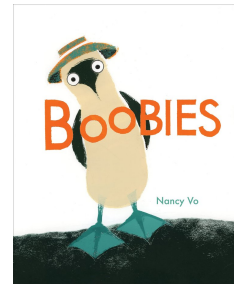




Boobies



Nancy Vo

STEM Project: Building an Insect Hotel

Procedure:

1. Gather the following materials:

- A small wooden box or container
- Natural materials like twigs, sticks, pinecones, and bark
- Small tubes or straws
- Cardboard or paper rolls
- Scissors
- String or wire
- Glue or tape

2. Start by preparing the insect hotel structure:

- Cut the cardboard or paper rolls into smaller sections.
- Arrange the natural materials inside the box to create different compartments, using twigs, sticks, pinecones, and bark.
- Place the small tubes or straws vertically in one compartment to act as hiding spots for bees or other insects.

3. Assemble the insect hotel:

- Securely attach the sections of the cardboard or paper rolls to the inside of the box using glue or tape.

- Tie or wire the box shut, ensuring the materials are tightly packed.

4. Place the insect hotel in a suitable location:

- Find a quiet and sheltered area in your backyard or garden.

- Position the insect hotel at a height appropriate for observing and attracting insects.

5. Observe and record your findings:

- Regularly check the insect hotel to see which types of insects have taken up residence.

- Use a magnifying glass or a camera to document and identify the insects you find.

- Make notes about their behaviors and interactions with the insect hotel.

Questions to Increase Critical Thinking Skills:

1. How do you think the different materials used in the insect hotel attract specific types of insects?

2. Why is it important to provide shelter for insects in our environment?

3. What adaptations might insects have developed to survive in their specific habitats?

4. If you were an insect, which features would you look for in an ideal habitat, and why?

5. How could you modify the insect hotel to attract a wider variety of insects?

Explanation of STEM Features:

Science: This project encourages students to observe and document the behavior of different insects, helping them understand the importance of habitats and the diversity of species.

Technology: Students can use magnifying glasses or cameras to capture images of the insects and their interactions with the insect hotel.

Engineering: Building the insect hotel requires problem-solving skills, as students arrange materials to create suitable compartments for different insects.

Mathematics: Students can collect data on the types of insects found in the insect hotel and create graphs or charts to analyze their findings.