

HONEYBEES



PK



Make learning about Honeybees fun and engaging!

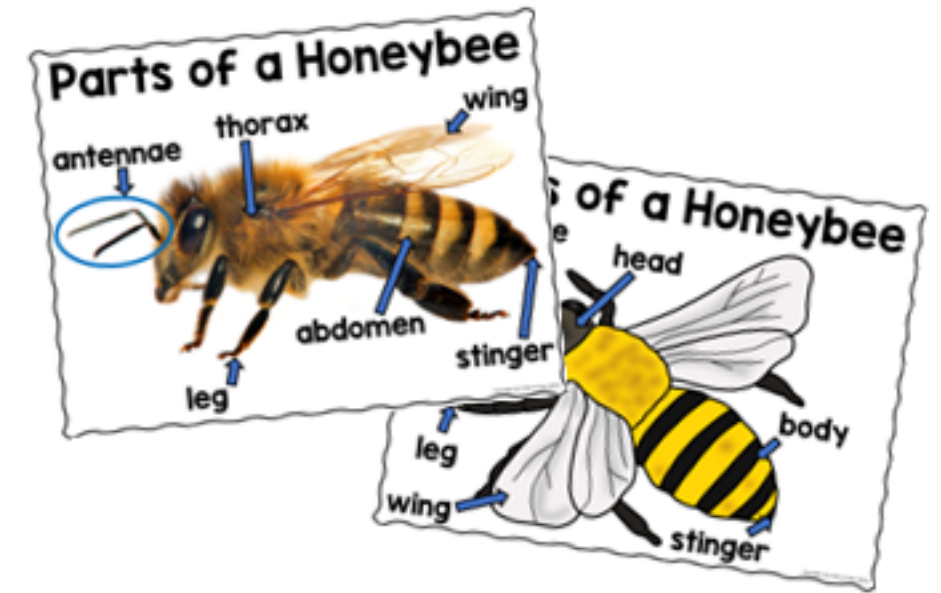
scroll
to take a
peek
inside

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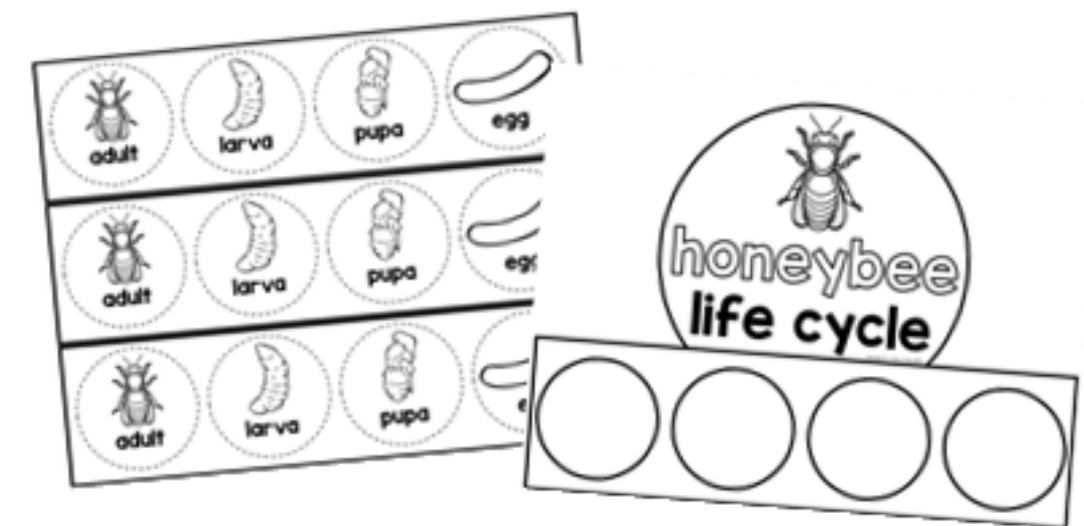
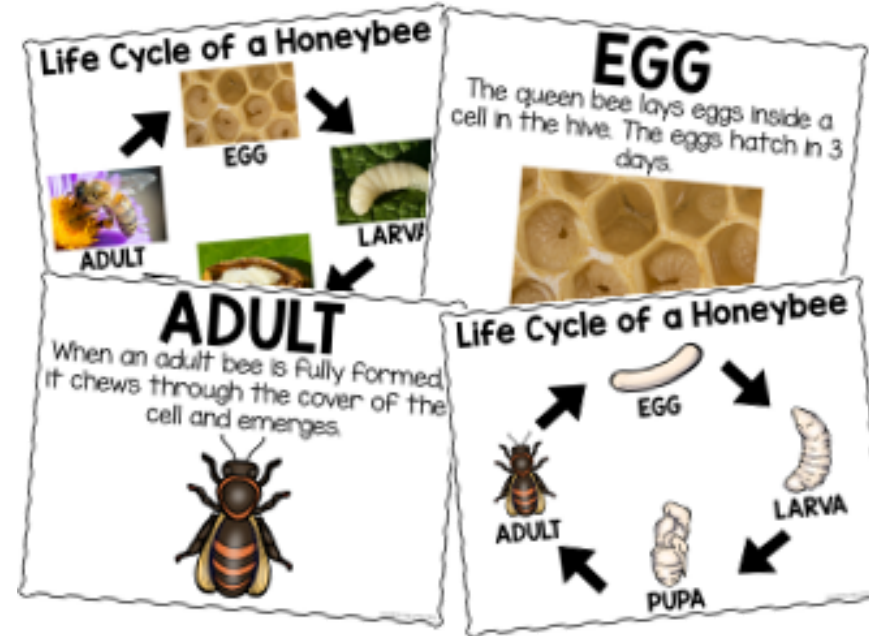
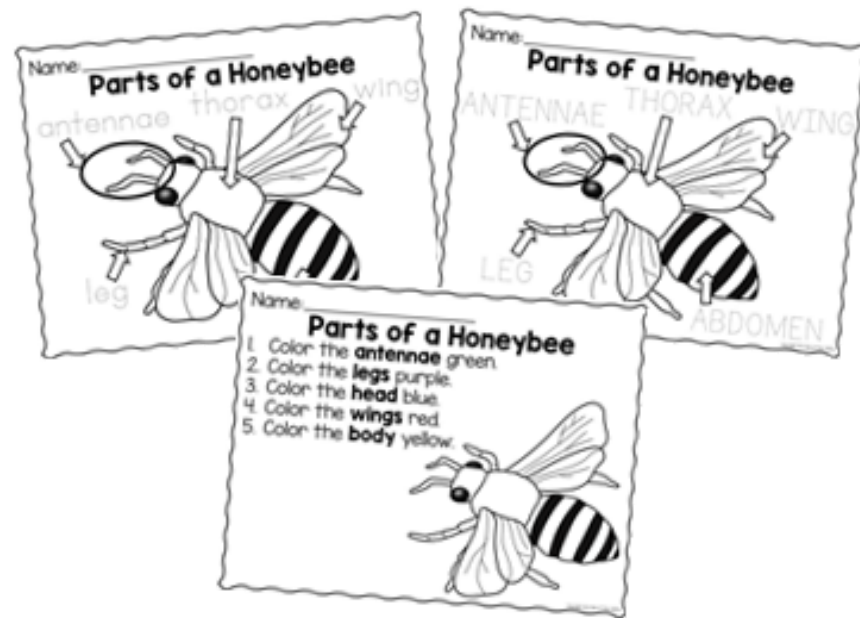
Here is what is included:

- ✔ Lesson plans for a week
 - ✔ PowerPoints and printable posters
 - ✔ Teacher resources to make instruction easier
 - ✔ Life cycle posters and hat
 - ✔ Sensory bin and STEM activities
 - ✔ Adorable crafts and writing center
 - ✔ Emergent readers
- ...and SO much more!

Take a Closer Look:



