My NASA Data - Interactive Models

What is Space Weather?

Grade Band

- 6-8
- 9-12

Time

- > 90 minutes

Directions

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

Use the slide deck to look at NASA images and visualizations of space weather.

1. Open the "What is Space Weather?" Interactive Slide Deck.
2. Use the slides in edit mode in order to manipulate the slides.
3. Summarize your findings on the last slide.

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

- ESS2A: Earth Materials and Systems
- ESS3C: Human Impacts on Earth Systems

Crosscutting Concepts

- Systems and System Models
- Stability and Change

Science and Engineering Practices

- Developing and Using Models

Learning Objectives

- Students will identify the causes of space weather.
- Students will describe the hazards of space weather.

Essential Questions

1. What is space weather?
2. How does space weather affect Earth?

Google Slide interactive Files

What is Space Weather? Slides