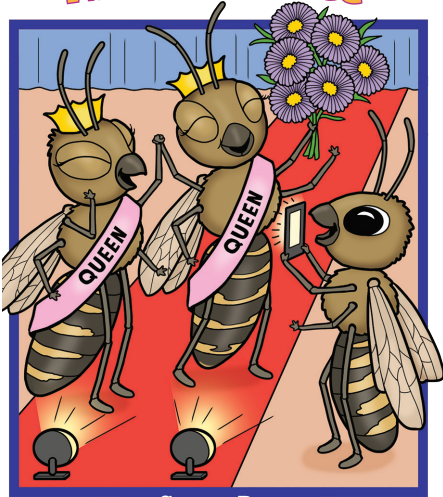


# The Socialite



Sweet Bee



Bees help make our food!



# SuperBee



Hylaesus



Bees help make our food!



# BIG Lumberjack



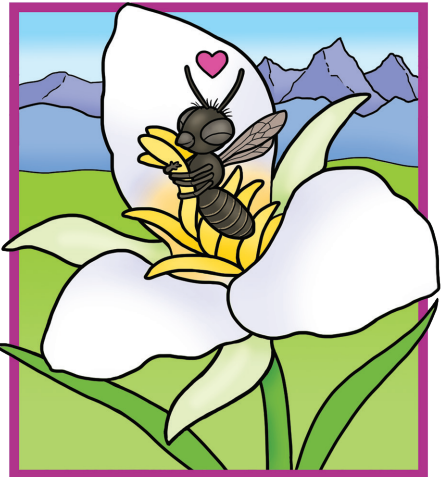
Carpenter Bee



Bees help make our food!



# Lily



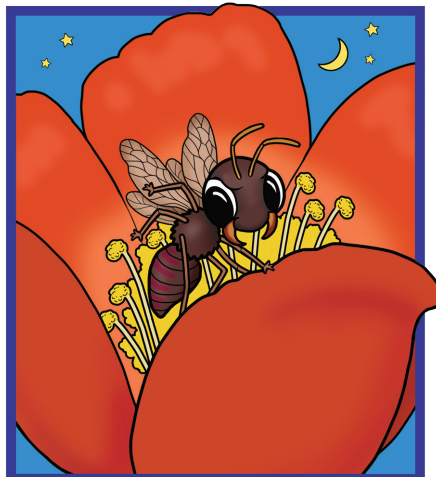
Sweet Bee



Bees help make our food!



# Spooky



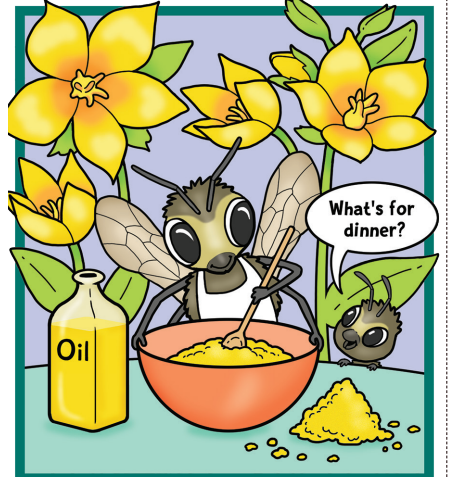
Macrotera



Bees help make our food!



# Oily



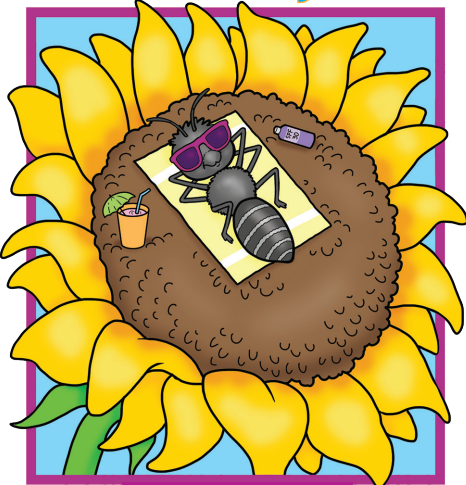
Macropis



Bees help make our food!



