

# My NASA Data - Lesson Plans

## Hurricanes as Heat Engines Story Map: Lesson Plan

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Hurricanes as Heat Engines

#### Hurricanes as Heat Engines

**Purpose:**  
This story map provides authentic sea surface temperature data and visualizations, and allows students to explore the energy exchange that occurs when hurricanes extract heat energy from the ocean surface.

**Phenomenon:** Hurricane Dynamics

**Sphere(s):**

- Atmosphere
- Hydrosphere

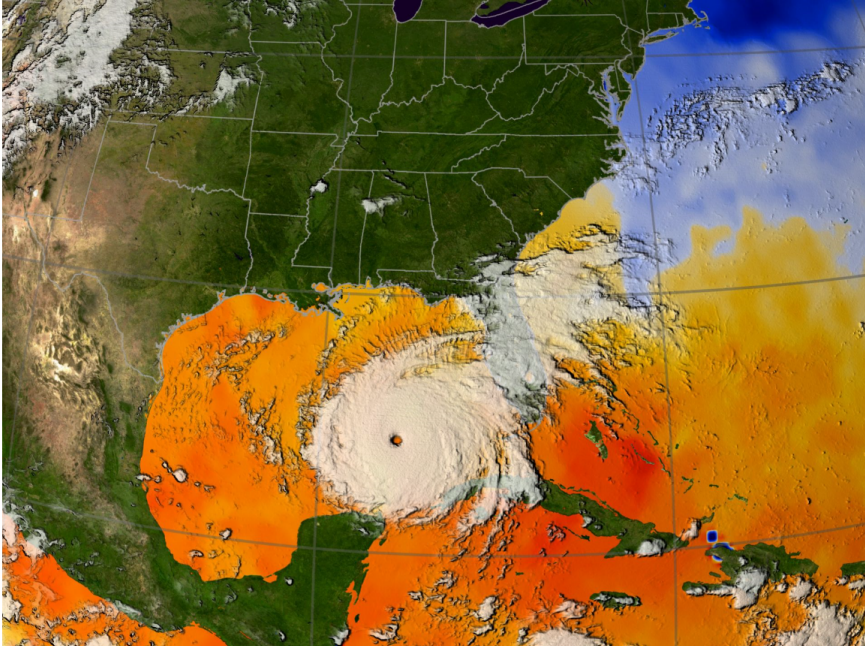
**Essential Questions:**

1. How is the development of a hurricane affected by sea surface temperature?
2. How does energy flow through the various stages of hurricane development?
3. How does a hurricane affect the different spheres within the Earth System?

**Estimated Time for Completing Activity:** 90 Minutes

**Tasks:**

- Practice making line plots and data maps.
- Make a claim about the relationship between hurricane formation and sea surface temperature.



## Overview

This content has been moved. You can find it under [Hurricanes as Heat Engines Story Map](#) link.