

Lesson Plan

Subject: Grade 1 Science

Lesson: We Have All the Time in the World

Standards Addressed:

- Earth/moon/sun system (1.E.1)

Objectives:

- Students will recognize the features and patterns of the earth/moon/sun system as observed from the Earth

Materials Needed:

- Device for showing *We Have All the Time in the World* video
- “Earth, Moon and Sun” Activities
- Crayons
- Scissors
- Glue

Outline:

- Prior to this lesson students should understand:
 - The Sun and moon in relation to Earth
 - Seasonal patterns
 - Phases of the moon
- Before the video, have students look over the 3 activities and review some of what you have learned about the Earth, moon and sun.
- Watch the video with students.
- After the video, students may complete the activity sheets individually.

Take It Further: Go to <https://www.scientificamerican.com/article/its-about-time-to-make-a-sundial/> to make and observe a sundial with the students.

Cross-Curriculum Connection: Have the students go outside at different times to experience how the rays of the Sun warm different parts of their skin (or clothing) at different times of the day. Have them stretch towards the direction they feel the warmth. When did the Sun feel the warmest on your skin? When was it coolest? Do you think the Sun will follow the same path next week? Why do you think that? How can we check your prediction? This activity helps them grasp the phenomenon that the Sun appears to change position in the sky.



Earth, Moon and Sun

Grade 1 Science

Name: _____

Date: _____

Activity 1: Circle what day it is today.

Monday Tuesday Wednesday Thursday Friday

Write what time it is: _____ It is morning/afternoon. (Circle one.)

Where are the moon and the sun? Draw what you see. (Never look directly at the sun)

Pick words from the words bank to describe what you see?

Words Bank

Bright sun *Part of the sun* Clouds *Darkness* Fog

Dark shadows *Pale shadows* Stars

Bright moon Whole moon *Half moon* Smiling moon



Earth, Moon and Sun

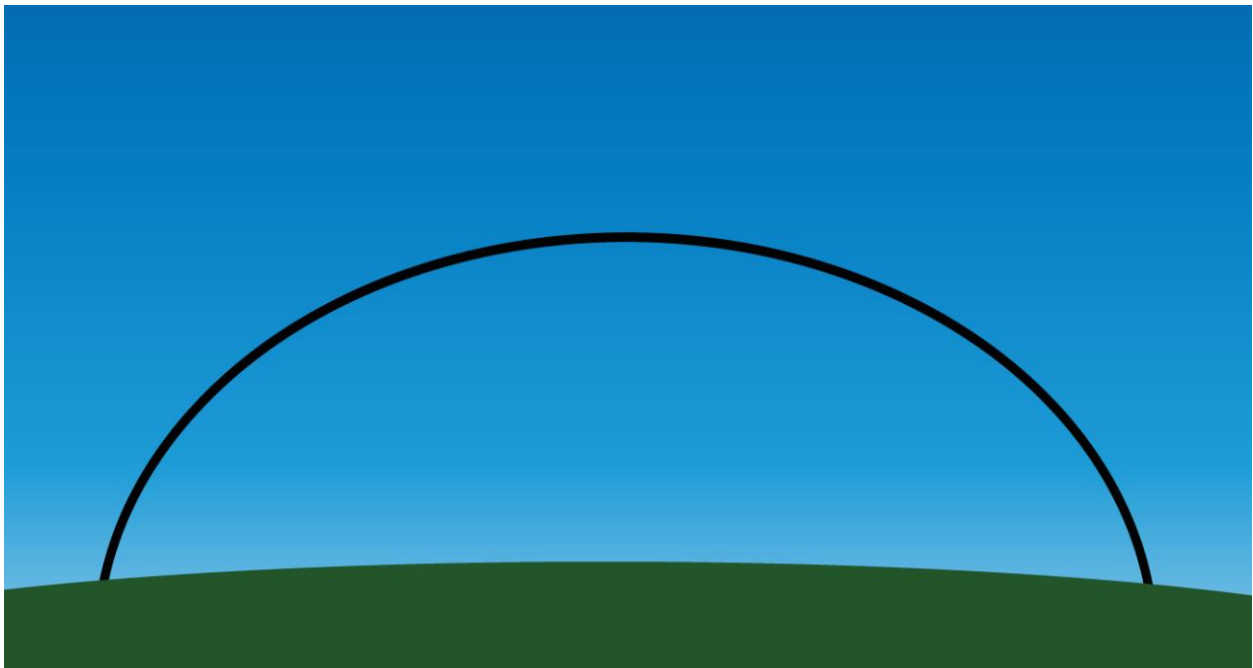
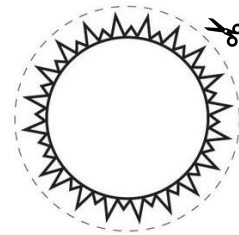
Grade 1 Science

