



# Grade 8 Physical Science Pacing Calendar

August 2016

**Unit 1a:  
Matter and Atoms  
(4 Weeks)**

In this unit students will focus on the nature of matter, the periodic table, and phases of matter. Students will investigate the arrangement of the periodic table and phase changes. Finally students will evaluate heat transfer through matter.

**Unit 1b:  
Matter and Atoms  
(4 Weeks)**

In this unit students will focus on the nature of matter, the periodic table, and phases of matter. Students will investigate the arrangement of the periodic table and phase changes. Finally students will evaluate heat transfer through matter.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3 <i>First Day of School</i>	4 <i>Unit 1 – Matter and Atoms</i>	5	6
7	8 <i>Unit 1 – Matter and Atoms</i>	9	10	11	12	13
14	15 <i>Unit 1 – Matter and Atoms</i>	16	17	18	19	20
21	22 <i>Unit 1 – Matter and Atoms</i>	23	24	25	26	27
28	29 <i>Unit 1 – Matter and Atoms</i>	30	31			

Assessments  
Pre Administration SLO  
Window Aug.



# Grade 8 Physical Science Pacing Calendar

September 2016

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
				Unit 1b – Matter and Atoms		
4	5 <i>Labor Day</i>	6	7	8	9	10
	Unit 1b – Matter and Atoms					
11	12	13	14	15	16	17
	Unit 1b – Matter and Atoms			Unit 1 - Extend/Review/Assess/Reteach		
18	19	20	21	22	23	24
	Unit 1b – Matter and Atoms					
25	26	27	28	29	30	
	Unit 1b – Matter and Atoms					



# Grade 8 Physical Science Pacing Calendar

October 2016

**Unit 2a:  
Forces and Motion  
(4 Weeks)**

In this unit students will focus on forces and motion. Students will analyze motion and understand that forces are required for motion to initialize. Additionally students will evaluate Newton's Three Laws and simple machines.

**Unit 2b:  
Forces and Motion  
(4 Weeks)**

In this unit students will focus on forces and motion. Students will analyze motion and understand that forces are required for motion to initialize. Additionally students will evaluate Newton's Three Laws and simple machines.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5	6	7	8
	Unit 2a – Forces and Motion				Teacher Professional Learning Day	
9	10	11	12	13	14	15
	Columbus Day/Fall Break		Unit 2a – Forces and Motion			
16	17	18	19	20	21	22
	Unit 2a – Forces and Motion					
23	24	25	26	27	28	29
	Unit 2a – Forces and Motion					
30	31					
	Unit 2a – Forces and Motion					



# Grade 8 Physical Science Pacing Calendar

November 2016

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
		Unit 2b – Forces and Motion		Unit 2- Extend/Review/Assess/Reteach		
6	7	8	9	10	11	12
	Unit 2b – Forces and Motion	Teacher Professional Learning Day	Unit 2b – Forces and Motion			
13	14	15		17	18	19
	Unit 2b – Forces and Motion					
20	21	22	23	24	25	26
	Thanksgiving Break					
27	28	29	30			
	Unit 2b – Forces and Motion					



# Grade 8 Physical Science Pacing Calendar

December 2016

**Unit 3: Energy  
(6 Weeks)**

In this unit students will study types of energy as well as energy transfer. Students will analyze and evaluate the relationship between energy transfer and motion. Finally students will understand the Law of Conservation of Energy.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
	<i>Unit 2b – Forces and Motion</i>					
4	5	6	7	8	9	10
	<i>Unit 3-Energy</i>					
11	12	13	14	15	16	17
	<i>Unit 3-Energy</i>		<b>Unit 1, 2, 3 - Extend/Review/Assess/Reteach</b>		<b>End of First Semester</b>	
18	19	20	21	22	23	24
	<i>Semester Break</i>					
25	26	27	28	29	30	31



