

What's in the Gardens?

Objective: Students will become familiar with the specific features of the Pollinator Garden and the Fragrant Garden. This includes the flowering plants in the garden and active pollinators in the garden. This lesson aims to teach students about how different parts of the garden are interconnected while giving them an understanding of distinct plants and their features.

Materials: Worksheet and dice (on following pages), pencil/pen, clipboards

Elementary School

At the Foodway

Skills: Teamwork,
Observe/Compare,
Communication

Subject: Science

Science Standards: S5,
S7, S8

Time: 25 minutes

ACTIVITY SUMMARY

Students will observe and compare characteristics of plants, pollinators, and other features of the fragrant and pollinator gardens. After fact gathering about their assigned plant/creature, students will report back to the group to share what they've discovered.

PREP

Print and assemble "Garden dice." Print worksheets.

PROCEDURE

1. Divide the students into small groups with no more than 10 students in each group.
2. Have one student from each group roll the die and share with their group the plant or creature their group will research. Make sure there are no repeated items.
3. Hand out worksheets for data collection.
4. Guide students in finding and exploring their plant or creature and answering the questions on their fact gathering worksheet.
5. Allow groups to discuss amongst themselves and observe their plant or creature.
6. Have the groups decide who will report back or assign someone.
7. Bring the students back together and lead groups in sharing the name and a few features of their plant or creature.

Vocabulary words:

Pollinator: an animal that moves pollen and can effect pollination

Pollination: the transfer of pollen grains from one flower to another that leads to seed formation.

Stem: the tubes that carry water through a plant. The stem is like a flagpole, holding the leaves and flowers above the soil so that they can get plenty of sunlight.

Leaves: the leaves are the food-making factories of the plant. Unlike animals, plants are able to make their own food from sunlight.





Monarch Butterfly



Bumble Bee



Honey Bee



Royal Cabbage Butterfly



Sparrow



Dragon Fly

Fact Gathering Worksheet - Plant

Find the plant in the garden and then find the sign for it.

What is the name of the plant?

What is the Latin name of the plant?

Draw what you see:



Describe the appearance of your plant with words: What colors do you see? What size is each plant?

What are the leaves like? What shape are they? What do they feel like?

Are there other creatures around or on your plant? If yes, what do they look like?

Does your plant have flowers? Check the box that applies.

- Yes, some flowers Yes, many flowers No flowers at all Not sure

What does the stem of your plant feel like? Gently twist the stem in your fingers. Circle all that apply.

Smooth

Rough

Round

Hard

Rubbery

Square

Rigid

Fuzzy

Soft

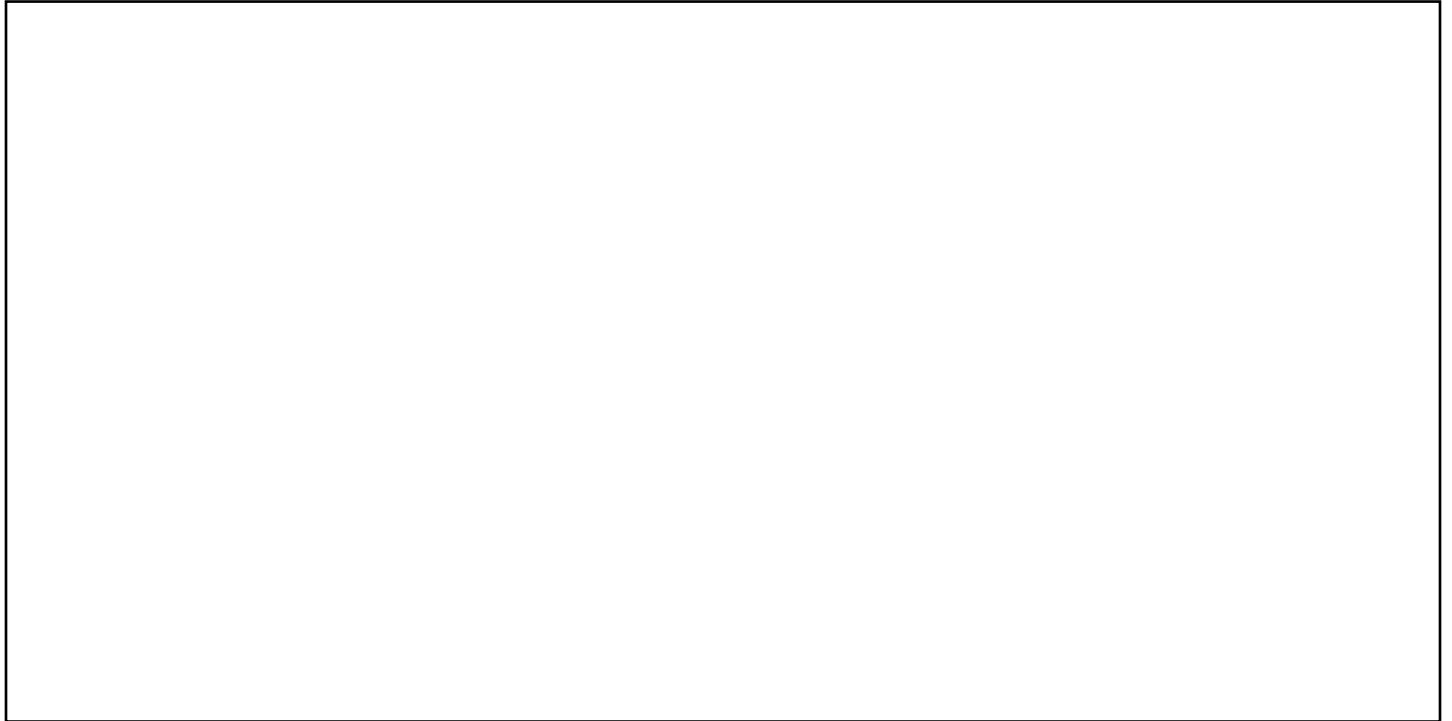
Without removing it, gently rub a leaf of your plant between your fingers. Does it have a smell? What does it smell like?

