

# MANGROVES: GRADE-LEVEL END TASK

Grade 3

## ESSENTIAL QUESTIONS: WHY ARE MANGROVES IMPORTANT?

- How can we share the importance of healthy mangroves with the community?

## LEARNING GOALS

What should learners know and be able to do by the end of the lesson?

Students will be able to:

- Describe characteristics and components of a healthy mangrove
- Agree on the characteristics and components of a healthy mangrove to be included on the mural
- Work collectively to create a mural illustrating a healthy mangrove

**Approximate Length of Lesson: Four to Five 45-minute class sessions**

**Approximate Number of Minutes: 180 to 225 minutes**

## BENCHMARKS

Sci.1.3.4 Work individually or in teams to collect, compare, and share information, data, and ideas.

## SUMMATIVE ASSESSMENT

Completed mural of a healthy mangrove

## FORMATIVE ASSESSMENT TOOLS

- Responses to discussion on healthy mangroves
- Decisions on what to include on mural
- Draft mural on poster

## FOCUSED LANGUAGE FEATURES: VERNACULAR + ENGLISH

Language Functions	Related Sentence Structures / Patterns (Examples)	Vocabulary
<b>Describe</b> characteristics and components of a healthy mangrove	A healthy mangrove is _____. A healthy mangrove has _____.	
<b>Suggest</b> ideas for mural	What if we _____? I suggest we _____.	
<b>Agree</b> with others	I agree that _____. I think _____ is right.	
<b>Ask</b> for clarification/more information/help	What does _____ mean? How do I _____? Could you help me with _____?	

## LEARNING SEQUENCE

## Lesson: Mural of a Healthy Mangrove

## Prior to lesson

- Work with school admins, staff, and community members to determine location of the mural (at school? On a wall of a specific building? On a wall at a public space?)
- Work with school admins, staff, and community members to get the resources needed to create a mural (e.g., paint, paintbrushes)

## Activate Prior Knowledge

- Review the song about healthy ecosystems from lesson 4
- Review the drawings of healthy ecosystems from lesson 4. Ask students to describe characteristics and components of a healthy mangrove.

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**Mural Project**

- Explain to students that for the end of unit project, they will create a mural to share information with others on a healthy mangrove.
  - Discuss and brainstorm ideas on what the healthy mangrove will look like (e.g., roots, leaves, size, color), and what it will include (e.g., living things). What are people doing in a healthy mangrove swamp? What do the surrounding environments look like (e.g., coral reef, mountain forest)?
  - Refer to the line transect and observations collected from Lesson 3. Use the quadrant information to decide as a class the mangrove area for the mural, and use the observations to decide as a class the characteristics of the mangrove for the mural.
  - Create a draft mural on poster paper as a class.
  - Assign each student pair with a mangrove area that corresponds to their quadrant from lesson 3, and have them create that specific section of the mural.
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**RESOURCES**

- Songs and drawings from lesson 4
- Data and graphs from lesson 3
- Paint
- Poster paper
- Wall space