Grade 6 Unit 3: Astronomy
Pacing Guide using Inspire Science Earth and Space Unit 1
1 day = 40 minute period

Module 1 - All lessons
Module 2 - All lessons

*Optional Activities are shown in red.

*This unit is paced out to 47 days. Teachers will have to make instructional decisions about which investigations and labs to include in order to take time off of the pacing guide. The unit should take 1 marking period total.

Day	Lesson	Inspire Resources	Additional Resources
1	Module 1 Opener	Interactive Presentation Module Pretest Module Vocabulary List	Seasons Brain Pop The Moon - Phases, Eclipses, and Tides Resources and Activities The Moon Nonfiction Reading and Reflection Activities Seasons: Why do we have them? - Gizmo Seasons: Earth, Moon, and Sun - Gizmo Causes of Seasons - Generation Genius
	Module 1 Lesson 1: Season Science Probe	Interactive Presentation	
	Module 1 Lesson 1: Encounter the Phenomenon	Interactive Presentation	
2	Module 1 Lesson 1: Explain the Phenomenon - CER	Interactive Presentation	
	Module 1 Lesson 1: Investigation - Night and Day	Interactive Presentation Collaboration Kit for supplies	
	Module 1 Lesson 1: Read About - How does the Earth move?	Interactive Presentation Reading Essentials Foldables	
3	Module 1 Lesson 1:	Interactive Presentation	

	Investigation - Star Gazing Module 1 Lesson 1: Read About - Why does the view of the sky change over time? Module 1 Lesson 1: Collect Evidence - Part A	 Interactive Presentation Interactive Presentation Revisit CER from beginning of lesson	Earth's Orbit & Rotation - Generation Genius Bill Nye - Earth's Seasons Episode
4	Module 1 Lesson 1: Investigation - Ahead of the Curve Module 1 Lesson 1: Read About - Why is Earth warmer at the equator and colder at the poles? Module 1 Lesson 1: 3D Thinking Question Module 1 Lesson 1: Collect Evidence - Part B	Interactive Presentation Collaboration Kit for supplies Interactive Presentation Interactive Presentation Revisit CER from beginning of lesson	
5	Module 1 Lesson 1: Read About - Why do Earth's season change as Earth orbits the Sun? Module 1 Lesson 1: 3D Thinking Question Module 1 Lesson 1: Read About - What is Earth's season cycle?	Interactive Presentation Interactive Presentation Interactive Presentation	

6	Module 1 Lesson 1: Read a Scientific Text - Meteorological Versus Astronomical Seasons Module 1 Lesson 1: 3D Thinking Question Module 1 Lesson 1: Collect Evidence - Part C	Interactive Presentation Interactive Presentation Revisit CER from beginning of lesson	
7	Module 1 Lesson 1: A Closer Look - Polar Night & Midnight Sun Module 1 Lesson 1: Lesson Review Module 1 Lesson 1: Lesson Check Module 1 Lesson 1: Review CER	Interactive Presentation Interactive Presentation Lesson Check	
8	Module 1 Lesson 2: Phases of the Moon Science Probe Module 1 Lesson 2: Encounter the Phenomenon	Interactive Presentation Interactive Presentation	Bill Nye - The Moon Episode Moon & Its Phases - Generation Genius The Moon - Phases, Eclipses, and Tides Resources and Activities Moon Brain Pop
9	Module 1 Lesson 2: Explain the Phenomenon - CER Module 1 Lesson 2: Investigation - Foil Moon	Interactive Presentation Interactive Presentation Collaboration Kit for supplies	
10	Module 1 Lesson 2: Read	Interactive Presentation	

