

UNIT 3: Bees at a glance

WORDS

LEVEL 1	LEVEL 2	LEVEL 3
honey sticky wings	blossoms wax pollen	honeycomb nectar hive

SUGGESTED BOOKS

Expository	Narrative
<i>In the Trees, Honey Bees!</i> by Lori Mortensen	<i>The HoneyBee Man</i> by Lela Nargi and Kyrsten Brooker

DRILL AND PRACTICE

- ❖ BINGO
- ❖ Slap Jack

CONCEPTUAL ACTIVITIES

- ❖ Making flowers out of wikki stix
- ❖ Honeycombs

COMMON CORE STANDARDS FOR SCIENCE

K	Strand 4 Life Sciences, Concept 3 Organisms and Environments: PO 1. Identify some plants and animals that exist in the local environment
1	Strand 4 Life Sciences, Concept 3 Organisms and Environments: PO 1. Identify some plants and animals that exist in the local environment
2	Strand 4 Life Sciences, Concept 1 Characteristics of Organisms: PO 1. Identify animal structures that serve different functions (e.g., sensory, defense, locomotion)

BEES: WORDS AND DEFINITIONS

LEVEL 1 WORDS	DEFINITION
honey	a sweet, sticky liquid made by bees from nectar, and stored in hives for food
sticky	something that causes other things to attach to it
wings	part of an animal's body that it uses to fly or glide

LEVEL 2 WORDS	DEFINITION
blossoms	the flowers from a fruit tree
pollen	yellow dust made by a plant and collected by bees
wax	something bees make and use to build honeycomb

LEVEL 3 WORDS	DEFINITION
hive	a nest where bees live
honeycomb	wax cells that are built by bees in their hive for holding young bees or honey
nectar	a sweet liquid made by plants and used by bees to make honey

honey



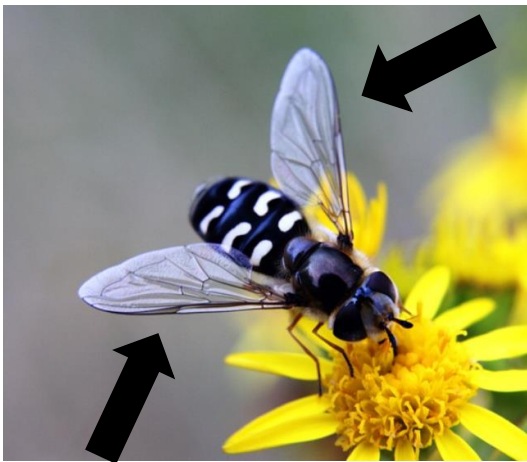
a sweet, sticky liquid made by bees from nectar, and stored in hives for food

sticky



something that causes other things to attach to it

wings



part of an animal's body that it uses to fly or glide

blossoms



the flowers from a fruit tree

hive



a nest where bees live

pollen



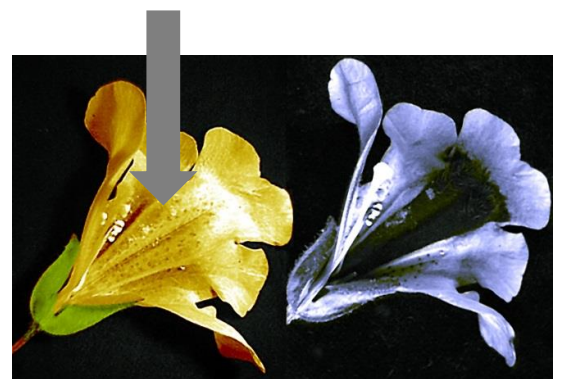
yellow dust made by a plant and collected by bees

honeycomb



wax cells that are built by bees in their hive for holding young bees or honey

nectar



a sweet liquid made by plants and used by bees to make honey

wax



something bees make and use to
build honeycomb

BEES: ASSESSMENTS

WORD	PRE-INTERVENTION SCREENING	POST-INTERVENTION ASSESSMENT
LEVEL 1		
honey		
sticky		
wings		
LEVEL 2		
blossoms		
wax		
pollen		
LEVEL 3		
honeycomb		
nectar		
hive		

BEES: INTERACTIVE BOOK READING QUESTIONS

Before reading the book, place each question on a sticky note and place it on the corresponding page.

Book 1: *In the Trees, Honey Bees!* by Lori Mortensen

Reading	Picture/Page	Question type	Question
1	worker bees with queen	relate	When have you had to take care of someone?
1	bear climbing tree	competence	What's in that tree that the bear wants?
1	last page	abstract	When it's cold outside, honeybees stay in their hive until when?
2	bear climbing tree	abstract	Why do bees build their hives inside trees?
2	mom gardening with kids	competence	Why can't bees make honey in the winter?
2	bees collecting nectar and pollen	relate	Have you ever helped your mom feed your family?