Fact Gathering Worksheet – Pollinator Creature

Walk through the garden and find your creature.

What is the name of the creature you got?

Draw what you see:

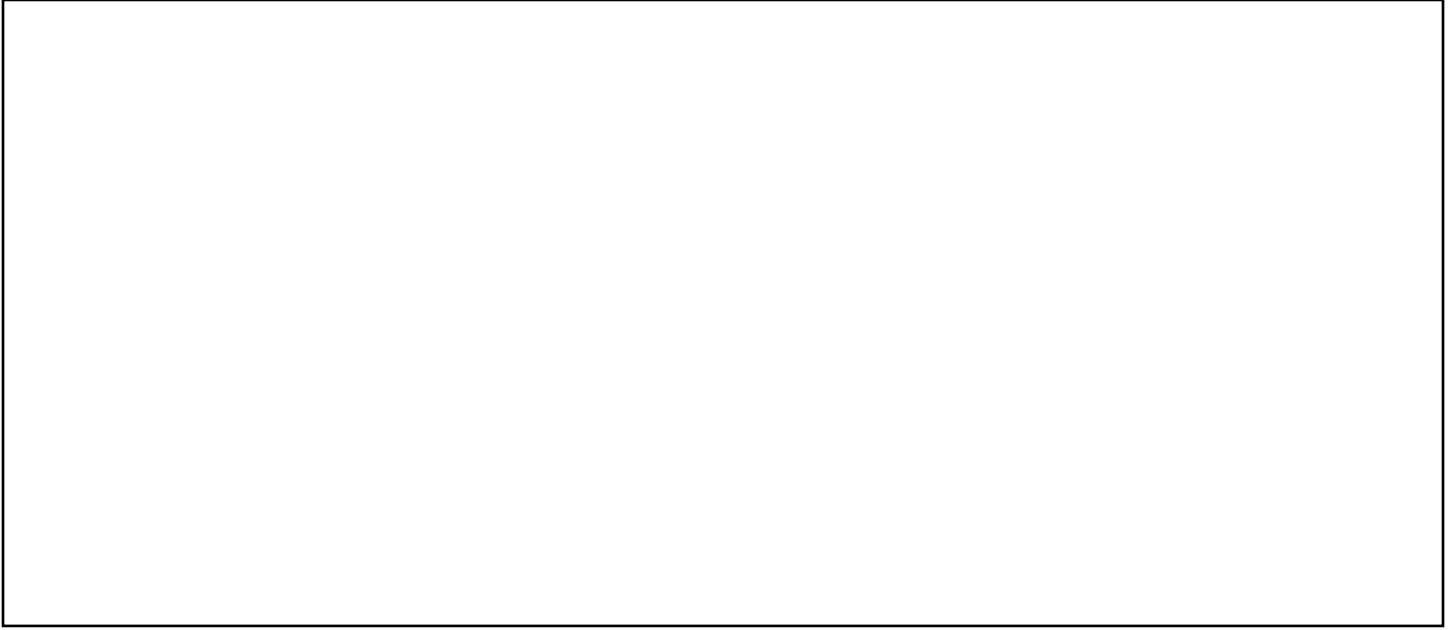


Describe the appearance of your creature with words: What colors do you see? What size is it? How many do you see?

Are there other creatures around? If yes, what do they look like?

Where is your creature? Describe what the creature is doing.

Is your creature near a plant? If yes, draw the plant below:



Does the plant have flowers? Check the box that applies.

- Yes, some flowers Yes, many flowers No flowers at all Not sure