



Teacher Resource

# World Bee Day

## Focus Questions

1. What did the World Bee Day story explain?
2. How many known types of bees are there?
  - a. 200
  - b. 2,000
  - c. 20,000
3. Bees live on every continent except \_\_\_\_\_.
4. How do bees communicate?
5. Researchers in the Netherlands are teaching bees to use their sense of smell to detect \_\_\_\_\_.
6. Bees are the only insect that can make food that humans can eat. True or false?
7. Which insect is considered that most important pollinator on the planet?
8. What are some threats to bees?
9. Give examples of ways people can help to protect bees.
10. Find 3 interesting facts about bees. Share with the class.

## Activity: Quick Bee Quiz

Begin the World Bee Day activity with a quick true or false quiz. Circle the correct answer.

|  |                          |
|--|--------------------------|
| 1. Bees collect nectar from flowers to make honey                    | <b>True</b> <b>False</b> |
| 2. When collecting honey, beekeepers use smoke to calm the bees down | <b>True</b> <b>False</b> |
| 3. Both male and female bees leave the hive to collect nectar        | <b>True</b> <b>False</b> |
| 4. Bees live on every continent                                      | <b>True</b> <b>False</b> |
| 5. Honey can be described as bee vomit                               | <b>True</b> <b>False</b> |

Answers: 1 True. 2 True. 3 False, only female bees leave the hive to collect nectar. 4. False, bees don't live on Antarctica. 5 True.

## Activity: Class Discussion

Hold a class discussion about the information raised in the BTN World Bee Day story. Create a class mind map with BEES in the middle. Use the following questions to guide discussion:

- Why do bees pollinate flowers?
- What jobs do different bees have in the colony?
- Why are bees important?

### EPISODE 13

18<sup>th</sup> May 2021

#### KEY LEARNING

Students will explore the features of the honey bee and learn more about the anatomy of a bee.

#### CURRICULUM

##### Science – Year 4

Living things have life cycles. Living things depend on each other and the environment to survive.

##### Science – Year 5

Living things have structural features and adaptations that help them to survive in their environment.

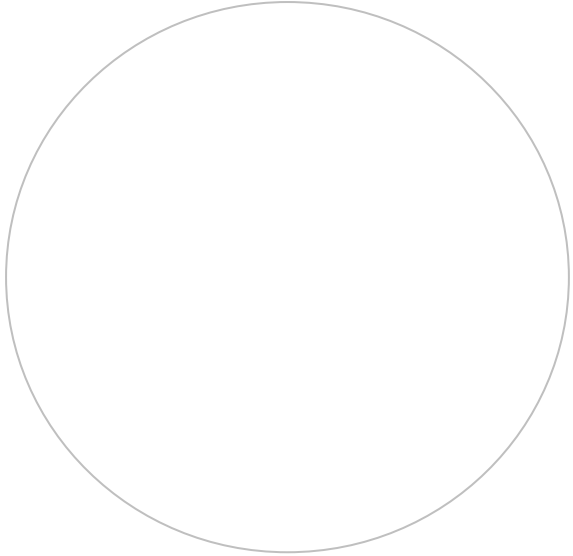
##### Science – Year 6

The growth and survival of living things are affected by physical conditions of their environment.



## Activity: Profile of a bee

Students find out more about the honey bee and create a profile. Use the template below to guide your research.

|  |  |
|--|--|
| <p><b>COMMON NAME:</b></p> <p><b>SCIENTIFIC NAME:</b></p> <p><b>APPEARANCE:</b></p> <p><b>HABITAT:</b></p> |  <p>Illustration/photo</p> |
| <p><b>ADAPTATIONS:</b></p>   |  |
| <p><b>THREATS:</b></p>   |  |
| <p><b>UNIQUE FEATURES OR INTERESTING FACTS:</b></p>  |  |

### Further Investigation

Investigate in more detail the important role bees play in the following areas:

- Food Security
- Biodiversity
- Ecosystem Health

## Activity: Anatomy of a bee

Students will learn more about the different parts of the honey bee by labelling the image below or create their own labelled diagram. They can then choose three features to explore in more depth and write a paragraph about each feature.

Antennae

Wing

Pollen sac

Proboscis

Mandibles

Thorax

Eye

Abdomen

Head



## Activity: Choose a project

Individually or in small groups, students will choose one of the following projects to work on and then present their findings to the class.

**Make a Bee Hotel!**  
Watch this [Gardening Australia video](#) to learn how to make a bee hotel to welcome as many bee species as possible.

**How do Bees Communicate?**  
Why is it important for bees to communicate? Watch [Why do bees boogie? video](#) to find out more.

**Bee Friendly Garden**  
Design a honey bee garden for your school. Include a map, special features and make a list of the top 10 honey bee attracting plants.

**Beeswax Wrappers**  
Make your own reusable beeswax food wrappers. Discuss the benefits of using beeswax wrappers instead of plastic wrap.

## Useful Websites

- [Honey Bee](#) – Australian Museum
- [Bee Heroes Digibook](#) – ABC Education
- [Junior Beekeepers](#) – BTN
- [Bee Business](#) - BTN
- [Bee Problems](#) – BTN
- [Interesting Bee Facts](#) – ABC Education