honeybee powerpoint facts emergent reader parts of a honeybee

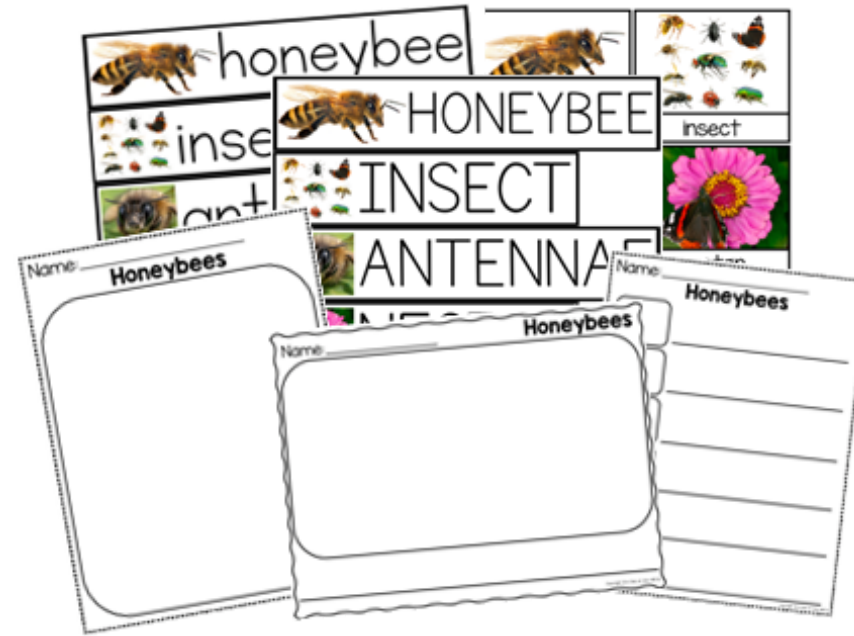


parts worksheets life cycle posters life cycle hat

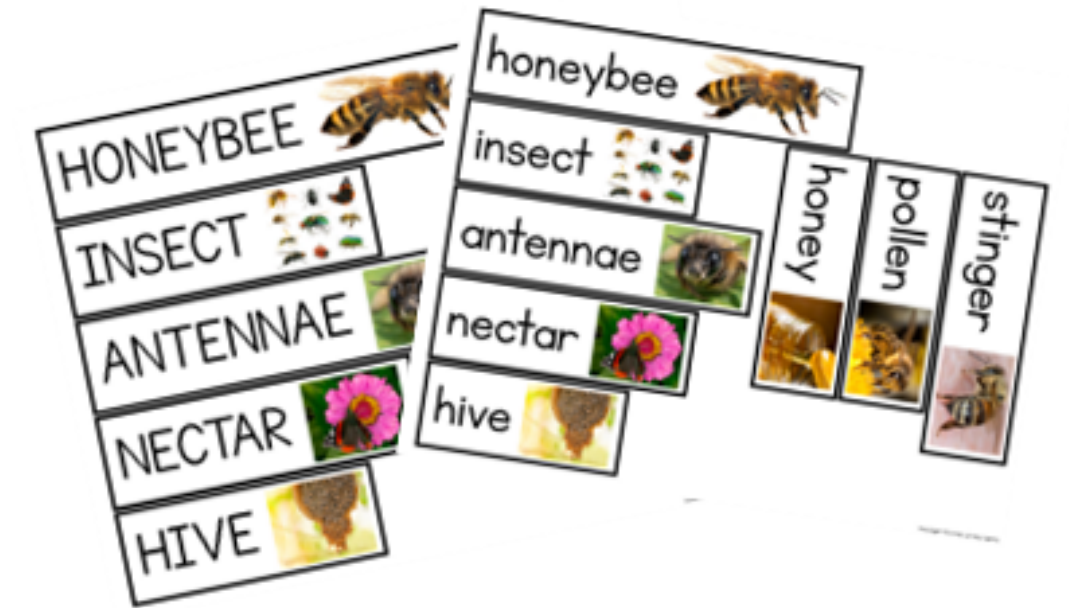
Take a Closer Look:



