

Insects!

Learning Profile of Students:

Students will be in grades Pre-K to 4th grade.

PA Core Standards:

Standard - 4.1.PK.A

Identify living and nonliving things in the immediate and surrounding environment.

Standard - 4.1.PK.E

Identify the change of seasons in the environment.

Standard - 4.1.1.D

Identify living things that are threatened, endangered, or extinct.

Standard - 4.1.3.D

Identify organisms that are dependent on one another in a given ecosystem.

- Define habitat and explain how a change in habitat affects an organism.

Prerequisite skills/knowledge needed for this lesson:

Students will need to know the names of a few common insects.

Materials Needed:

- Book
- Live insects in containers
- Magnifying glasses
- Insect kit with insect glasses
- Butterfly costume
- Bee costume

Teaching Procedure/Sequence:

Anticipatory Set:

- Suzanne Black from BCCD, I am a Conservation Education Specialist. I do programs for schools, libraries and scouts.
- Safety review: hand wash pledge, treat insects gently, do not shake or open containers

-We are going to talk about insects today, look at insects, and see what it's like to live life like a bug!

Development:

Read Story

What is an insect?

- Six legs

- Body has three parts
 - Head
 - Thorax
 - Abdomen
- Antennae
- Four wings
- Exoskeleton

We are going to explore insects

- Do not shake them, they get scared and feel pain just like you do
- Look at the parts, count the legs, look for antennae
- Is this an insect? Why or why not?
- Slug or earthworm: is this an insect? No, it doesn't have an exoskeleton
- Discuss exoskeletons, show armor

Insect body part song:

Head and Thorax Abdomen, Abdomen

Head and thorax abdomen, abdomen

Six legs, four wings, and an exoskeleton

Head and thorax abdomen, abdomen!

And antennae too!

Butterfly life cycle:

- Discuss the life cycle of a butterfly and have students do the movements through the life cycle

Pollinators:

- necessary to have food to eat
- Parts of a flower
- Process of pollination (suited to their age)
- Wearing the bee suit, I will lead the students around to "flowers" and we will pollinate them

Closure:

- Insects keep us alive
- Song: Insect Song Youtube
 - o Insects have, an Exoskeleton
 - o They have a head, a thorax and an abdomen
 - o Most have wings but they all have six legs
 - o They have 2 antennae and they lay a lot of eggs

- Bees say! (BZZZ) Bees say! (BZZZ) Bees Say! (BZZZ)
- Crickets say! (chirp chirp) repeat repeat
- Move like a bug, move like a bug, move like a bug
- Now Dance like a bug dance like a bug dance like a bug

Adaptations for students with special and individual needs:

Lessons will be adapted as per student's IEP.

Evaluation of Student Learning:

Student learning will be evaluated by in-class questioning during the lesson.

Self Evaluation of Teaching: