

# LESSON OVERVIEW FOR PARENTS



# How Animals and Insects Communicate

This is the time of year when nature seems to come alive again. We are seeing far more Animals
and Insects than we do during our colder winter months. This lesson focuses on the
communication methods that are used by these animals and insects as they Find mates, Find
food, Establish dominance, Defend territory, Coordinate group behavior, Care for young and go
about their natural existence.

#### Lesson objectives

- Explain the various methods used to communicate.
- Explain the purposes behind these communications.

#### Outcomes

- Students will understand that there are several non-verbal communication methods.
- Students will understand that there are various reasons that communication is necessary.
- Students will use non-verbal communication to direct a family member to a specific location

#### Resources

Animal and Insect Communication Animal Communication— An Introduction https://www.youtube.com/watch?v=LsMbn3b1Bis Bee Dance Language https://www.youtube.com/watch?v=pb1lRI-YePU What's the Waggle Dance? And Why Do Honey Bees Do It? https://www.youtube.com/watch?v=LU KD1enR3Q The Waggle Dance of the Honeybee https://www.youtube.com/watch?v=bFDGPgXtK-U Types of animal communication https://www.youtube.com/watch?v=S3X-NkvE49o 9 Weird Ways Animals Communicate https://www.youtube.com/watch?v=JJ2ebYNtFUA 11 Weird Ways Animals Communicate https://www.youtube.com/watch?v=cX7LUNed7Sc Animal Communication https://www.youtube.com/watch?v=i74RbATjBk4 25 Amazing Ways Animals Communicate https://bestlifeonline.com/animal-communication/

# How Animals and Insects Communicate

Animal and Insect communication is the transfer of information from one or a group (sender or senders) to one or more other animals or insects (receiver or receivers) that affects the current or future behavior of the receivers.

Communication is usually between animals and Insects of a single species, but it can also happen between different species.

Animals and Insects communicate using signals, which can include:

- Visual
- Auditory (sound-based)
- Chemical (pheromones)
- Tactile (touch-based)

Communication behaviors help animals and Insects to:

- Find mates
- Find food
- Establish dominance
- Defend territory
- Coordinate group behavior
- Care for young.

#### Watch the following two videos:

Animal Communication— An Introduction <u>https://www.youtube.com/watch?v=LsMbn3b1Bis</u> Bee Dance Language https://www.youtube.com/watch?v=pb1IRI-YePU

## What did you learn about how bees communicate?

What is the bees communication method called?

What type of signal or signals do bees use when they communicate?

What information is being communicated by the bee?







### Are you smarter than a bee?

- Using all of the information that you have learned about how bees communicate, direct another family member to a specific location.
- Find a secret spot inside or outside of your house to be the target of your directions.
- Explain to your bee friend (family member) how you are going to communicate non-verbally where to find this secret target.
- Use all of your non-verbal communication to direct them.
- Now, see if they are able to go directly to your secret target.
- Once they are successful, switch roles and see if you have taught them the bees non-verbal communication method well enough to direct you to a secret target that they picked.
- Have fun with this and demonstrate to other Bee friends your new non-verbal communication skills. Do not tell them what your doing and see if they are able to pick up on the signals.

What was the most difficult part of being a bee?

How well did you do at directing your bee friend?

What is the most amazing information that you learned about bees Non-verbal communication?









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