definition posters



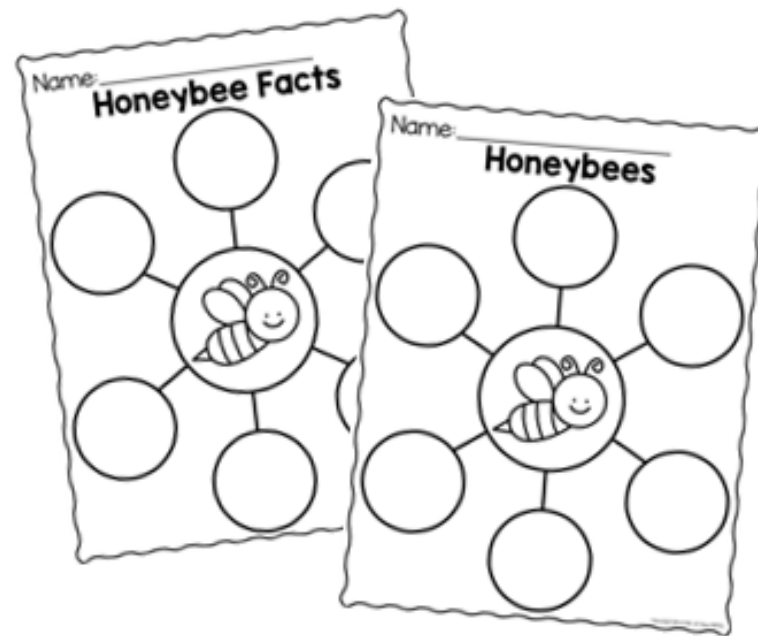
writing center



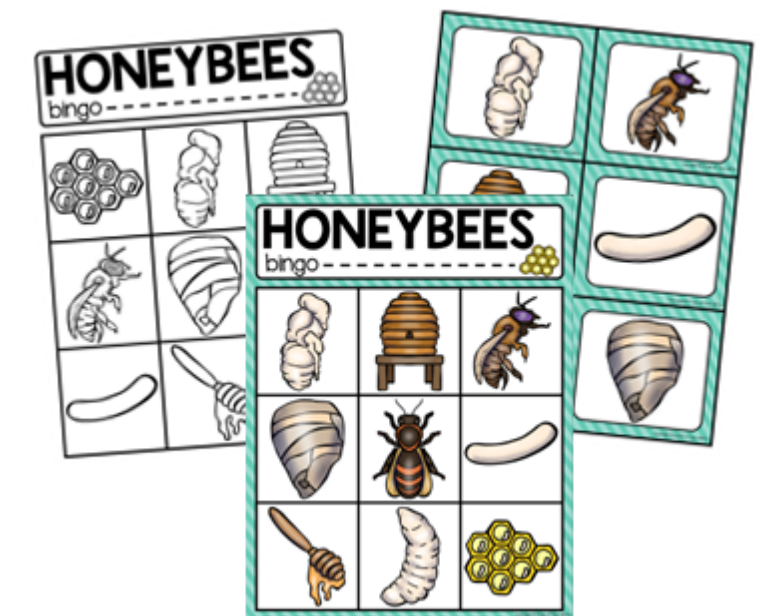
word wall



weekly question



circle maps



bingo game

Take a Closer Look:

HONEYBEE science

MATERIALS needed

- Honeybee books (see list)
- Coloring tools
- Copy paper
- Pencils
- Scissors
- Stapler
- Glue

M Monday	HONEYBEE INTRODUCTION -Read a nonfiction honeybee book. -Introduce honeybees by completing the Honeybee Facts PowerPoint. -Answer the question of the week. -Read and complete the Honeybee Emergent Reader. -Complete Can-You-Be-Activity. <i>Each day please see our selection of honeybee songs, books, and videos!</i>
T Tuesday	PARTS OF A HONEYBEE -Read a nonfiction honeybee book. -Using the Parts of a Honeybee poster, introduce the different parts that make up a honeybee. -Complete Parts of a Honeybee worksheet.
W Wednesday	HONEYBEE LIFE CYCLE -Read a nonfiction honeybee book. -Introduce the Honeybee Life Cycle poster. -Complete the Honeybee Life Cycle worksheet and/or hat.
Th Thursday	HONEYBEE FACT OR FICTION -Review the Honeybee Facts PowerPoint. -Complete the Honeybee Fact or Fiction activity as a whole group or individually. -Optional: Short Fact portion of Friday's research craft.
F Friday	HONEYBEE FACT OR RESEARCH CRAFT -Read a nonfiction honeybee book. -Complete the Honeybee Craft and Fact Book or Research Book.

lesson plans

science: HONEYBEEES

Dear Families,

We are learning all about honeybees in the classroom this week. We will be exploring the different parts of a honeybee, the life cycle of a honeybee, and other fun honeybee facts. Ask your child to share these facts with you this week!

At-Home Activity:

You can learn all about honeybees at home! Go on a "honeybee walk" with your child. Walk around your yard or anywhere local that has flowers and other plants, looking for honeybees. If you find one, look for their hive and spend a few minutes observing the honeybee. Check out a book on beekeeping for kids from your local library. Visit a local farmstand to purchase some local honey and ask where they keep the bees!

at-home letter

TEACHER GUIDE for HONEYBEEES

HONEYBEEES

- A honeybee is a type of flying insect, known for its ability to collect nectar and produce honey.
- There are more than 20,000 different types of bees, but only 8 known species of honeybees. The best-known honeybee is the western honeybee, which was domesticated for making honey and pollinating crops.

