

Busy Buzzing Bees

Overview

Overall Goal: Children learn about the special features of honeybees and their important role in helping transfer pollen from one flower to another.

Lesson	Objectives	Vocabulary	Key Concepts	Tools
#1: Pollination	Children will investigate how a honeybee's legs help transfer pollen from flower to flower.	abdomen antennas honeybee pollen pollination stinger thorax wings	<ul style="list-style-type: none"> • Bees are insects, and all insects have three pairs of legs, a head, thorax and abdomen, and one pair of antennae. • Bees have two pairs of wings. • Bees have a stinger they use to protect their hive. • As bees move from flower to flower, pollen gets trapped in their hairy legs and body. • Pollen falls off the bees' legs and is transferred from one flower to another. 	bee model real honeybee in resin
#2: Honey	Children will explore how honeybees use their proboscis to collect nectar to make honey.	beehive hexagon honey honeycomb nectar proboscis	<ul style="list-style-type: none"> • Bees have a hairy, straw-like tongue called a proboscis. • Bees use their proboscis to gather nectar from flowers for food. • Bees live in beehives. • Bees store nectar in their honeycombs. • Each honeycomb is made up of hexagonal (six-sided) cells. 	dropper
#3: Scent of a Bee	Children will learn that honeybees use their antennae to smell, and that honeybees living in the same hive have the same scent.	scent senses smell(s)	<ul style="list-style-type: none"> • Bees that live in the same beehive have the same scent. • Bees use their antennae to smell and identify bees from their beehive. • Bees also use their antennae to find their own beehives. 	
#4: Bee Dance	Children will be able to describe how honeybees use body movement to communicate the location of a flower.	communicate near/far waggle dance	<ul style="list-style-type: none"> • There are many ways to communicate, or say things, without talking. • Bees communicate using a special dance. • When bees find flowers they tell other bees in their hive where the flowers can be located by doing a waggle dance. • A figure-8 dance means the flowers are far away. • A circle dance means the flowers are near. 	