

Honeybee

McKenzie Bovey



Table of Contents

Common Core Standard	3
Characteristics	4
Types of Bees	5
Habitat	6
Communication	7-8
Crops pollinated in the US	9
Interesting Facts	10
Questions and Answers	11
Glossary	12
Work Referenced	13
Media Attribution	14-15

Common Core Standards

- CCSS.ELA-LITERACY.RI.2.2
Identify the main topic of a multipara
graph text as well as the focus of specific
paragraphs within the text.
- CCSS.ELA-LITERACY.RI.2.4
Determine the meaning of words and
phrases in a text relevant to a *grade 2 topic
or subject area*.
- CCSS.ELA-LITERACY.RI.2.5
Know and use various text features (e.g.,
captions, bold print, subheadings,
glossaries, indexes, electronic menus,
icons) to locate key facts or information
in a text efficiently.

Characteristics

What does a honeybee look like?

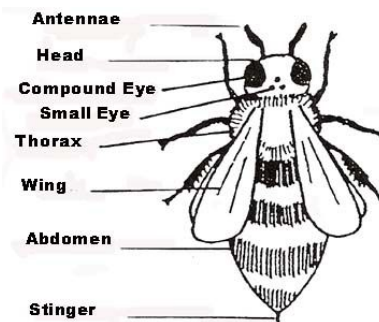
Color:

Honeybees can be a couple of different colors. Most honeybees are golden yellow with black bands around their bodies. Other honeybees are light brown. There is a reason honeybees are usually so bright. Their bright colors warn **predators** that they can sting.

Size:

Worker bees are usually females, and they range from 9 to 18mm long. A queen bee can range from 18 to 20mm in length. They are usually the size of a paperclip!

Can you name the different parts of the honeybee?



Types of Bees

Honeybees live in a hive. The members of the hive are split into three different groups that have different jobs: the queen, workers, and drones.

Queen: She runs the whole hive. Her job is to lay eggs for the hive.

Workers: They are the female bees and their job is to get food for the hive and protect it.

Drones: These are the male bees of the hive. Their job is to mate with the queen bee.



Drone



Queen



Worker

Habitat

Honeybees live all over the world. Most prefer to live in meadows with flowers and woodlands. Within their habitat they build hives or nests inside tree holes and in other places they can safely hide.

Would this be a good place for a honeybee to make its hive?



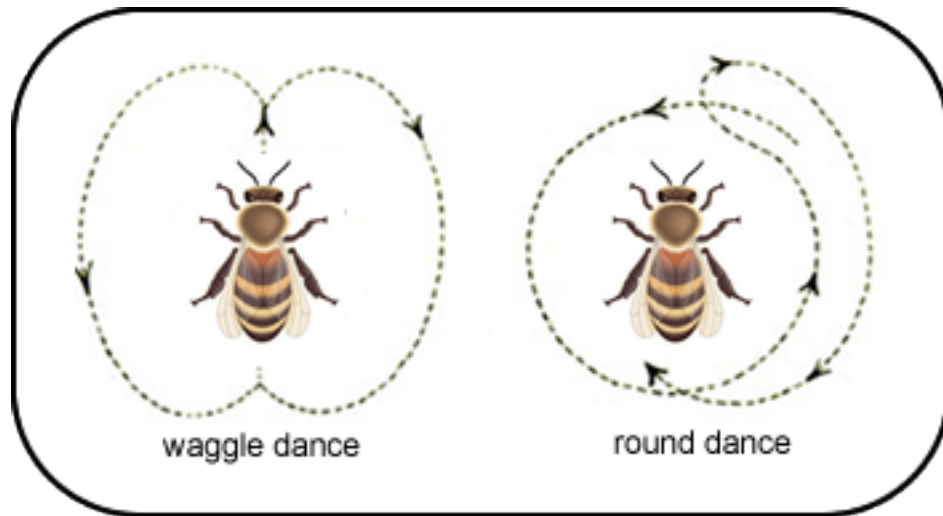
Communication

Honeybees cannot talk like we can, so they have to **communicate** through dancing. The main reason they communicate is to tell the other bees where food is. The two dances they use to communicate are called the round dance and the waggle dance.

