GRADE 4 SCIENCE FAIR

Presentation Outline

You will present what you have learned about mangroves at the science fair. Use the following outline to help you identify key ideas to include in your presentation.

A. Line Transect Activity at the Mangrove Swamp

1. What was the question that you tried to answer through the line transect activity?

2. What was your hypothesis?

3. Where did you go to set up your line transect?

4. What materials did you use to set up the line transect?

5. What steps did you go through to collect data?
   First, we _____.
   Then, we _____.
   Afterward, we _____
   _____.
   Finally, we _____.

6. What did you observe at the line transect?

7. What data did you collect? Provide a summary of the data collected.

8. How did you represent your data on a graph? Provide a summary of what the graph looked like, and what it showed.

9. Refer to your hypothesis to the question. How did the data answer the question? Did the data confirm your hypothesis? What is your conclusion based on the line transect data?

B. Why Are Mangroves Important?

Review the following essential questions with your group.

- What are the physical characteristics of mangroves?
- What plants and animals are most commonly found in mangrove swamps?
- How is a mangrove ecosystem related to other ecosystems?
- What do humans and other living things get from mangrove ecosystems?

Use the space below to list your answers to the above questions:

Based on the answers to the questions, how do we know mangroves are important?

What types of visuals (e.g., drawings, photos, real-life samples) can you include to support your answers?

Example Layout of Science Fair Presentation

Title: Why are mangroves important?	Title: Line Transect Activity
	Question
Answers to the Essential Questions and Connection to Show Importance of Mangroves	Hypothesis
	Data Collection: Location and Steps
	Data: Table
Visual Supports to Represent Answers	Data: Graphs
	What Do the Table and Graph Tell you?
	Conclusion