	About - How are we able to see the Moon? Module 1 Lesson 2: Collect Evidence - Part A Module 1 Lesson 2: Investigation - The Motion of the Moon	Reading Essentials Revisit CER from beginning of lesson Interactive Presentation	Moon Phases Brain Pop Phases of the Moon Gizmo
11	Module 1 Lesson 2: 3D Thinking Question Module 1 Lesson 2: Read About - How does the Moon move?	Interactive Presentation Interactive Presentation Foldables	
12	Module 1 Lesson 2: Lab - Moon Phases	Interactive Presentation Collaboration Kit for supplies	
13	Module 1 Lesson 2: Read About - Why does the Moon appear to change shape? Module 1 Lesson 2: Collect Evidence - Part B Module 1 Lesson 2: Science & Society - Return to the Moon	Interactive Presentation Revisit CER from beginning of lesson Interactive Presentation	
14	Module 1 Lesson 2: Lesson Review Module 1 Lesson 2: Lesson Check	Interactive Presentation Lesson Check	

	Module 1 Lesson 2: Review CER		
15	Module 1 Lesson 3: Eclipses Science Probe Module 1 Lesson 3: Encounter the Phenomenon	Interactive Presentation Interactive Presentation	The Moon - Phases, Eclipses, and Tides Resources and Activities Eclipse Brain Pop Solar & Lunar Eclipses - Generation Genius 3D Eclipse Gizmo Penumbra Effect Gizmo
16	Module 1 Lesson 3: Explain the Phenomenon - CER Module 1 Lesson 3: Lab - Beyond a Shadow of a Doubt	Interactive Presentation Interactive Presentation Collaboration Kit for supplies	
17	Module 1 Lesson 3: Read About - What makes a shadow? Module 1 Lesson 3: Lab - Casting Shadows	Interactive Presentation Reading Essentials Foldables Interactive Presentation Collaboration Kit for supplies	
18	Module 1 Lesson 3: Read About - What is a solar eclipse? Module 1 Lesson 3: Collect Evidence - Part A Module 1 Lesson 3: Read About - What is a lunar eclipse? Total Lunar Eclipse	Interactive Presentation Revisit CER from beginning of lesson Interactive Presentation	
19	Module 1 Lesson 3: 3D Thinking Question	Interactive Presentation	

	Module 1 Lesson 3: Read About - What is a lunar eclipse? Partial Lunar Eclipse Module 1 Lesson 3: Collect Evidence - Part B	Interactive Presentation Revisit CER from beginning of lesson	
20	Module 1 Lesson 3: 3D Thinking Question Module 1 Lesson 3: Investigation - Eclipse Essentials Module 1 Lesson 3: Read About - Why aren't there eclipses every month? Module 1 Lesson 3: Collect Evidence - Part C	Interactive Presentation Interactive Presentation Interactive Presentation Revisit CER from beginning of lesson	
21	Module 1 Lesson 3: 3D Thinking Question Module 1 Lesson 3: A Closer Look - Solar Eclipse Eye Safety	Interactive Presentation Interactive Presentation	
22	Module 1 Lesson 3: Lesson Review Module 1 Lesson 3: Lesson Check Module 1 Lesson 3: Review	Interactive Presentation Lesson Check	

	CER		
23	Module 1 Wrap Up	Interactive Presentation	
24	Module 1 Test		
25	Module 2 Opener Module 2 Lesson 1: Gravity in Space Science Probe Module 2 Lesson 1: Encounter the Phenomenon	Interactive Presentation Module Pretest Module Vocabulary List Interactive Presentation Interactive Presentation	Gravity Brain Pop Gravity in the Universe Resource from NASA Gravity & the Formation of the Universe Resource Galaxies Brain Pop Milky Way Brain Pop
26	Module 2 Lesson 1: Explain the Phenomenon - CER Module 2 Lesson 1: Investigation - What Goes Up Must Come Down Module 2 Lesson 1: Read About - What is gravity?	Interactive Presentation Interactive Presentation Interactive Presentation	
27	Module 2 Lesson 1: 3D Thinking Question Module 2 Lesson 1: Collect Evidence - Part A Module 2 Lesson 1: Read About - What is gravity's role in the formation of stars?	Interactive Presentation Revisit CER from beginning of lesson Interactive Presentation	

