

Insect Unit

Instructional Intentionality

HONEY BEE

Overview

Theme Understanding

- Identify different insects, their habitats, and their characteristics
- Learn how insects grow and change
- Explain how insects help our world

Process Grid

Insect	Habitat	Color	Size	Activity
grasshopper	grass	green brown	about 4 inches size of new crayon	food in parts of the world
butterfly	flowers gardens	many types	Size of a playing card	pollinate plants
ant	soil ant hill	black red brown	About 1 inch- size of a penny	clears debris
honey bee	hive	black with yellow stripes	Size of quarter	pollinate flowers make honey

Pictorial: honeybee

Pictures:

Insect- honeybee

Habitat- natural hive and beekeeper hive

Color- honey bee with stripes evident

Size- picture of quarter and real quarter to tape on chart

Activity- bee on flower, bee gathering pollen, bee sucking nectar, honey comb, honey

Big Book

Did You Know About Honey Bees?

(page 1)

Did you know

honey bees are black with yellow stripes?

I just thought you might like to know.

(page 2)

Did you know

honey bees live in groups called colonies? Each colony is a bee hive.

I just thought you might like to know.

Did you know

honey bees make honey from the nectar they gather from flowers? They store nectar in the hive.

I just thought you might like to know.

Did you know

honey bees pollinate flowers when they land on them? The pollen sticks to them and is carried from flower to flower.

I just thought you might like to know.

Songs/Chants

Where is Insect?

(Tune: "Where is Thumbkin?")

Where is the honey bee? Where is the honey bee?

Here it is. Here it is.

Black and yellow stripes, black and yellow stripes,

Fly away, fly away.

Where is honeybee? Where is honeybee?

Here it is. Here it is.

Pollinating flowers, pollinating flowers.

In the garden. In the garden.

Where is honeybee? Where is honeybee?

Here it is. Here it is.

Making honey, making honey.

In the hive. In the hive.

Head, Thorax, Abdomen

(Tune: "Head, Shoulders, Knees and Toes")

Head, thorax, abdomen

Abdomen.

Head, thorax, abdomen

Abdomen.

