1st Grade: Patterns in the Sky

Driving Question: How can we as scientists observe patterns and make predictions about what we see in the sky?

Content:

- 1-ESSI-1. Use observations of the sun, moon, and stars to describe patterns that can be predicted.
- 1-ESSI-2. Make observations at different times of year to relate the amount of daylight to the time of year.
- ESSI.A: The universe and its stars patterns of the motion of the sun, moon, and stars in the sky can be observed, described, and predicted.
- ESSI.B: Earth and the Solar System seasonal patterns of sunrise and sunset can be observed, described and predicted.
- 1.MD.C.4 Organize, represent, and interpret data with up to three categories, ask and answer questions about the total number of data points, how many in each category, and how many more or less are in one category than in another.
- 1.MD.B.3 Tell and write time in hours and half-hours using analog and digital clocks.
- RI.1.1 Ask and answer questions about key details in a text.
- RI.1.2 Identify the main topic and retell key details of a text.
- RI.1.4 Ask and answer questions to help determine or clarify the meaning of words and phrases in a text.
- RI.1.10 With prompting and support, read informational texts appropriately complex for grade 1.

Major Products: Students will individually make a Moon Phase Cup, complete a Sun/Shadow Lab and a Moon Phase Plate. They will create a Jeopardy Game about patterns in the sky in a group with their peers.

Public Presentation: Students will work with teams to create their Jeopardy game, and share their game with other students and their own families.