
My NASA Data - Interactive Models

Explore Solar Eclipses

Grade Band

- 6-8

Time

- 30 minutes

Directions

Remember to never look directly at the Sun without proper safety equipment.

Make observations about the objects, size, distance, and motion of the Sun, Earth, and Moon during a solar eclipse and manipulate slides to show the relationships.

Procedure:

1. Open the [Explore Solar Eclipses](#) slide deck.
2. Use the slides in "edit" mode so you can move items on the screen.
3. Read the content and follow the directions to move images.
4. Submit results as directed by your instructor.

Teacher Note

Teachers who are interested in receiving the answer key, please complete the [Teacher Key Request and Verification Form](#). We verify that requestors are teachers prior to sending access to the answer keys as we've had many students try to pass as teachers to gain access.



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NGSS Three Dimensional Learning

NGSS Disciplinary Core Ideas

- ESS1B: Earth and the Solar System

Crosscutting Concepts

- Patterns

Science and Engineering Practices

- Developing and Using Models

Learning Objectives

Model the relationship between the Sun, moon and Earth during a solar eclipse.

Essential Questions

What is a solar eclipse?

Google Slide interactive Files

[Explore Solar Eclipses Interactive](#)