# Grade 8 Physical Science Pacing Calendar

January 2017

## Unit 3: Energy (6 Weeks)

In this unit students will study types of energy as well as energy transfer. Students will analyze and evaluate the relationship between energy transfer and motion. Finally students will understand the Law of Conservation of Energy.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2 <i>Last Day of Semester Break</i>	3 <i>Teacher Professional Learning Day</i>	4 <i>Unit 3-Energy</i>	5 <i>Unit 3-Energy</i>	6 <i>Unit 3-Energy</i>	7
8	9 <i>Unit 3-Energy</i>	10 <i>Unit 3-Energy</i>	11 <i>Unit 3-Energy</i>	12 <i>Unit 3-Energy</i>	13 <i>Unit 3-Energy</i>	14
15	16 <i>M.L. King Jr. Birthday</i>	17 <i>Unit 3-Energy</i>	18 <i>Unit 3-Energy</i>	19 <i>Unit 3-Energy</i>	20 <i>Unit 3-Energy</i>	21
22	23 <i>Unit 3-Energy</i>	24 <i>Unit 3-Energy</i>	25 <i>Unit 3-Energy</i>	26 <i>Unit 3-Energy</i>	27 <i>Unit 3-Energy</i>	28
29	30 <i>Unit 3-Energy</i>	31				



# Grade 8 Earth Science Pacing Calendar

February 2017

**Unit 4a:  
Waves and Electricity  
(5 Weeks)**

In this unit students will evaluate wave structure and function. Students will analyze the organization of wave types. Finally, students will evaluate electricity, circuits, magnetism, and electromagnets.

**Unit 4b:  
Waves and Electricity  
(4 Weeks)**

In this unit students will evaluate wave structure and function. Students will analyze the organization of wave types. Finally, students will evaluate electricity, circuits, magnetism, and electromagnets.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
			Unit 4a- Waves and Electricity			
5	6	7	8	9	10	11
	Unit 4a- Waves and Electricity					
12	13	14	15	16	17	18
	Unit 4a- Waves and Electricity				Teacher Professional Learning Day	
19	20	21	22	23	24	25
	President's Day/Winter Break		Unit 4a- Waves and Electricity			
26	27	28				
	Unit 4a- Waves and Electricity					



# Grade 8 Physical Science Pacing Calendar

March 2017

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
			Unit 4a- Waves and Electricity			
5	6	7	8	9	10	11
	Unit 4b- Waves and Electricity			Unit 4 - Extend/Review/Assess/R eteach		
12	13	14	15	16	17	18
	Unit 4b- Waves and Electricity				Teacher Professional Learning Day	
19	20	21	22	23	24	25
	Unit 4b- Waves and Electricity					
26	27	28	29	30	31	
	Unit 4b- Waves and Electricity					
	Cumulative Review - Extend/Review/Assess/Reteach					





# Grade 8 Physical Science Pacing Calendar

April 2017

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5	6	7	8
<i>Spring Break</i>						
9	10	11	12	13	14	15
<b>Cumulative Review - Extend/Review/Assess/Reteach</b>			<b>GA Milestones EOG</b>			
16	17	18	19	20	21	22
<b>GA Milestones EOG</b>						
23/30	24	25	26	27	28	29
<b>GA Milestones EOG</b>			<b>GA Milestones EOC</b>			

**Assessments**

EOG April 13<sup>th</sup>-26<sup>th</sup>

EOC April 28<sup>th</sup>-May 13<sup>th</sup>

Post Administration SLO  
Window—April 27<sup>th</sup>-May  
22<sup>nd</sup>



# Grade 8 Physical Science Pacing Calendar

May 2017

**Units of Instruction**

APS Maymester Science Curriculum

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
	GA Milestones EOC					
7	8	9	10	11	12	13
	GA Milestones EOC					
14	15	16	17	18	19	20
	APS Maymester Science Remediation for Re-Test or Enrichment Curricula STEM Project, ADI, Lab-Aids					
21	22	23	24	25	26	27
	APS Maymester Science Remediation for Re-Test or Enrichment Curricula STEM Project, ADI, Lab-Aids			<i>Last Day of School</i>		
28	29	30	31			
	<i>Memorial Day</i>					

**Assessments**

EOG Retest May 16<sup>th</sup>-20<sup>th</sup>

Spring Post SLO  
April 11<sup>th</sup> – May 20<sup>th</sup>