WHERE DO HONEYBEEES LIVE?

- Honeybees live in colonies, or groups, called hives.
- Honeybees can be found all over the world, except for in Antarctica, and can live in many different habitats.
- Honeybees can thrive in natural or domesticated environments, but prefer to live in forests, woodlands, gardens, orchards, meadows, and other places where there are a lot of flowering plants.
- A honeybee hive is like a busy city that the queen bee manages. The worker bees build hexagonal cells from wax that are packed together to make the nest. Some cells are for the queen to lay eggs in, while others are used to store honey. The group of wax cells is known as a honeycomb.
- A hive can contain up to 50,000 bees.

DID YOU KNOW?

The honeybee is the only insect that produces food eaten by humans!

OF BEES

colony, there are 3 different types of adult bees: the queen, male drones, and female workers. There is only one egg-laying queen in each colony. She lays eggs in the cells of the honeycomb. The queen mates with drones, makes new bees, and circulates air in the hive by fanning her wings. There are thousands in each colony. Bees are all male and their main purpose is to pollinate flowers. Several hundred live in a colony. After the queen mates with the drones, they die.

BEET DIET

Bees to produce honey, they eat pollen and nectar. Pollen is a powdery dust produced by flowering plants. It is nutritionally dense, and a honeybee needs to survive. Honey is made from nectar. Honeybees make honey by taking nectar from flowers and processing it into honey. Honeybees also eat pollen, which is the only source of protein for them. Honeybees also eat honey, except for the ones that are future queens, who will be fed something else. The jelly is a secretion made by honeybees and is used to seal the cells of the honeycomb. Worker bees and drones may get some honey during the first few days of life, but future queens will eat honey through the entirety of their lives.

teacher guide

SCIENCE CENTER for HONEYBEEES

GETTING STARTED

Fill your center with lots of fun materials that your students can use to investigate and explore honeybees. Suggested materials to include honeybee life cycle cards, toy/plastic honeybees, real or pretend flowers, pieces of honeycomb, a sealed jar of honey, magnifying glasses, etc. Make sure to include some books and vocabulary cards in your center as well.

SHARING TIME

- Students who went to the science center that day can tell the class what they discovered or observed and any questions they may have. We have a list of open-ended questions in this unit.
- If a child makes an exciting discovery in the science center, you can ask classmates to join you near the science center so your little scientist can share their findings and enthusiasm in just a short minute or two.
- Use a sign or chant that designates it is time for the kids to congratulate the scientist and return to their center. It can be as simple as a fist bump, high five, thumbs up, or a saying like, "Good Job, Good Job, Hey!"
- Your student's enthusiasm in the science center will entice others to go there tomorrow.

science center

QUESTIONS TO ASK for HONEYBEEES

SCIENCE talk

- Can you draw a picture of a honeybee and then label its parts?
- Why do you think honeybees live in a group?
- What makes honeybees different from other insects?
- What makes a honeybee an insect?
- Can you retell the steps of the life cycle of a honeybee?
- Why do honeybees make a honeycomb?
- What other animals lay eggs?
- Does a honeybee remind you of any other insects?
- How does a honeybee mate?
- Why might a honeybee sting?

How would you know _____?
Why do you think that _____?
What else might have caused _____?
How can you explain your findings? Recall in your own words.
How was it different than _____?
How will you know if _____?
Do you think you could _____?
How did you decide _____?
Can you tell me about that?
How does that work?
Can you draw me a picture of your findings?
What will happen if _____?
What do you think is most important?
What happened when _____?
What would you change if _____?
How is this similar to something else you know?
Can you think of another way _____?
Create a new solution.
How would you handle this problem/challenge/question?

science questions

HONEYBEE BOOKS

To assist with the planning of your Honeybee Unit, we have curated a list of our favorite honeybee books!

HONEYBEE VIDEOS

To assist with the planning of your Honeybee Unit, we have curated a list of our favorite honeybee videos!

- Kids Learn Why Bees Are Awesome National Geographic
- Like Fruit? Thank a Bee! SciShow Kids
- What's the Buzz About Bees Science Trek
- Busy Bees! SciShow Kids
- How Do Bees Make Honey? Scott McMillan

HONEYBEE SONGS

To assist with the planning of your Honeybee Unit, we have curated a list of our favorite honeybee songs!

