

Welcome to the Pollination Department! PowerPoint

Essential Question:

What is the Garden Earth Pollination Department?

Getting Ready:

Set up the equipment necessary for showing the PowerPoint presentation. Pull the pollination eco-service worker cards listed in the 'Supplies' column. Explain that the Pollination Department is one of many eco-service departments that make up every ecosystem on earth. Review the powerpoint script (on the GEN CD) prior to your Club session.

Procedure:

1. Explain that the Pollination Department is one of many eco-service departments that provide services to every ecosystem on earth. Many organisms live and work in this department. Show learners the pollination eco-service worker cards. (see list of pollinator cards in Supply list) Briefly introduce the worker on each card. Explain that we will be learning more about these pollination workers in this module. Ask children if they have seen any of them at our club site. What job do these animals do? Address the fact that many people are afraid of some insects, but that we will be learning how they are important and most are not harmful.

2. Present the PowerPoint presentation. It introduces the major concepts of the Pollination Department as follows:

- Plants require help from animals, wind or rain in order to reproduce.
- Plants give animals rewards, such as pollen and nectar, as a lure to visit their flowers.
- Plants and animals have adapted to work together.
- Pesticides, when inappropriately applied to crops, kill many beneficial insects, such as pollinators.
- Pollinators are essential for fruits, seeds, or new generations of flowering plants.

Discussion/Assessment:

Pass out the Eco-Service cards to students or groups of students.

Have the students line up at the front of the room.

Are all of these pollinators insects? Which is not?

What are some other pollinators that we learned about today that are not pictured on these cards?

What have we learned about these workers and the jobs they do on Garden Earth?

What would Garden Earth be like without these helpers?

What help do plants get to enable them to reproduce?

How do plants get animals to come to them?

What threats face pollinators?

Can you name some pollinators?

What would happen if there weren't any pollinators?

Location: indoors

Objectives: Learners will

- 1) demonstrate curiosity about the major concepts related to the pollination department

Skills: communication, listening, analysis

Supplies:

- PowerPoint on CD
- LCD projector
- Monitor

Eco-service Worker Cards

- Bumble Bee
- Paper Wasp
- Honey Bee
- Longhorn Beetle
- Bee Fly
- Monarch Butterfly
- Hover Fly
- Ruby-throated Hummingbird

Subjects: language arts, science

Time: 20 minutes

