Name: Reynolds, Moon	Grading Quarter: 3	Week Beginning: Week 7 2/17/25-2/21/25
School Year: 2024-2025	Subject: Science	

Monday	Notes:
	Grade 5
	Unit 4:
	Earth and Space Patterns
	Module 1:
	Earth's Patterns and Movements
	Lesson 2:
	Earth's Motion
	Essential Question:
	How does Earth move through space?
		Objective:
		• Students will analyze and interpret data to model the movement of Earth in relationship to other objects in space.
		
		Lesson Overview:
		• Explain
		  ○ Pages 36-38- Inquiry Activity: *Three Cities*
		  ▪ Make a Prediction: How does Earth's motion affect the average temperatures around the world?
		  ▪ Carry Out an Investigation
		  • Research the average high temperature of three different cities around the world. Record the data in the tables.
		  • Analyze Data
		  ○ Create a line graph with three different colors to compare the data.
		  ▪ Communicate Information
		  • How does the timing of the seasons compare in cities north and south of the equator?
		  • What relationship did your find among the temperatures in the three cities?
		  • Analyze the data to explain how the climate patterns of each city are based on its location and the movement of Earth around the Sun.
			Academic Standards:
			5.E2U1.7
			Develop, revise, and use models based on evidence to construct explanations about the movement of the Earth and Moon within our solar system.

Tuesday	Notes: **Grade 5** **Unit 4:** Earth and Space Patterns **Module 1:** Earth's Patterns and Movements **Lesson 2:** Earth's Motion **Essential Question:** How does Earth move through space?	Objective: • Students will analyze and interpret data to model the movement of Earth in relationship to other objects in space. Lesson Overview: • Explore ○ Pages 26-27- Inquiry Activity: *Shadow Measurements* ▪ Materials: • Chalk • Meterstick • Graph paper ▪ Make a Prediction: How will the length and direction of a shadow change during the day? Explain. ▪ Carry Out an Investigation • Students will partner up and go outside to measure the length of their shadows 4 times throughout the day. • Students will record the data into a table. ▪ Communicate Information • How did the length of your shadow change throughout the day? How did this compare to your prediction? • Explain the pattern of change in the length of your shadow. • Describe the path of the Sun across the sky during the day.	Academic Standards: **5.E2U1.7** Develop, revise, and use models based on evidence to construct explanations about the movement of the Earth and Moon within our solar system.
Wednesday	Notes: **Grade 5** **Unit 4:** Earth and Space Patterns **Module 1:** Earth's Patterns and Movements **Lesson 2:** Earth's Motion **Essential Question:** How does Earth move through space?	Objective: • Students will analyze and interpret data to model the movement of Earth in relationship to other objects in space. Lesson Overview: • Explain ○ Page 30- Inquiry Activity: Earth's Movements ▪ Make a Prediction: How do Earth's movements affect the angle of sunlight? ▪ Carry Out an Investigation • Observe the simulation without changing any of the settings. Compare the angle of the sunlight at noon in winter and summer. ○ Page 31-32- Seasons • Students will read the passages.	Academic Standards: **5.E2U1.7** Develop, revise, and use models based on evidence to construct explanations about the movement of the Earth and Moon within our solar system.

Thursday	Notes:
	Grade 5
	Unit 4:
	Earth and Space Patterns
	Module 1:
	Earth's Patterns and Movements
	Lesson 2:
	Earth's Motion
	Essential Question:
	How does Earth move through space?
		Objective:
		• Students will analyze and interpret data to model the movement of Earth in relationship to other objects in space.
		
		Lesson Overview:
		• Evaluate
		  ○ Pages 40-41
		  ▪ Summarize It
		  • Explain how Earth moves through space and how it affects life on Earth.
		  ▪ Three-Dimensional Thinking
		  • Based on what you learned about the patterns of Earth's movement, how does the illustration below show how Earth experiences day and night?
		  • The moon looks completely dark as seen from Earth. What causes a new moon?
			Academic Standards:
			5.E2U1.7
			Develop, revise, and use models based on evidence to construct explanations about the movement of the Earth and Moon within our solar system.

Friday	Notes: **Grade 5** **Unit 4:** Earth and Space Patterns **Module 1:** Earth's Patterns and Movements **Lesson 2:** Earth's Motion **Essential Question:** How does Earth move through space?	Objective: • Students will analyze and interpret data to model the movement of Earth in relationship to other objects in space. Lesson Overview: • Earth's Motion Lesson Quiz	Academic Standards: **5.E2U1.7** Develop, revise, and use models based on evidence to construct explanations about the movement of the Earth and Moon within our solar system.