- The Bees Go Buzzing Super Simple Songs
- Do the Honey Bee! helpthehoneybees
- Honey Bee Song Redmon Kids!
- Honey Bee Life Cycle Rap Song "It's All About the Hive"

resource lists

Take a Closer Look:



Buzzing Bees

Look at the beehive, look at the bees.
(Point to beehive and bees pictures)

Flying all over, even up in the trees!
(Point up)

When we don't see them, they're back
in their hive.
(Put hand up on forehead to pretend to look)

How many bees? One, two, three, four, five!
(Count on fingers to five)

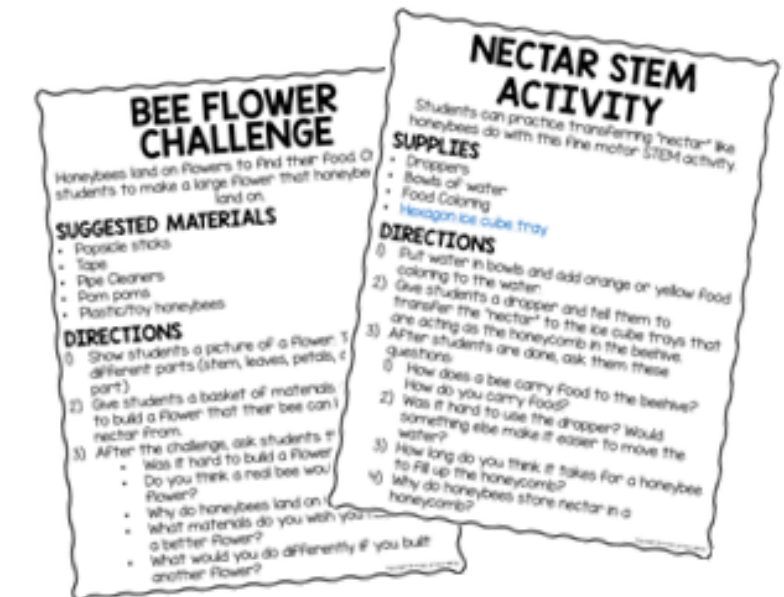
All around the flowers are the busy, buzzing bees.
(Flutter fingers back and forth)

Black and yellow, flying by, please don't sting me!
(Shake finger to say "no")

fingerplay



honeybee craft



BEE FLOWER CHALLENGE

Honeybees land on flowers to find their food. Students can practice transferring "nectar" like honeybees do with this fine motor STEM activity.

SUGGESTED MATERIALS

- Popsicle sticks
- Tape
- Pipe Cleaners
- Pom poms
- Plastic/foam honeybees

DIRECTIONS

- 1) Show students a picture of a flower. Transfer the different parts (stem, leaves, petals, etc.) to a pipe cleaner.
- 2) Give students a basket of materials to build a flower that their bee can't get nectar from.
- 3) After the challenge, ask students if:
 - Was it hard to build a flower?
 - Do you think a real bee would be able to get nectar from your flower?
 - Why do honeybees land on flowers?
 - What materials do you wish you had to build a better flower?
 - What would you do differently if you built another flower?

NECTAR STEM ACTIVITY

Students can practice transferring "nectar" like honeybees do with this fine motor STEM activity.

