My NASA Data - Interactive Models

Sky Color and Visibility StoryMap

Grade Band

- 3-5
- 6-8
- 9-12

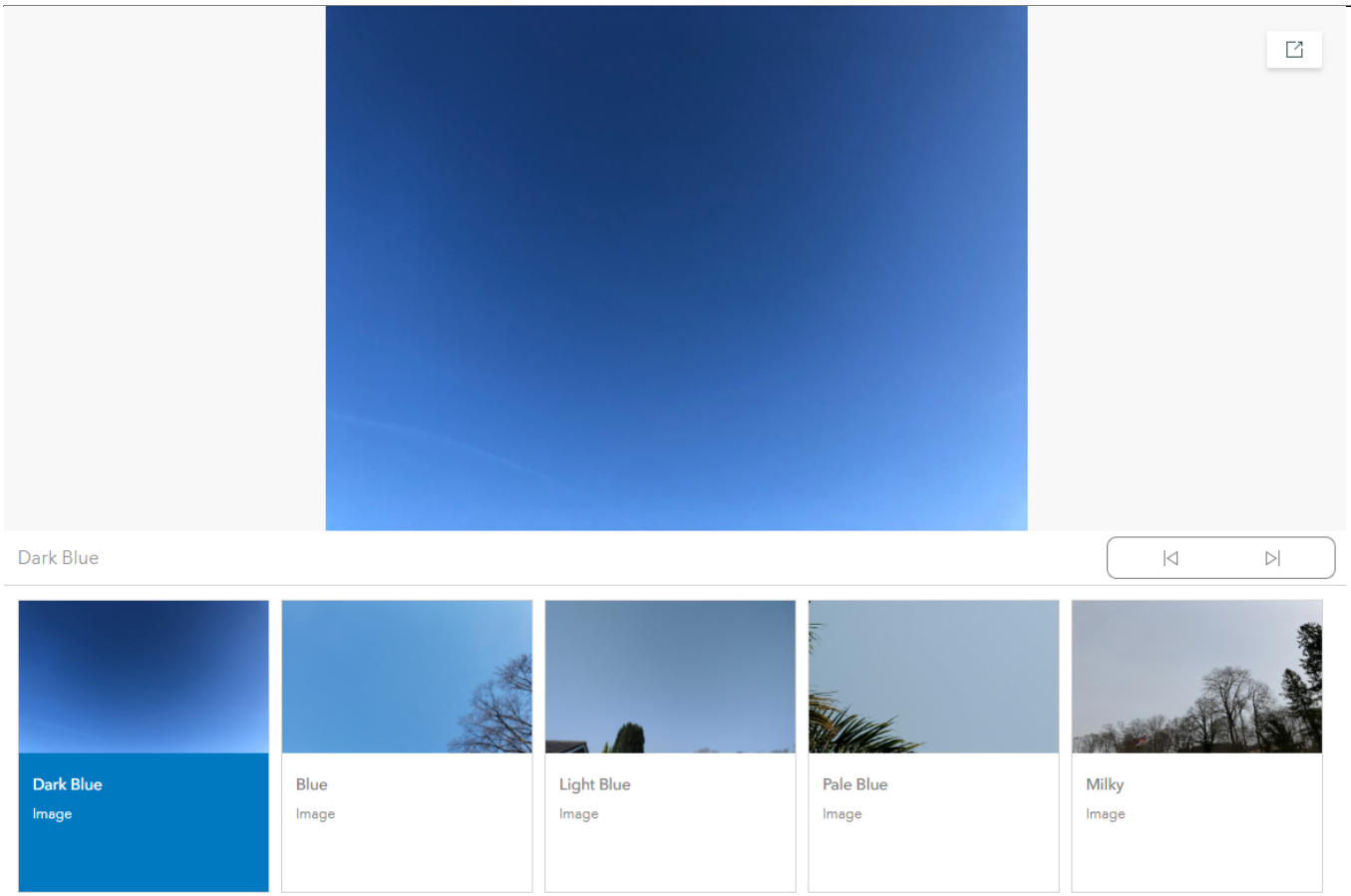
Time

- 30 minutes

Directions

In this lesson, students explore the effect of aerosols on sky color and visibility by using an interactive virtual model. There are questions throughout the activity to assess students' understanding.

Visit the Sky Color and Visibility Interactive Model to access the slides of the model, and answer the student questions located in each section.



CLICK HERE

Teacher Note

Background information is provided in the Teacher Key.

THE GLOBE PROGRAM

This virtual lesson is modified from the original Elementary GLOBE Learning Activity Why (Not) So Blue? created by the UCAR Center for Science Education. There is an activity mat (poster) for the original activity.

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.

NGSS Three Dimensional Learning

NGSS Disciplinary Core Ideas

- ESS2A: Earth Materials and Systems
- ESS2D: Weather and Climate

Crosscutting Concepts

- Patterns
- Cause and Effect

Science and Engineering Practices

- Developing and Using Models
- Planning and Carrying out Investigations
- Constructing Explanations and Designing Solutions

Document Resources

- GLOBE Elementary Activity: Why (Not) So Blue?

Google Docs Interactive Files

Guide to Using Google Forms with My NASA Data

Google Forms Interactive Files

Student Form