
My NASA Data - Interactive Models

El Niño Southern Oscillation Interactive

Grade Band

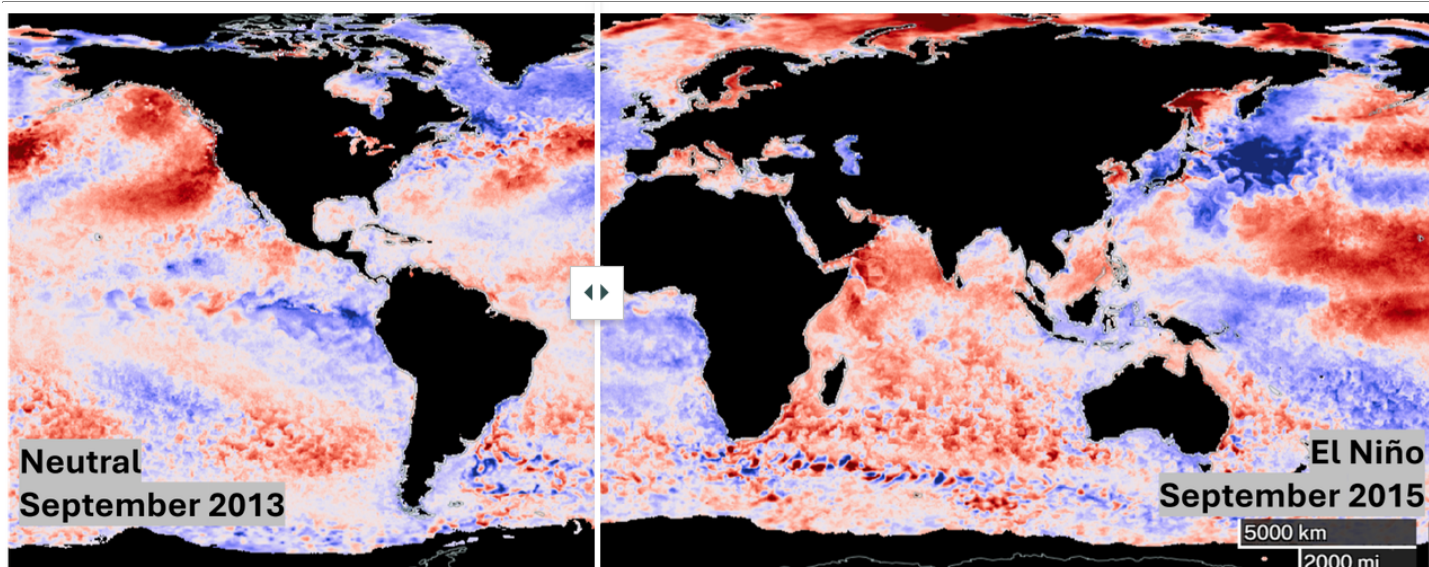
- 3-5
- 6-8
- 9-12

Time

- 15 minutes

Directions

1. Using an internet accessible device, students open the link to the [El Niño Southern Oscillation Interactive](#) to begin their exploration of this phenomenon.
2. Distribute the [Student Data Sheet](#) (optional). Have students navigate on their own through the interactive model to answer the questions and complete the activities on their student sheet.



[CLICK HERE](#)

NGSS Three Dimensional Learning

NGSS Disciplinary Core Ideas

- ESS2A: Earth Materials and Systems
- ESS2C: The Role of Water in Earth's Surface Processes
- ESS2D: Weather and Climate

Crosscutting Concepts

- Patterns
- Systems and System Models

Science and Engineering Practices

- Developing and Using Models
- Analyzing and Interpreting Data
- Constructing Explanations and Designing Solutions

Learning Objectives

- Students will learn some important indicators of El Niño and La Niña years by viewing maps and animations of sea surface temperature.
- Students will analyze data, identify patterns, and learn about anomalies.
- Students will make a prediction.

Google Docs Interactive Files

