive, and experimental investigations. Students identify special projects including STEM based activities to perform PBL tasks and explore careers which promote science, math, and engineering principles.

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