

# SCIENCE FAIR PRESENTATION OUTLINE

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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?

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2. What was your hypothesis?

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

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

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5. What steps did you go through to collect data?

First, we \_\_\_\_\_.

Then, we \_\_\_\_\_.

Afterwards, we \_\_\_\_\_.

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Finally, we \_\_\_\_\_.

Grade 4: Grade-Level End Task

6. What did you observe at the line transect?

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

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

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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?

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Grade 4: Grade-Level End Task

**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?

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

Example Layout of Science Fair Presentation

<p>Title: Why Are Mangroves Important?</p> <p>Answers to the Essential Questions and Connection to Show Importance of Mangroves</p> <p>Visual Supports to Represent Answers</p>	<p>Title: Line Transect Activity</p> <p>Question</p> <p>Hypothesis</p> <p>Data Collection: Location and Steps</p> <p>Data: Table</p> <p>Data: Graphs</p> <p>What Do the Table and Graph Tell You?</p> <p>Conclusion</p>
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