

Eco-Explorers Virtual Field Trip

Aquatic Resources Education Center, 2520 Lighthouse Road, Smyrna, DE 19977

Plants in the Tidal Salt Marsh - Teacher Notes

This unit introduces students to a variety of plants that live in the tidal salt marsh and how they are adapted to live there.

Students should view the **Plants in the Tidal Salt Marsh** vocabulary words PowerPoint, which explains the vocabulary words used in this unit.

After they view the vocabulary words PowerPoint your students should watch the [Tidal Salt Marsh Plants](#) video. There is a link to the **Tidal Marsh Plants** video on the last slide of the **Plants in the Tidal Marsh** vocabulary words PowerPoint.

After viewing the video, students can do the following activities:

1. Plant Riddles

Students can learn about some salt marsh plants by using the **Plant Information Cards** to figure out the plant riddles.

Materials needed:

- **Plant Riddles** sheet
- **Plant Information Cards** PowerPoint

2. Celery Scientist

Students can do an experiment to see that a plant that is not adapted to live in an environment with salty water (celery) will wilt if it is placed in salty water.

Materials needed:

- **Celery Scientist** experiment instruction sheet
- Blank sheet of paper and pencil
- Two cups or mugs, large enough to hold 8 ounces (one measuring cup) of water
- Measuring cup
- Water
- One piece of celery
- Two tablespoons of salt
- Measuring spoon

3. Plants – Where in the Marsh: plant placement activity

Students can use the information they learned about tidal salt marsh plants to decide where each plant is likely to grow in the ecosystem. They then draw the plant in the proper location and answer 3 questions about plant adaptations related to where they grow.

Materials needed:

- **Plants – Where in the Marsh** activity pages
- Pencils, crayons or colored pencils
- **Plant information cards**

Assessment

Quiz about plants in the tidal salt marsh

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