Book 2: *The HoneyBee Man* by Lela Nargi and Kyrsten Brooker

Reading	Picture	Question type	Question
1	Fred comes up onto roof	abstract	Who lives in the little cities on Fred's roof?
1	close up of bees in the hive	relate	What do you do to help out around your house?
1	Fred bottling the honey	competence	What is in the jars?
2	Fred flying over the park	competence	What do the bees need to fly? Fred wishes he had some. (wings)
2	Fred in gear collecting honey	abstract	Why is Fred wearing all that strange gear?
2	Fred gives honey to his neighbors	relate	Have you eaten honey? What do like to eat it on/with?

BEES: CONVERSATION PROMPTS

Use the space provided to script an anticipated conversation with your student.
Consider the following:

- What will you do if the student responds with only one word?
- What will you do if the student responds off topic?
- What will you do if the student doesn't respond at all?

Prompt 1: These people are outside while all of these bees are out gathering nectar and pollen. Tell me about a time you've been outside and you've seen bees flying around. What did you see them doing

Materials needed: *In the Trees, Honey Bees!* by Lori Mortensen (Refer to page in where people are outside and bees are flying around)

Turn	Script	Conversational Strategy
Teacher		
Student		
Teacher		
Student		

Prompt 2: Fred wishes he could fly with the bees. Have you ever wished to fly? If you could fly, what would you do? Where would you go? Why?

Materials needed: *The HoneyBee Man* by Lela Nargi and Kyrsten Brooker

Turn	Script	Conversational Strategy
Teacher		
Student		
Teacher		
Student		

Prompt 3: I saw a bee on my way to school today! I was afraid it would sting me, but it didn't.

Materials needed:

Turn	Script	Conversational Strategy
Teacher		
Student		
Teacher		
Student		

BEES: DRILL AND PRACTICE

ACTIVITY: Slap Jack

Purpose	To provide practice on the target vocabulary words and definitions multiple times.
Objective	The child will express target words and definitions in response to the teacher prompts.
Materials	<ul style="list-style-type: none">• One set of target word cards• Fly swatter (optional)
Procedure	<ol style="list-style-type: none">1. Put the cards out on the table, giving the word and definition for each card.2. The teacher says a definition and the student has to slap or hit with a fly swatter the word that matches the definition3. The child then has to say the word and the definition for the card that she slapped.4. After the teacher has said all of the definitions, the teacher and student switch roles.5. The student gives the definition and the teacher slaps the word that matches the definition.

ACTIVITY: BINGO

Purpose	To provide practice on the target vocabulary words and definitions multiple times.
Objective	The child will express target words and definitions in response to the teacher prompts.
Materials	<ul style="list-style-type: none">• BINGO cards• Markers• Vocabulary Cards
Procedure	<ol style="list-style-type: none">1. Print out BINGO cards or make BINGO cards by gluing pictures of the vocabulary words on the BINGO template. If you are working in a group, each card should have the pictures and free spaces in a different order.2. Review the words and definitions for target words.3. Each player takes a turn picking a vocabulary card from the pile. The player says the word and the definition for that word. Each player marks that word on his card with a marker.4. Continue taking turns until one player gets a BINGO with all the words in a row, diagonally or a blackout.

	FREE	

BEES: CONCEPTUAL ACTIVITIES

ACTIVITY: Making flowers out of Wikki stix

Purpose	To engage the student in a conversation about the topic while engaging in an activity.
Objective	Child will express target words and definitions in response to teacher prompts.
Materials	<ul style="list-style-type: none">• Wikki Stix• Construction paper• Plastic Wrap• Glue• Markers or crayons• Pictures of bees (On Google Images, search "pictures of bees")
Procedure	<ol style="list-style-type: none">1. Teacher and students make flowers using Wikki Stix.2. Glue flowers to the piece of construction paper.3. Conversation: Move bees around the flowers discussing how they collect pollen from the flowers.

ACTIVITY: Honeycombs

Purpose	To engage the student in a conversation about the topic while engaging in an activity.
Objective	Child will express target words and definitions in response to teacher prompts.
Materials	<ul style="list-style-type: none">• Honeycomb cereal• Brown construction paper• Glue• Crayons• Beehive template found at: https://www.pinterest.com/pin/163959242656692356/• Honey
Procedure	<ol style="list-style-type: none">1. Glue beehive onto brown construction paper.2. Glue pieces of honeycomb cereal onto beehive.3. Conversation: Discuss how bees work to create honey in the beehive.4. Taste honey (check for allergies before tasting).