Name: _____

Date: _____

Activity 2: Use the diagram below to answer the questions. Look outside in the morning and before it gets dark. REMEMBER that you should NEVER look at the sun in the sky because it can hurt your eyes.

1. Where does the sun first appear in the sky? Mark an X.
2. Where does the sun last appear in the sky? Mark an O.
3. How does the sun appear to move across the sky? Draw arrows along the path.
4. Cut out the sun above the Sky.
4. Follow the arrows on along the path using your sun.



Earth, Moon and Sun

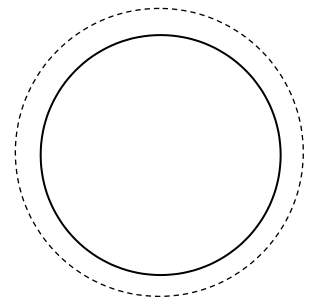
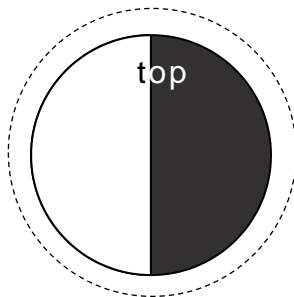
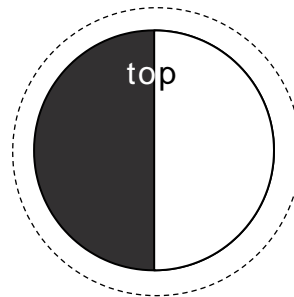
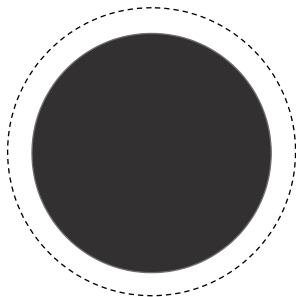
Grade 1 Science

Name: _____

Date: _____

Activity 3: The patterns of the moon happen every 29 and $\frac{1}{2}$ days. Cut out circles with the moon shapes below. Flip them all over and mix them up. Pick up one shape at a time and glue them into the correct box in the chart below.

New Moon	First Quarter	Full Moon	Last Quarter
Dark Moon	Half Moon	Bright Moon	Half Moon



Earth, Moon and Sun

Grade 1 Science

Answer Key

Activity 1: Circle what day it is today.

Monday Tuesday Wednesday Thursday Friday

Write what time it is: _____ It is morning/afternoon. (Circle one.)

Where are the moon and the sun? Draw what you see. (Never look directly at the sun)

Answers will vary depending on the day and time that the child makes observations

Pick words from the words bank to describe what you see?

