

Earth Science Pacing Guide 2022-2023

***NOTE:** This guide identifies an **APPROXIMATE** place at which teachers should be in their instruction. Individual pace **MAY VARY** according to student supports and needs.

Quarter 2

Date	Earth Science	CLRI Connections
Week 11 11.14.22 - 11.18.22	Unit 4- Earth in the Solar System Lesson 4.1- Solar System Formation <ul style="list-style-type: none"> ● Exploration 1- The Solar System ● Exploration 2- Solar System Formation ● Exploration 3- Evidence of Earth's Early History 	
Week 12 11.21.22-11.25.22* *11.24.22 - 11.25.22 Thanksgiving Recess	Unit 4- Earth in the Solar System Lesson 4.2- Gravity and Orbits <ul style="list-style-type: none"> ● Exploration 1- Planetary Movement ● Exploration 2- Planetary Motion ● Exploration 3- Gravity and the Motion of Planets 	
Week 13 11.28.22 - 12.02.22	Unit 4- Earth in the Solar System Lesson 4.3- Earth and the Sun <ul style="list-style-type: none"> ● Exploration 1- The Earth-Sun System ● Exploration 2- Solar Energy in Earth's Systems ● Exploration 3- Earth-Sun System and Climate Change 	<ul style="list-style-type: none"> ● Social Studies Connection- Traditional Calendars (p. 226) ● Art Connection- Sun in Art (p. 226)
Week 14 12.05.22 - 12.09.22	Unit 5- Space Lesson 5.1- Observing Matter in Space <ul style="list-style-type: none"> ● Exploration 1- Types of Observations ● Exploration 2- The Doppler Effect ● Exploration 3- Spectra ● Exploration 4- Studying Objects Lesson 5.2- Stars <ul style="list-style-type: none"> ● Exploration 1- Energy and the Sun 	
Week 15 12.12.22 - 12.16.22	Unit 5- Space Lesson 5.2- Stars <ul style="list-style-type: none"> ● Exploration 2- Properties of Stars ● Exploration 3- Star-Forming Regions ● Exploration 4- Matter Transformations in Stars Lesson 5.3- The Universe <ul style="list-style-type: none"> ● Exploration 1- The Scale of the Universe ● Exploration 2- Patterns in the Universe 	<ul style="list-style-type: none"> ● Social Studies Connection- Light Pollution (p. 302)
Week 16 12.19.22 - 12.23.22* *12.26.22 - 1.02.23 Winter Recess	Unit 5- Space Lesson 5.4- Evidence of the Big Bang <ul style="list-style-type: none"> ● Exploration 1- What is the Big Bang Theory? ● Exploration 2- Evidence of the Expanding Universe ● Exploration 3- Evidence from the Early Universe 	
Week 17 1.03.23 - 1.06.23* *1.02.23 Winter Recess	Unit 6- Plate Tectonics Lesson 6.1- Earth's Dynamic Interior <ul style="list-style-type: none"> ● Exploration 1- Evidence of Structure and Composition 	

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	<ul style="list-style-type: none"> ● Exploration 2- Earth's Dynamic Interior Lesson 6.2- Tectonic Plates <ul style="list-style-type: none"> ● Exploration 1- Motion of Earth's Surface ● Exploration 2- Earth's Lithospheric Plates 	
Week 18 1.09.23 - 1.13.23	Unit 6- Plate Tectonics Lesson 6.3- Plate Interactions <ul style="list-style-type: none"> ● Exploration 1- Divergent Boundaries ● Exploration 2- Convergent Boundaries ● Exploration 3- Transform Boundaries ● Exploration 4- Causes of Plate Motion 	
Week 19 1.16.23 - 1.20.23* *1.16.23- MLK Jr. Day	Unit 6- Plate Tectonics Lesson 6.4- Natural Hazards <ul style="list-style-type: none"> ● Exploration 1- Mount St. Helens ● Exploration 2- Hawaiian Islands and Hotspots ● Exploration 3- 1816: The Year Without a Summer ● Exploration 4- Earthquake Hazards 	<ul style="list-style-type: none"> ● In the Community- Hazard Mapping (p. 307J) ● In the Community- Story Telling (p. 307J) ● At Home- Emergency Preparedness (p. 307J) ● Literature Connection- Earthquakes and Volcanic Eruption in Folklore (p. 386)
Week 20 1.23.23 - 1.27.23* *1.24.23 - 1.27.23 Regents Week	Regents Week	