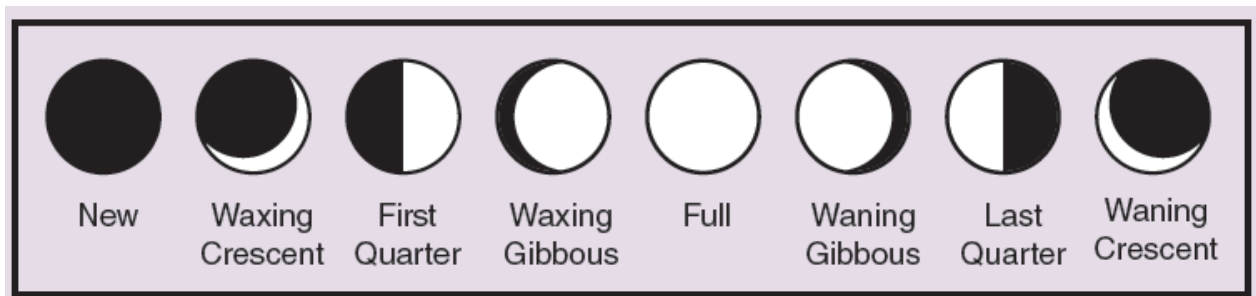


# 1<sup>st</sup> Grade – Earth Science: Sky Watchers

- Week 1
  - **Take Home Science: Nighttime Sky Journal** ([link](#)): Observe the sky at night for 5 days in a row. Make drawings of the sky to record your observations. Do you see any patterns in the sky from your drawings?
  - **Interactive Sky Maps:** Explore the sky from home using these websites:
    - **In the Sky** <https://in-the-sky.org/skymap.php>
    - **Neave Interactive** <https://neave.com/>
- Week 2
  - **Read Literacy Article 2A: Rise and Shine** ([link](#)): Answer the questions to help understand how the Earth's rotation makes the Sun seem to rise and set.
  - **Repeating Patterns in the Sky:** Follow these steps to make a sky pattern headband to wear:
    - Draw small pictures showing the four main times of day: sunrise, noon, sunset, and night.
    - Cut out your drawings and glue them in the correct order to a sentence strip or strip of heavy paper.
    - Staple the ends of the paper strip together to create a headband.
    - What time of day would come next if your pattern was repeated?
- Week 3
  - **Read Literacy Article 3B: Days of Change** ([link](#)): Answer the question to understand why the amount of daylight changes with different seasons.
  - **Cause and Effect with Seasons, Animals and Plants** List ways that plants and animals behave differently during the changing seasons.
    - What happens to trees in the fall? What happens to trees in the spring?
    - What do bears do during winter?
    - Which season is the best for observing insects?
    - Which seasons are best for plants sprouting and flowers blooming?



- Week 4
  - **Read Literacy Article 4A: Sun, Earth, Moon** ([link](#)): What is a system? Why are the Sun, Earth, and Moon a system?
  - **NASA Earth's Moon:** Visit [moon.nasa.gov](https://moon.nasa.gov) to learn about missions to the Moon, images, videos and trackers, and tips on how to observe the Moon.
  - **Observing Moon Phases with Oreos:** Make a model of the Moon phases using Oreo cookies:
    - Open the cookie carefully so the cream is on only one side of the cookie.
    - Use a craft stick or spoon to carefully scoop away the cream to match each of the Moon phase pictures below.



- Week 5.
  - **NASA Kids Club:** Visit <https://www.nasa.gov/kidsclub/index.html> to learn more about NASA, play space games, and learn who is currently on the space station.
  - **Innovators in Science** – Pick a person below, research and write about why they can be called an "innovator in science."
    - Mary Golda Ross – [www.nasa.gov/image-feature/mary-ross-a-hidden-figure](https://www.nasa.gov/image-feature/mary-ross-a-hidden-figure)
    - Rosaly Lopes – [www.science.jpl.nasa.gov/people/Lopes/](https://www.science.jpl.nasa.gov/people/Lopes/)