

Fifth Grade MASTER Model AG-SEEDLINGS UNIT

Leading Scientific Question

How do living organisms use water, air, and light to survive?

Scientific Sub-question

How does a pollinator absorb energy from food?

What types of food do pollinators eat?
How do pollinators collect food?

What structures do pollinators have to store and eat food?

Lesson- Match The Pollinator

Students will read about how bees collect pollen & nectar Students will reflect.

Students will play, "Nectar Relay".

Students will use flash cards to match pollinators to the correct measurement of tongue.

Read-aloud- "Evelyn the Adventurous Entomologists"
By: Christine Evans

Scientific Sub-question

How does the environment affect living organisms?
(How do living organisms affect the environment?)

What is a pollinator garden?

How do you create a healthy pollinator garden that will survive throughout the year?

Lesson- Bee-Healthy Farm

Student will read & answer questions in "Bee Healthy Farms" reading passage, located in google folder.

Teacher will model to student how to read "Plants Arranged by Bloom time List" located in google folder.

Watch short student videos about "Planting a Garden" and/or "The Arboretume at Penn State".

Students will create a garden layout of different nutritional plants for pollinators.

Read aloud- "The Farm That Feeds Us." By: Nancy Castaldo

Scientific Sub-question

What current issues cause threats to our environment?

How is the Spotted Lanternfly a threat to Pennsylvania's ecosystems?

What are possible solutions humans can use to prevent the spread of invasive species?

Lesson- The Million Dollar Fly

Read aloud- "Science Warriors: The Battle Against Invasive Species (Scientists in the Field Series)" by Sneed B. Collard III

Students will create a "Wanted" flyer for the Spotted Lanternfly.

Students will watch video on the Spotted Lanternfly. Students will discuss what is an Invasive and Endangered Species?

Students will take an active solution by planting Milkweed to help solve the ecosystem issue. (Monarch & Spotted Lanternfly)