

# The Business of Bees



## BEE a Good Citizen

BEE kind to bee homes. Poking, hitting or tampering with a beehive is not a good idea. Bees are hard workers and need a peaceful home.



No Bake  
Honey Puffs  
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BEE alert but calm. Just because a bee is buzzing around does not mean it will sting you. Be calm and move away quietly.

BEE sure to eat local honey. Bee's honey tastes great, and by purchasing local honey, you are helping local beekeepers.

BEE sure to put out water. Just like us, bees need water around their hives. Place a small bowl or container with water out for the bees.



## Did you know?

Honeybees travel up to 3 miles from their hives.

A queen bee may lay 1,500 eggs a day.

Honey never spoils.

The honeybee is the Louisiana state insect.

Honey is not recommended for children under 2 years old.



## Character Connection

**Citizenship** means to do your share, cooperate, be a team player, obey the rules, protect the environment and respect everyone.

Bees are good citizens in their colonies. They do their jobs by

collecting nectar, making honey and taking care of the queen bee.

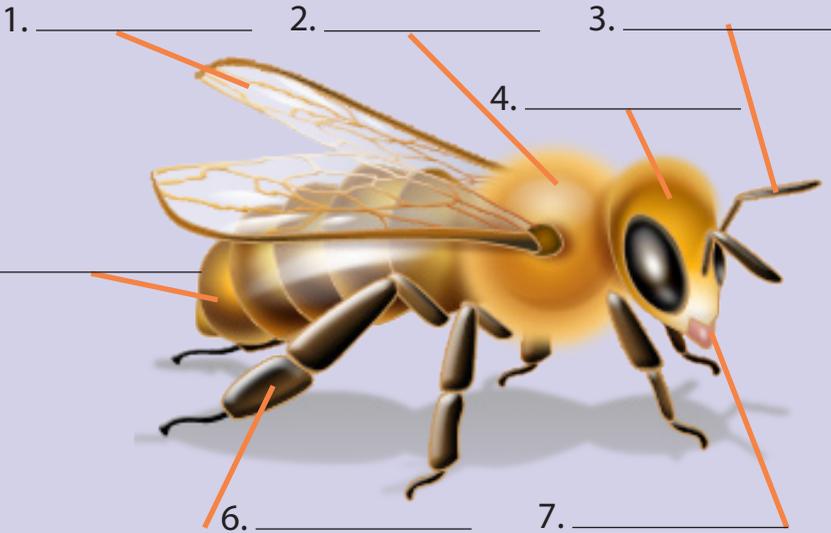
**How can you be a good citizen?**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

## Science Adventure

### Parts of a Bee

Bees are insects. All insects have six legs, an abdomen and a head. Some have wings, and some do not. Check out the bee. Try to label the bee's body parts using this list: Abdomen, Antenna, Head, Legs, Mouthparts, Thorax, Wings.



ANSWERS: 1. Wings, 2. Thorax, 3. Antenna, 4. Head, 5. Abdomen, 6. Legs, 7. Mouthparts.



A **beekeeper** is a person who keeps honey bees. Honey bees produce honey, beeswax, pollen and royal jelly. Some beekeepers raise queens and bees to sell to other farmers. Beekeepers also use honeybees to provide pollination services to fruit and vegetable growers. Many people keep bees as a hobby. Others do it for income.

## Recipe of the Month No Bake Honey Puffs

**Note:** *Adult supervision required*

**Ingredients:** 1/4 cup honey, 1/2 cup peanut butter, 2 cups cereal (mix of puffed wheat and toasted oats or other favorite), 1/4 cup raisins (optional)

**Directions:** In a saucepan, combine honey and peanut butter.

Heat on the stove until it starts to boil. Remove from heat.

Add the cereal and raisins. Drop onto wax paper. Let cool. Enjoy!

## Share Spaces with Bees

Can you imagine what our world would be like without apples, bananas or blueberries?

Bees make these fruits possible by pollinating the flowers on the plants.

Honeybees are good citizens of our planet. It's important not to kill bees. Bees that are away from the hive collecting nectar usually do not sting because they are worker bees.

You can plant flowers, fruits and vegetables to attract bees to your backyard. Make sure that bees have water nearby, and do not spray insecticides because those will kill the bees.



## Get Moving — Physical Fitness Dancing Bees

When a bee discovers a field of nectar producing flowers, it tells the hive with a special dance. A **circle dance** means flowers are nearby. A **waggle dance**, using their bellies, means flowers are farther away.

**Directions:** Teachers or leaders, make a set of cards with the words: teacher's desk, pencil sharpener, door, chalkboard and garbage can.

Then secretly show a card to a participant. The participant has to communicate to the colony where to locate the nectar. Remind all participants that a circle dance means close by and a waggle dance means far away. Encourage each participant to keep trying until the others understand the message.



# Busy Bees

Bees are important to our world. They pollinate plants. And they make honey that can be used as a sweetener or a preservative in foods.

Pollination is what has to happen for flowers to make fruits and vegetables. Pollen (a dusty yellow powder) has to be placed on certain parts of a flower.

Bees collect nectar from flowers to make honey. As bees are collecting nectar, they also are collecting pollen on their hairy legs.

They must visit a lot of blossoms to collect nectar to make the honey. As they visit flowers, they are dropping pollen and collecting more pollen.

The pollen is carried from flower to flower by the bees. This is how flowers are pollinated or fertilized.

Circle all of the letter "Bs" in the story (include title) above. How many do you count? \_\_\_\_\_



## Word Scrambler

Unscramble each of the words to find the clues.

Take the letters that appear in circle boxes and use them to discover the final message. (Hint: where honeybees live.)

1. EBE
2. HYNEO
3. GNTIS
4. EQNUE
5. Final

ANSWERS: 10 ANSWERS: bee, honey, queen, sting and hive.



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References: [www.scholastic.com](http://www.scholastic.com); [www.yummly.com](http://www.yummly.com); [www.puzzlemaker.com](http://www.puzzlemaker.com); [www.lsuagcenter.com](http://www.lsuagcenter.com); Hollyhocks and Honeybees. Sarah Starbuck, Marla Olthof and Karen Midden; [www.utahcountybeekeepers.org](http://www.utahcountybeekeepers.org)



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