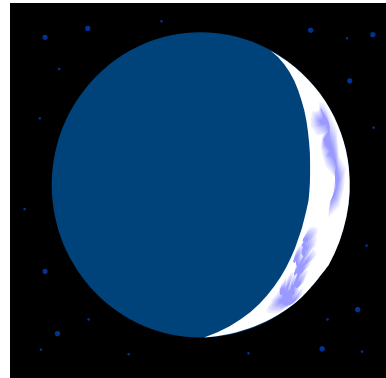
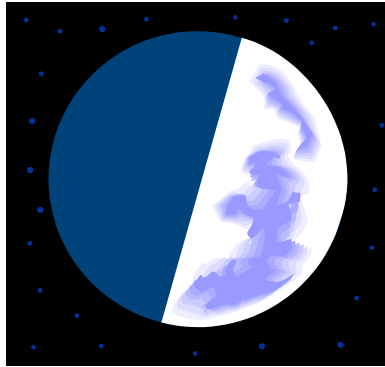


Phases of the Moon



- What do you see when you look at the moon?
- Why does the moon appear to change shapes?



Standard

- Students will understand the effects of the relative positions of the earth, moon and sun.

Element

- a. Demonstrate the phases of the moon by showing the alignment of the earth, moon and sun.

Essential Question

- Why does the moon appear to change shapes?



- Phases
- Moon Cycle
- Waxing
- Waning
- Gibbous
- Crescent
- First Quarter
- Third (Last) Quarter

- **As a table group**, arrange the moon phase cards in the order you would see them during the moon's cycle (28 days).
- Assign a reporter for your group and be prepared to share/justify your groups answers.

Moon Phases Video Clip

- After viewing the video, with an elbow partner complete the 3,2,1 activity
- Discuss
 - 3 interesting facts from the video
 - 2 questions you have
 - 1 reason why you are learning about moon phases

- **Work in groups of**
- **two.**
- **You will need:**
 - It's Just A Phase Task Activity Sheet



Group Norms

- Work towards solutions
- If in doubt, use your partner(s) as a resource. Questions should only be posed to the teacher when your group can not reach a consensus.
- Assign roles
 - Materials Expert
 - Reporter



- Differentiate between a solar and lunar eclipse.
- How are the earth, sun, and moon arranged during solar and lunar eclipses?

If you did not complete your Analysis Questions...

- Finish them for H.W.

Review Your Work

- As a group, review your response to the mini lesson activity. Make any adjustments to your work based on today's lesson. Once you are satisfied with your answers, glue the cards on the paper. Turn in your paper as you leave today.

- Tomorrow we will continue exploring the phases of the moon.
- Homework: (Select one)
 - Moon Phases Handout
 - In one paragraph, respond to the following question:
 - Why does the moon appear to change shapes?