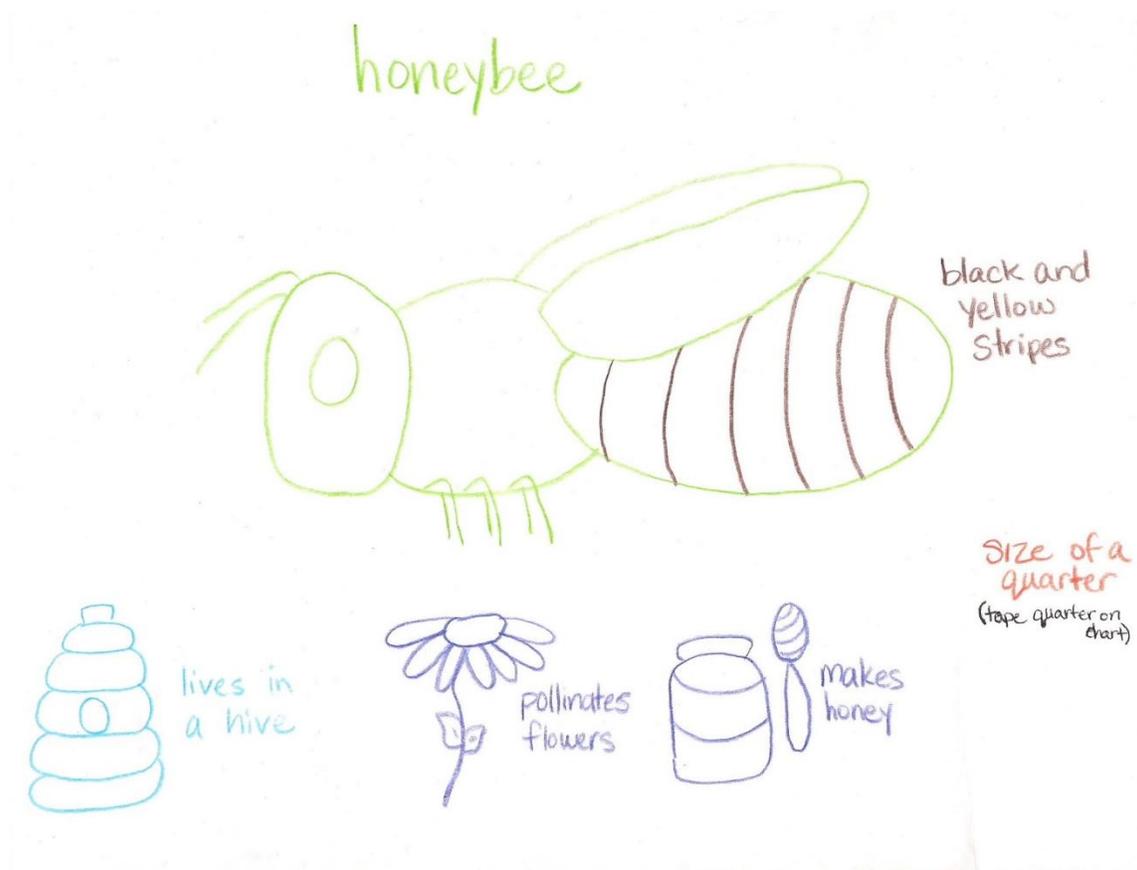
Three body parts

And six legs too.

Head, thorax, abdomen

Abdomen.

Pictorial Input Chart



INSTRUCTIONAL PLAN

Day One

Intentional Message:

Hello, entomologists. This week we are going to learn about another insect. This insect is two colors. Can you think of an insect that is two colors?

Picture Dictionary: beetle

(purpose: introduce students to another insect with multiple colors)

Direct Instruction:

- Introduce Honey bee
- Add picture
- Trace body, teaching three body parts and six legs
- Sing songs “*Head, Thorax, Abdomen*” and “*Where is Insect?*”
- Teach color, adding picture
- Read cover and page 1 in Big Book

Day Two

Intentional Message:

Hello, entomologists. Today we are going to continue learning about the **honey bee**. Is the **honey bee** a large or small insect?

Picture Dictionary: dragonfly

(purpose: more than one color and body length over 4.7 inches)

Direct Instruction:

- Review honey bee body parts and color
- Sing song “*Head, Shoulders, Abdomen*”
- Talk about size, add picture of quarter and/or real quarter
- Sing song “*Where is Insect?*” adding new verse about size

Day Three

Intentional Message:

Hello, entomologists. Today we are going to talk about where the **honey bee** lives. Do you know what a **honey bee's** home is called?

Picture Dictionary: beekeeper
(purpose: talk about beekeepers)

Direct Instruction:

- Review honey bee body parts, color and size
- Talk about where the honey bee lives in the world. (May also talk about beekeepers)
- Sing song “*Head, Thorax, Abdomen*”
- Read cover and pages 1-2 in Big Book

Day Four

Intentional Message:

Hello, entomologists. Today we are going to learn what the **honey bee** does in our world. We are going to learn why the **honey bee** has a tube-like tongue.

Picture Dictionary: pollen
(purpose: to introduce the concept of pollen before talking about how bees collect pollen)

Direct Instruction:

- Review honey bee body parts, color, size and habitat.
- Talk about the activity of the honey bee-pollinates flowers and makes honey. (May split over two days)
- Sing song new verse to “*Where is Insect?*”
- Read cover and pages 1-4 in Big Book

Day Five

Intentional Message:

Hello, entomologists. We have learned so much about the **honey bee**. What do you think is the most interesting fact?

Picture Dictionary: beeswax
(purpose: to introduce another item made by bees)

Direct Instruction:

- Review honey bee body parts, color, size habitat, and activity.
- Review all facts using “Yes, Ma’am” chant
- Fill in Process Grid with words and pictures