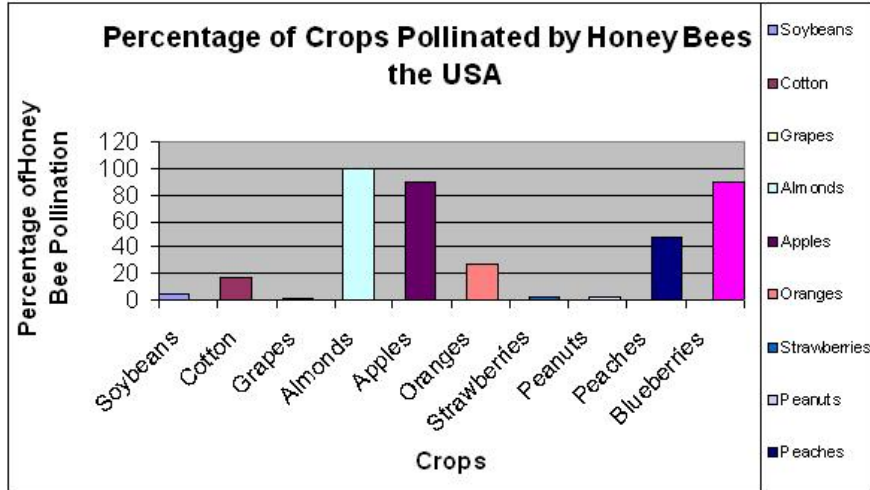
Round Dance: This dance is used for finding the food source 25-100 meters away from the hive. This dance does not show direction.

Waggle Dance: This dance shows direction of the food source and the energy that is required to find the food.

Can you **imitate** the different dances the bees do?



Crops Pollinated by Honeybees in the United States



Interesting Facts

- Honeybees never sleep!
- The queen bee can lay 1,500 eggs a day.
- Honeybees are the only insects that can **produce** food for humans.
- Honeybees have five eyes.
- Honeybees are the only bees that die after they sting.

Questions and Answers

Q: How do honeybees communicate?

A: They communicate through dances. The two dances are round dance and waggle dance.

Q: What type of honeybee lays all of the eggs?

A: The queen bee lays all of the eggs.

Q: What do honeybees live in?

A: They live in a hive.

Glossary

Predators: Animals that live by eating other animals.

Communicate: When someone or something shows their thoughts and feelings.

Produce: To make something.

Imitate: To do the same thing as someone or something.

Works Referenced

- Megony, Kelly L. "Fun Facts about Honey Bees." *Fun Facts about Honey Bees*. Bee Keeping, 8 July 2014.

- http://www.utahcountybeekeepers.org/fun_facts.html

- Sam, Drew M. "Ten Facts About Honey Bees!" *National Geographic Kids*. Honeybees, 6 Feb. 2013.

- <http://www.ngkids.co.uk/animals/Honey-Bees>

- Jones, Seth M. "Honey Bee." *Honey Bee*. Facts Sheet, 5 Aug. 2009.

http://www2.needham.k12.ma.us/eliot/technology/lessons/animals/h_bee.htm

Media Attributions

- Page 1 Sullivan, J. (2015) honeybee, insect, apis, mellifera (free picture) Public Domain Images. Retrieved from <http://www.public-domain-image.com/free-images/fauna-animals/insects-and-bugs/bees-insects-pictures/honeybee-insect-apis-mellifera>. This resource is from the public domain.
- Page 1 USCDCP (2015) hollowed, tree, hole. Public Domain Images. Retrieved from <http://www.public-domain-image.com/free-images/flora-plants/trees/hollowed-out-tree-hole>. This resource is from public domain.
- Page 8 George, B. (2009) Honeybee Dances (free picture) Wikipedia. Retrieved from <https://www.cals.ncsu.edu/entomology/apiculture/media/DanceLanguageTutorial.swf>. This source is from public domain.
- Page 6 Stevens, K (2010) Graph of Pollination. Wikispaces. Retrieved from <https://townipproject09.wikispaces.com/Disappearance+of+Honey+Bees>. This source is from townipproject09.

This e-book and any prints are released under a [CC BY 3.0 license](#) by the author.

This means that you are free to share, remix, transform, and build upon this book as long as you give appropriate credit to the original author.

Included works (e.g., images and other media) may have separate licensing requirements, and this release does not supersede or replace those requirements.

This e-book template is provided under a CC BY 3.0 license by the University of Idaho College of Education. If you use, share, remix, or transform this template, you should include this page at the end of your book.

University of Idaho
College of Education