Engaging with Data Visualizations
Air Temperature

Overview

Students investigate air temperature data across different, mystery locations. Students are introduced to data visualizations. *Note: this student activity explicitly applies the 3 Levels of Engagement with Data.*

Learning Outcomes

Students will be able to:

- Orient to, interpret, and synthesize air temperature data across different mystery locations.

Data Resources:

- This activity has students engage in explorations of real-time and archived water quality and weather data collected as part of the National Estuarine Research Reserve (NERR) System Wide monitoring Program (SWMP).

NGSS and Climate/Ocean Literacy Connections

- **Disciplinary Core Ideas**: MS.ESS2.D: Weather and Climate
- **Science and Engineering Practices:** Analyzing and Interpreting Data
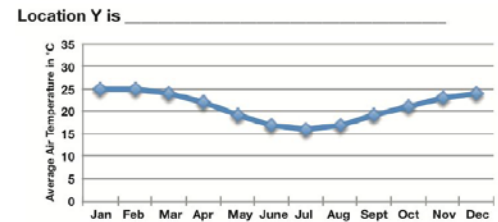- **Crosscutting Concepts:** Patterns

Engaging with Data Visualizations - Air Temperatures from Different Locations Activity

Procedure

1. Interpret the air temperature data plots to determine where they are from in the world.
2. Answer the questions on each handout.

Data Graph

Air Temperature (°C) Over Time for Location Y

Location Y is _____

Air Temperature (°C) Over Time for Location Z

Location Z is _____