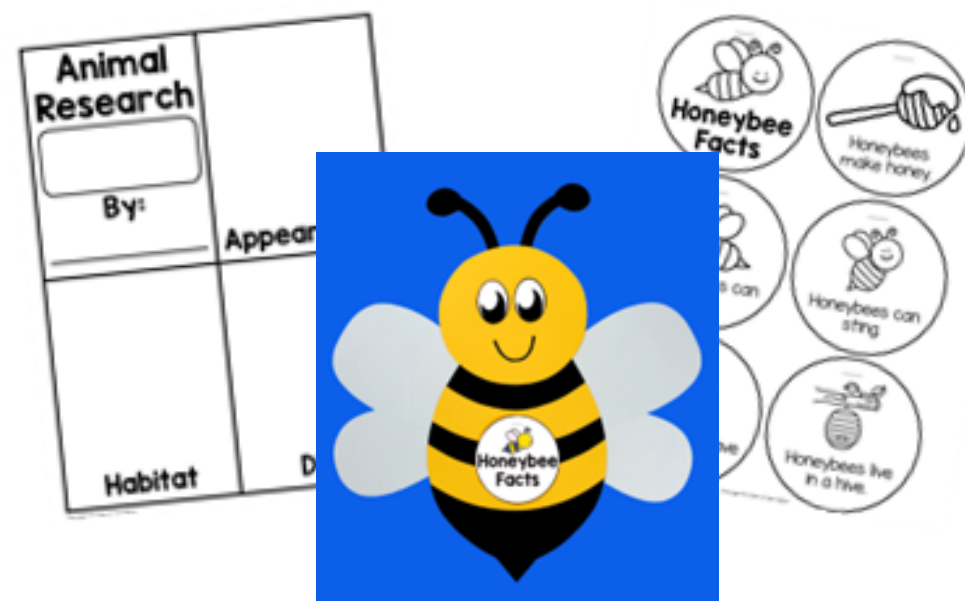
SUPPLIES

- Droppers
- Bowls of water
- Food Coloring
- Hexagon ice cube tray

DIRECTIONS

- 1) Put water in bowls and add orange or yellow food coloring to the water.
- 2) Give students a dropper and tell them to transfer the "nectar" to the ice cube trays that are acting as the honeycomb in the beehive.
- 3) After students are done, ask them these questions:
 - How does a bee carry food to the beehive?
 - Was it hard to use the dropper? Would something else make it easier to move the water?
 - How long do you think it takes for a honeybee to fill up the honeycomb?
 - Why do honeybees store nectar in a honeycomb?

STEM activities



Animal Research

By: _____

Appearance: _____

Habitat: _____

Honeybee Facts

- Honeybees make honey.
- Honeybees can sting.
- Honeybees live in a hive.

research craft



Honeybee, honeybee, what do you do?

Honeybee, honeybee, what do you do?

I see a flower, waiting for me.

I see a flower, waiting for me.

Honeybee, Honeybee

Honeybee, Honeybee

sweet honey, for you!

sweet honey, for you!

I make sweet honey, just for you!

I make sweet honey, just for you!

emergent reader



HONEYBEE SENSORY BIN

Create this honeybee sensory bin for students to learn through exploration.

SUGGESTED MATERIALS

- A sensory table or plastic bin
- Mini wheel/Rotelle pasta or honeycomb cereal
- Toy/plastic honeybees
- Wooden honey stirrers
- Fake or real flowers
- Black and yellow pom-poms
- Scoopers, spoons, measuring cups, etc.

DIRECTIONS

- 1) Fill sensory table or bin with pasta or cereal.
- 2) Add pretend honeybees, stirrers, flowers, and pom-poms.
- 3) Add scoopers and spoons.
- 4) Encourage students to explore and play with the materials!

and so much more!

Why Teachers LOVE it:



OPTIONS

- ✓ Variations for differentiating
- ✓ Printables in color and B&W



EASY TO USE

- ✓ Teacher Guide
- ✓ Lesson Plans
- ✓ Cross-curricular activities



ENGAGING

- ✓ Real Pictures
- ✓ Fun Crafts
- ✓ Hands-on Activities



What Teachers Are Saying



“This unit was super fun and a great addition to our spring science studies! It was easy to use and engaging for my students.” -Kim G.



“I liked all the activity options and how it was age appropriate information for young learners. Beautiful photos too!” -Molly L.



“I loved using this unit with my students! The activities were fun for them and the information was presented in a kid-friendly way.” -Beth H.

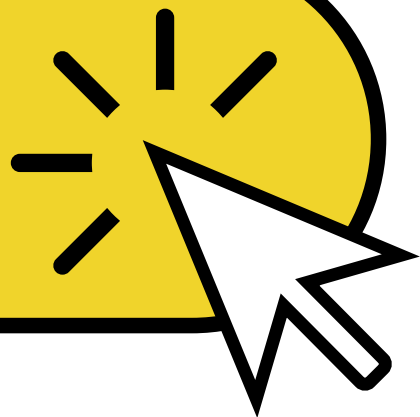


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meet the team

I'm Jennifer... I am the founder and creator of A Dab of Glue Will Do and Dollar Teachers Club. I taught Kindergarten and 1st grade. I have a stash of chocolate in my desk and a Starbucks tea in my hand to keep me going. I love reading and watching my kiddos play soccer and do taekwondo.

jennifer



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