# Sunny



Hesperapis spp.



Bees help make our food!



# Cactus



Chimney Bee



Bees help make our food!



# Battle of the Bees

Just like people, all bees are unique. Different species have their own set of special skills that help them adapt to their environment. This game lets you learn about these adaptations and how they give some species special advantages. Each card highlights a different type of bee, and each bee is given a score in four different skills we call **powers**. The higher the number (1-10), the greater the advantage the bee has in that power.

- 🌀 **Pollinating power:** how much a bee contributes to crop pollination and food production.
- 🌿 **Survival power:** a bee's ability to survive harsh environmental conditions such as drought, flood and disease.
- 🛡️ **Defense power:** a bee's ability to fight off predators.
- 🌱 **Specializing power:** a bee's tendency to pollinate just one type of plant.

## BIG Lumberjack



I'm one of the biggest, toughest bees in Oregon, but I'm no bully! I'm a carpenter bee like Lil' Lumberjack! My pal Lil' chews holes in plant stems, but I use my strong jaws to chew holes in dead wood. Did you know that tree stumps make great nurseries? After visiting lots of different flowers, I bring pollen and nectar back to my tree-stump nursery to feed the larvae growing there.

Pollinating	?	<b>Bee Powers</b>
Survival	?	
Defense	?	
Specialization	?	

## SuperBee



I might look like a black speck, but I'm called a masked bee because I have white marks on my face that make me look like I'm wearing a superhero's mask! I spend my days flying from flower to flower, pollinating plants and helping them grow. I don't have hairs on my legs to collect pollen, so I eat it and store it in my stomach until I get home to my nest in a hollow twig. Up, up and away!

Pollinating	?	<b>Bee Powers</b>
Survival	?	
Defense	?	
Specialization	?	

## The Socialite



I'm called a furrow bee because I build my nest by burrowing into hard-packed soil. So why the name Socialite? Because like my cousin Olympia, I'm super social! My nest contains dozens of worker bees, and sometimes more than one queen! Olympia and I are both sweat bees, which means we're attracted to the salt in human sweat. If you're sweating on a hot day, I might even be attracted to you!

Pollinating	?	<b>Bee Powers</b>
Survival	?	
Defense	?	
Specialization	?	

## Oily



My name is Oily because I'm an oil-collecting bee—the only one in Oregon! I visit plants called yellow loosestrife that release oil from the base of their flowers. I mop up the floral oils using the long, spongy hairs on my front legs. Then I mix the oil with pollen and bring it to my underground nest to feed my young. Wouldn't you like to try some?

Pollinating	?	<b>Bee Powers</b>
Survival	?	
Defense	?	
Specialization	?	

## Spooky



Humans call bees like me goblin bees because they think our huge heads make us look scary. They even call our genus *Macrotera*, which means "big monster"! But don't be scared! I'm as small as my cousin Perdita, the Fairy Bee, and just as gentle. I love to visit native desert plants called globe mallow, but I'm so tiny I have to be careful not to get lost in its flowers!

Pollinating	?	<b>Bee Powers</b>
Survival	?	
Defense	?	
Specialization	?	

## Lily



My friend Rocky and I both love volcanoes, but Rocky nests in lava holes, whereas I nest in the ground. I come out of my nest to visit the thousands of small white Mariposa lilies that bloom in summer high up on Oregon's volcanoes. If you ever visit Mount Hood and notice a small black bee pollinating a white lily, say hello to Lily!

Pollinating	?	<b>Bee Powers</b>
Survival	?	
Defense	?	
Specialization	?	

## Battle of the Bees

### How to Play

1. Shuffle and deal the cards face down.
2. Players pick up their cards and look at their top card only.
3. Player 1 (left of dealer) chooses and calls out their best stat (for example, "Pollinating power = 8").
4. The other players see if they can beat this stat (highest number wins).
5. The player with the highest stat wins all the top cards and adds them to the base of their pile.
6. The winner of the round chooses the stat for the next round.
7. The first player to get all the cards wins!

