



# bee aware month

Love our bees.

A big thank you to our sponsors  
for helping us spread the love.



For more info on bees:

[apinz.org.nz/resources/learn-about-bees](http://apinz.org.nz/resources/learn-about-bees)

[sciencelearn.org.nz/topics/bees](http://sciencelearn.org.nz/topics/bees)

[natgeokids.com/nz/discover/animals/insects/honey-bees](http://natgeokids.com/nz/discover/animals/insects/honey-bees)



## Activity Book

NAME: \_\_\_\_\_



# Meet the Bees

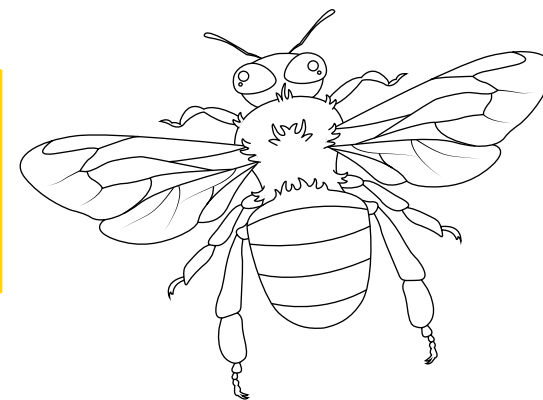
## Queen Bee

I'm the mum of all the bees in the hive. My job is to lay eggs. In summer I can lay up to 1,500 eggs a day. I live for up to three years!



## Drone Bee

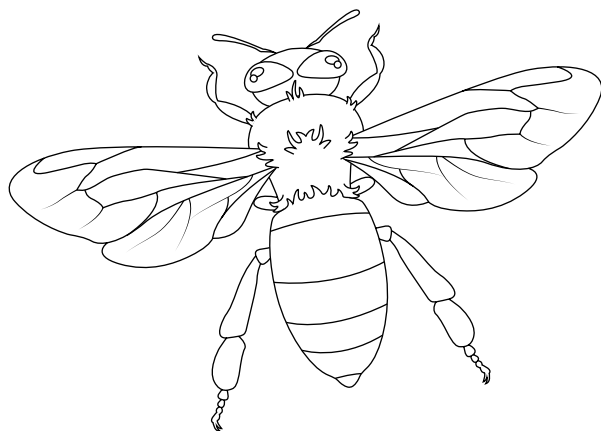
Drones are the only males in the hive and our one job is to mate with a queen. I live up to four months.



Colour us in!

## Worker Bee

I do all the work around the hive. I clean it, gather nectar, look after baby bees, groom the queen and guard the hive from enemies like wasps. I live for four to eight weeks.



## Love our Bees Primary Schools Video Competition

Calling all students!  
Make a video of two  
minutes or under on the  
theme 'Love our Bees!'

Your video could tell us why you love bees or give us tips on how to share love with bees. First prize is a beehive and a \$200 Mitre 10 voucher, plus other goodies!

**To enter:**  
Go to the Bee Aware Month webpage  
[www.apinz.org.nz/bee-aware-month](http://www.apinz.org.nz/bee-aware-month)  
and download our entry form.

## Why We Love Our Bees



They make sweet, delicious honey!



They help make lots of other foods!



They communicate by dancing!



Bees help make lots of other foods including kiwifruit, apples, avocados and even chocolate by pollinating plants. They also make beeswax, which is used in candles and wax food wraps!



They make sweet, delicious honey! Our New Zealand bees make lots of different, delicious honey from our native trees. Have a try of rātā, rewarewa, pōhutukawa or kāmahī honey. Which is your favourite?



Bees communicate by dancing! When bees want to tell their hive-mates where to find nectar they do the waggle dance. Some bees also do a grooming dance when they need a bit of a clean.

## How To Help Bees



Plant food for bees!



Give bees a drink!



Spray when bees are away!



Give bees a drink! Bees need water just like we do. Leave out a saucer of fresh, pesticide-free drinking water for bees. Remember to put some pebbles or twigs in the saucer for the bees to stand on.



Plant food for bees. Bees love wildflowers! They will forage on these flowers for nectar and pollen. Wildflowers give bees the energy they need to grow and stay strong.



Spray pesticides when bees are away! If you need to spray your garden do it early in the morning or at sunset while bees are asleep. Use bee-friendly sprays.

# Honey Hokey Pokey!

## Ingredients:

- 3 T Mild honey like clover
- 1 T Golden syrup
- 175g Caster sugar
- $\frac{3}{4}$ -1 t Baking soda

## Method:

1. Line a Swiss roll tin with baking paper.
2. Put honey, golden syrup and sugar in a heavy-bottomed saucepan with three tablespoons of water.
3. Set the pan over a low heat and stir until the sugar dissolves.  
**Do not let the sugar mixture bubble before the sugar is fully dissolved.**
4. Bring to the boil, then lower the heat and let it bubble until it reaches 150°C (or it passes the snap test).  
**Do not let the mixture go over 150° or it will burn.**
5. As soon as the syrup reaches 150°, remove it from the heat.
6. Using a long-handled spoon, stir in the baking soda. It will immediately froth and foam.
7. Pour the mixture promptly into the prepared tin and leave to cool.
8. Break into chunks and use immediately or store in an airtight container.



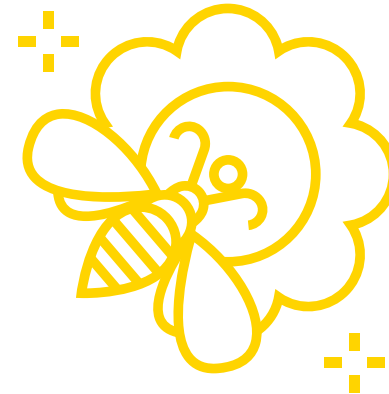
## The Snap Test!

Drop a small amount of mixture into a cup of ice cold water. When you touch it, it should snap and not be soft or bendy.



# Bee Facts: True or False

1. Honey bees have been around for more than 100 million years.
2. Honey bees have a special 'honey stomach' to carry the nectar they collect back to the hive.
3. All honey bees have stings.
4. Bees communicate by buzzing with each other.
5. Honey bees smell with their antennae.
6. Beekeepers use smoke to calm down bees so they can reach the honey.
7. Bees only see in black and white.
8. Honey bees die if they sting you.



- Answers:
1. True
  2. True
  3. False, drones don't have stings
  4. False, bees communicate by dancing
  5. True
  6. True
  7. False, bees see in colour. They can even see ultraviolet, which is invisible to humans
  8. True