Words Bank

Bright sun *Part of the sun* Clouds *Darkness* Fog

Dark shadows *Pale shadows* Stars

Bright moon Whole moon *Half moon* Smiling moon



Earth, Moon and Sun

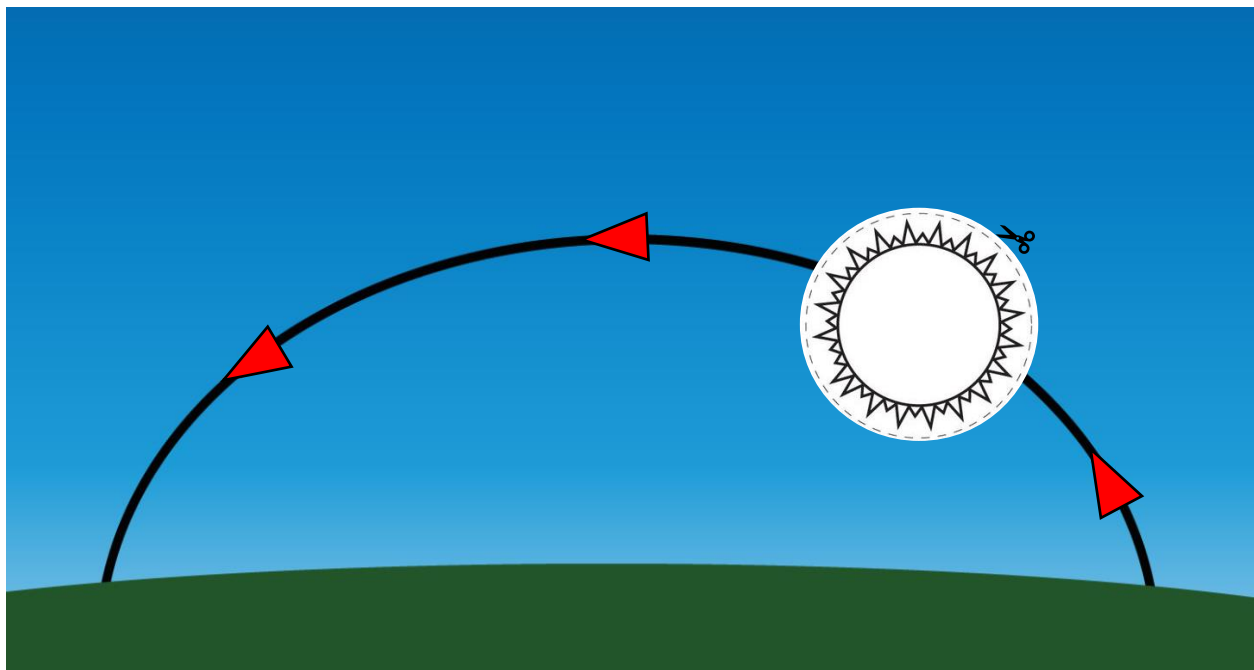
Grade 1 Science

Name: _____

Date: _____

Activity 2: Use the diagram below to answer the questions. Look outside in the morning and before it gets dark. REMEMBER that you should NEVER look at the sun in the sky because it can hurt your eyes.

1. Where does the sun first appear in the sky? Mark an X.
2. Where does the sun last appear in the sky? Mark an O.
3. How does the sun appear to move across the sky? Draw arrows along the path.
4. Cut out the sun above the Sky.
4. Follow the arrows on along the path using your sun.




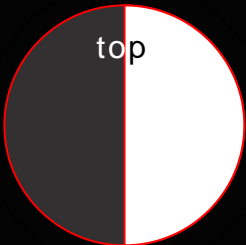
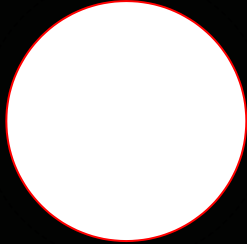
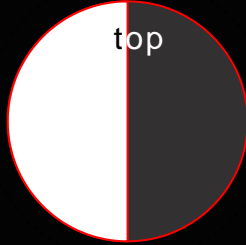
Earth, Moon and Sun

Grade 1 Science

Name: _____

Date: _____

Activity 3: The patterns of the moon happen every 29 and $\frac{1}{2}$ days. Cut out circles with the moon shapes below. Flip them all over and mix them up. Pick up one shape at a time and glue them into the correct box in the diagram below.

New Moon	First Quarter	Full Moon	Last Quarter
			
Dark Moon	Half Moon	Bright Moon	Half Moon