Find more games and activities at [www.foodhero.org/bees](http://www.foodhero.org/bees)

## Cactus



Bees like me are often called chimney bees because we build turrets that look like little chimneys outside our underground nests. We're also called cactus bees because we specialize in pollinating the cacti that grow in eastern Oregon. Although we're solitary, when many of us find a group of cacti we like, we'll all build our nests nearby. Next time you see tiny chimneys in sandy soil, watch your step!

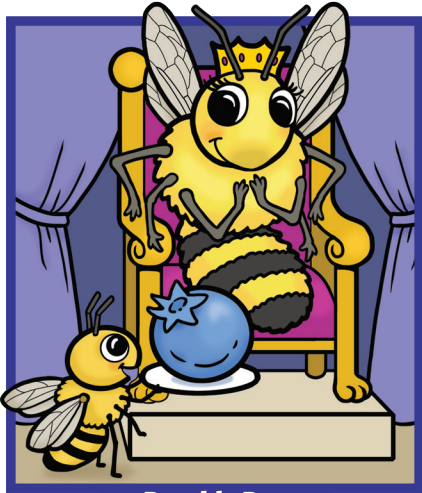
Pollinating	?	<b>Bee Powers</b>
Survival	?	
Defense	?	
Specialization	?	

## Sunny

With the name Sunny, I bet you can guess my favorite flower! That's right! I make a beeline to wild sunflowers! I'm a solitary, ground-nesting bee, and humans who've seen me say I'm beautiful. But I'm not common—I've been found only in eastern Oregon in late summer. My cousin Oily and I belong to one of the oldest bee families—Melittidae. So you might call Oily and me early bees!

Pollinating	?	<b>Bee Powers</b>
Survival	?	
Defense	?	
Specialization	?	

# Bumbles



Bumble Bee



Bees help make our food!



# Bling Bee



Green Metallic Sweat Bee



Bees help make our food!



# Sly



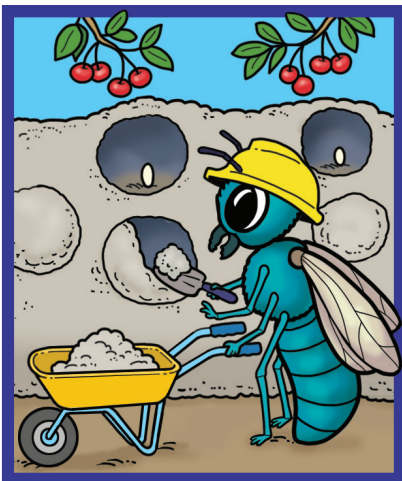
Cuckoo Bee



Bees help make our food!



# The Mason



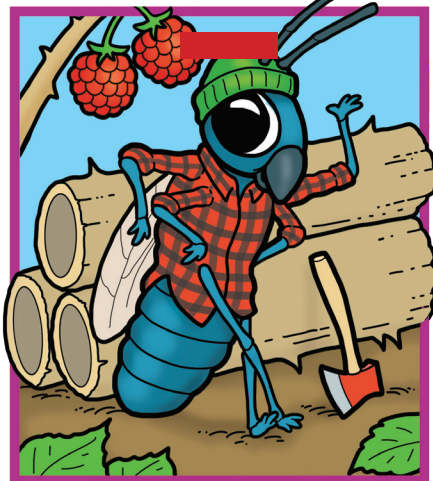
Mason Bee



Bees help make our food!



