

# Moon Quiz: Distance Learning Activities

May 11th- May 15th Lesson Plan for Grade 7, Science

Prepared by Mrs. Higgins

## OVERVIEW & PURPOSE

The student will be able to describe the relationship between the Earth, Moon and Sun, including Moon phases and eclipses. Students will be answering quiz-like questions daily. Circle the answer that you choose or submit a response on google classroom.

## MONDAY

1. Eclipses do not occur every month because:
  - a. The moon takes longer than a month to revolve around the Earth
  - b. The moon's axis is tilted 23.5degrees
  - c. The moon's orbital path is tilted 5degrees
  - d. An eclipse cannot happen during the day
2. During a solar eclipse:
  - A. The Earth blocks the sunlight and casts a shadow on the moon
  - B. The moon blocks the sunlight and casts a shadow on the Earth
  - C. The sun temporarily stops shining
  - D. The moon casts a shadow on the sun

## TUESDAY

3. During a lunar eclipse:
  - a. The Earth blocks the sunlight and casts a shadow on the moon
  - b. The moon blocks the sunlight and casts a shadow on the Earth
  - c. The sun temporarily stops shining
  - d. The moon casts a shadow on the sun

4. A solar eclipse might occur during which lunar phase?

- A. Full Moon                      B. New Moon                      C. First Quarter                      D. Third Quarter

## WEDNESDAY

5. A Lunar eclipse might occur during which lunar phase?

- B. Full Moon                      B. New Moon                      C. First Quarter                      D. Third Quarter

6. Because of the difference in the sizes of the moon's and Earth's penumbra,

- a. Total Solar Eclipses last longer than total lunar eclipses
- b. Total Lunar Eclipses last longer than total solar eclipses
- c. Total Solar Eclipses and Total Lunar Eclipses last the same amount of time
- d. Annular Eclipses last the longest

## THURSDAY

7. This term refers to the part of an Eclipse shadow that causes a total eclipse  
A. Umbra                      B. Penumbra                      C. Corona                      D. Solar shadow
8. This term refers to the part of an eclipse shadow that causes a partial eclipse  
A. Umbra                      B. Penumbra                      C. Corona                      D. Lunar shadow

## FRIDAY

*The day you all have been waiting for...*

1. Kahoot! Challenge At 10:00 AM-4:00PM. You can complete the challenge any time between 10:00am and 4:00pm
2. Bring your Moon phases and Eclipse knowledge!
3. I will post the game code in the google classroom and send it out through Remind.

\*If you are not able to participate in Kahoot! Please create three quiz questions, with answers and ask some family members. See who can get them all right! Keep the questions in your binder.

## STATE STANDARD

Strand 6: Earth and Space Science Earth and Space Science provides the foundation for students to develop an understanding of the Earth, Concept 3: Earth in the Solar System Understand the relationships of the Earth and other objects in the solar system.

PO 2. Construct a model for the relative positions of the Earth, Sun, and Moon as they relate to corresponding eclipses.

# Space ENRICHMENT: Distance Learning Activities

*May 18th- May 22nd Lesson Plan for Grade 7, Science  
Prepared by Mrs. Higgins*

## OVERVIEW & PURPOSE

Students can do these activities for enrichment and do not need to submit them for grading.

### Knowing More About Space...

In this activity, you will be looking into a space topic that you choose, learning about it, and then sharing with whomever you would like, family, friends, youtube... up to you..(If you would like to record it and upload to google classroom, I would love to see it!). You may work in groups of 2 or 3 to create an informational presentation about your topic, if you are able. There are many formats that you could use to present.

### Topic List:

- Black Holes
- Solar Systems Besides Ours
- Comets
- If Meteorite Hit Earth
- Stars
- Universe
- Extraterrestrial Life (aliens!)
- Human Space Exploration
- Astronaut Life
- Space Shuttle Re-entry
- Human Body in Space
- Space Suits
- Training for Space
- Communication from Space
- Science in Space

### Some Presentation Format Ideas:

- Skit
- Comic
- Interview / Talk Show
- Brochure
- Newspaper Article
- Song / Rap
- Google slides

You May Want to Include the Following:

1. Topic Stated
2. 5 interesting facts about topic
3. Neatness of writing/drawing
4. Presentation (clear, prepared, informational)
5. Creativity

I have never had a school year like this one and I will never forget how wonderful my 7th graders were during the COVID-19 pandemic. I love you all and words cannot describe how proud I am to have you as students. Please come back and visit!