28	Module 2 Lesson 1: Lab - Changing Shape Module 2 Lesson 1: Read About- What is the role of gravity in the formation of the solar system? Module 2 Lesson 1: Collect Evidence - Part B	Interactive Presentation Collaboration Kit for supplies Interactive Presentation Revisit CER from beginning of lesson	
29	Module 2 Lesson 1: 3D Thinking Question Module 2 Lesson 1: Careers in Science - History from Space	Interactive Presentation Interactive Presentation	
30	Module 2 Lesson 1: Lab - Elliptical Orbits Module 2 Lesson 1: Read About - How does gravity affect objects that orbit the Sun?	Interactive Presentation Collaboration Kit for supplies Interactive Presentation	
31	Module 2 Lesson 1: Read About - What are galaxies? Module 2 Lesson 1: Investigation - Classification of Galaxies	Interactive Presentation Interactive Presentation	
32	Module 2 Lesson 1: Read About - How are galaxies classified?	Interactive Presentation	

	Module 2 Lesson 1: Collect Evidence - Part C	Revisit CER from beginning of lesson	
33	Module 2 Lesson 1: Lesson Review Module 2 Lesson 1: Lesson Check Module 2 Lesson 1: Review CER	Interactive Presentation Lesson Check	
34	Module 2 Lesson 2: Objects in Our Solar System Science Probe Module 2 Lesson 2: Encounter the Phenomenon Module 2 Lesson 2: Explain the Phenomenon - CER	Interactive Presentation Interactive Presentation Interactive Presentation	Bill Nye - Space Exploration Episode Bill Nye - Planets Episode Bill Nye - Outer Space Episode Bill Nye - Comets & Meteors Episode Telescope Brain Pop Asteroids Brain Pop The Solar System - Generation Genius Solar System Gizmo Planets Digital Learning Activities
35	Module 2 Lesson 2: Read About - What objects make up the solar system? Module 2 Lesson 2: Investigation - Compare the View Module 2 Lesson 2: Read About - How do astronomers observe the solar system?	Interactive Presentation Reading Essentials Foldables Interactive Presentation Interactive Presentation	
36	Module 2 Lesson 2: Collect	Revisit CER from beginning of	

	Evidence - Part A Module 2 Lesson 2: Investigation - Graphing Characteristics	lesson Interactive Presentation	
37	Module 2 Lesson 2: Read About - How do scientists analyze data about the solar system? Module 2 Lesson 2: Lab - Model the Inner Planets	Interactive Presentation Interactive Presentation Collaboration Kit for supplies	
38	Module 2 Lesson 2: Lab - Scale Down	Interactive Presentation Collaboration Kit for supplies	
39	Module 2 Lesson 2: 3D Thinking Question Module 2 Lesson 2: Investigation - Digging Deeper	Interactive Presentation Interactive Presentation	
40	Module 2 Lesson 2: Collect Evidence - Part B Module 2 Lesson 2: Read a Scientific Text - The Incredible Shrinking Mercury is Active After All	Revisit CER from beginning of lesson Interactive Presentation	
41	Module 2 Lesson 2: Investigation - Moons of the Outer Planets Module 2 Lesson 2: Read	Interactive Presentation Interactive Presentation	

	About - What are the other objects in the solar system? Module 2 Lesson 2: Collect Evidence - Part C	 Revisit CER from beginning of lesson	
42	Module 2 Lesson 2: Careers in Science - Pluto Module 2 Lesson 1: Lesson Review Module 2 Lesson 1: Lesson Check Module 2 Lesson 1: Review CER	Interactive Presentation Interactive Presentation Lesson Check	
43	Module 2 Wrap Up	Interactive Presentation	
44	Module 2 Test		
45	Benchmark Review		
46	Benchmark Review		
47	Grade 6 Unit 3 Benchmark		