# Lil' Lumberjack



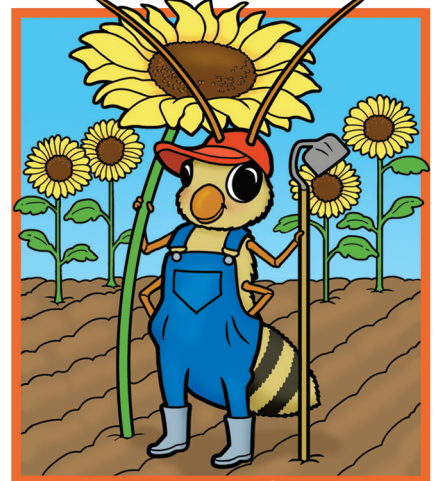
Carpenter Bee



Bees help make our food!



# Long Horns



Long-Horned Bee



Bees help make our food!



# Cutie Bee



Digger Bee



Bees help make our food!



# Fuzzy



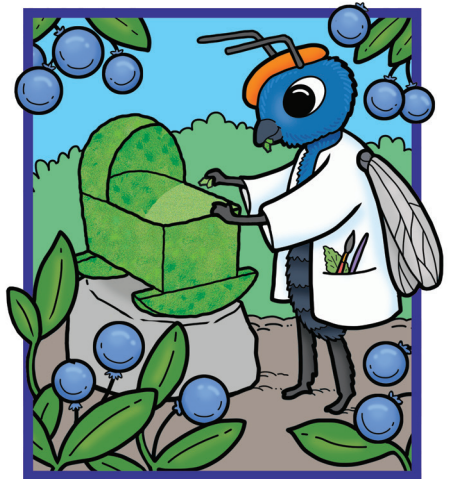
Long-horned bee



Bees help make our food!



# Chomper



Mason Bee



Bees help make our food!



# Sly



People call me and Stealer and Sneaky cuckoo bees, but we're not crazy! We're the smartest bees around! Instead of building nests and gathering pollen, we steal them! Here's how I do it! I scope out the ground nests of mining bees. When they leave to visit flowers, I break in. Then I lay my eggs. When they hatch, my larvae eat the pollen the mining bee brings home. Who says crime doesn't pay?

Pollinating	0
Survival	7
Defense	9
Specialization	0

**Bee Powers**

# Bling Bee



I'm called Bling because I love to show off my bright green shine! But I'm not just pretty to look at! Green metallic sweat bees work hard pollinating lots of plants. After a long day in fields and gardens, I fly back to the tunnel in the ground where I nest with my family. Our nest keeps us safe and warm, so we can get our beauty sleep!

Pollinating	7
Survival	8
Defense	6
Specialization	2

**Bee Powers**

# Bumbles



We bumble bees always have something to buzz about! We live in colonies buzzing with an army of workers, and when we collect pollen, we vibrate our bodies, making a buzzing sound. It's called buzz pollination, and some flowers can't release their pollen without it! I love to pollinate berries, like those cranberries I see ahead. Time to buzz off!

Pollinating	9
Survival	5
Defense	9
Specialization	3

**Bee Powers**

# Long Horns



Pardon me if I don't say much. I'm just shy. That's because I live alone—all long-horned bees do. We nest in ground tunnels, but we're too timid to defend them. We'd rather go visit our favorite plants, the sunflowers. Only long-horned females collect pollen, though. They carry it on thick hairs on their back legs. Goodness! I guess I did have a lot to say!

Pollinating	4
Survival	6
Defense	3
Specialization	7

**Bee Powers**

# Lil' Lumberjack



Most lumberjacks cut with axes, but I can cut with my mouth! Carpenter bees like me use our sharp mouth parts to hollow out the woody stems of plants like blackberries. Then we grind up the woody pulp and use it to build walls inside the stem. When the sun goes down, my family and I love to fly back to our "berry" cozy home.

Pollinating	3
Survival	7
Defense	2
Specialization	3

**Bee Powers**

# The Mason



A mason is a person who builds with bricks or stone, but I build with mud or clay. We mason bees have special paddles on our jaws that help us roll mud or clay into balls that we stack together to build the walls of our nests. We work hard outdoors, too, pollinating orchard crops like apples and cherries. Next time you have cherry pie, thank a mason bee!

Pollinating	7
Survival	5
Defense	4
Specialization	6

**Bee Powers**

# Chomper



I'm a mason bee, but instead of mucking around in mud or clay, I get creative! First, I use my strong jaws to chomp leaves to pulp. That's why my name is Chomper! Then, like a sculptor, I use the pulp to build my nest! Farmers use blueberry mason bees like me to pollinate their blueberry fields. Can you guess my favorite color?

Pollinating	7
Survival	5
Defense	4
Specialization	6

**Bee Powers**

# Fuzzy

Take one look at me and you'll guess my name—Fuzzy! I might seem cuddly, but dusky long-horned bees are hard-working and loyal! That's because we're tarweed-dependent: we pollinate only tarweed flowers, and we never stray. Tarweed flowers are in the sunflower family and, like sunflowers, have edible seeds. I'm helpful to Indigenous Peoples because they grind the seeds to make dough for baking.

Pollinating	4
Survival	6
Defense	3
Specialization	8

**Bee Powers**

# Cutie Bee

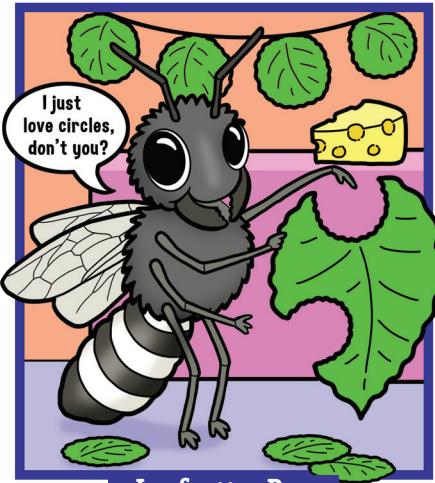


If you can't chat right now, that's okay. I'm used to waiting. Digger bees like me start out as eggs in an underground nest in spring—but we don't emerge as adults for a whole year! Even then, we wait patiently for our flowers—the wax currants—to bloom. I'm small and fuzzy and people say I'm adorable. I don't mind waiting for you to say so, too!

Pollinating	?
Survival	?
Defense	?
Specialization	10

**Bee Powers**

# Scissor Head



Leafcutter Bee



Bees help make our food!



# GrumpBee



Mining Bee



Bees help make our food!



# The Salty Dog



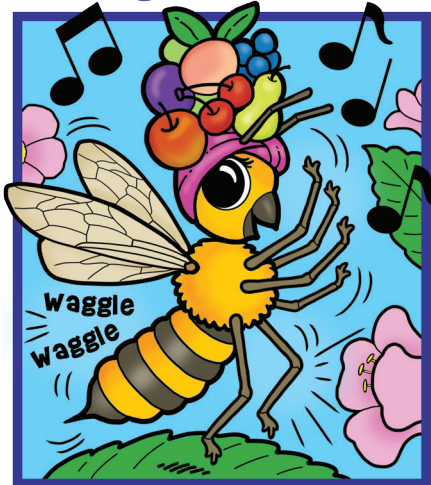
Alkali Bee



Bees help make our food!



# Waggle Dancer



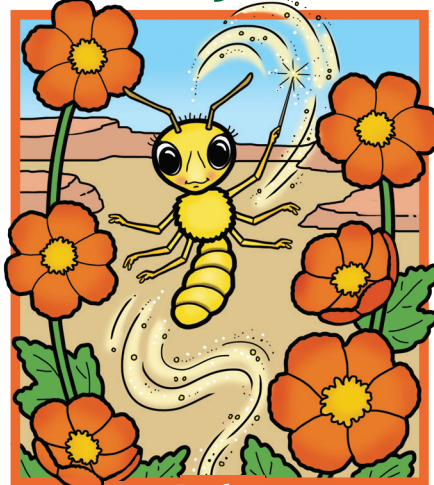
Honey Bee



Bees help make our food!



# Fairy Bee



Perdita



Bees help make our food!



# The Picky Eater



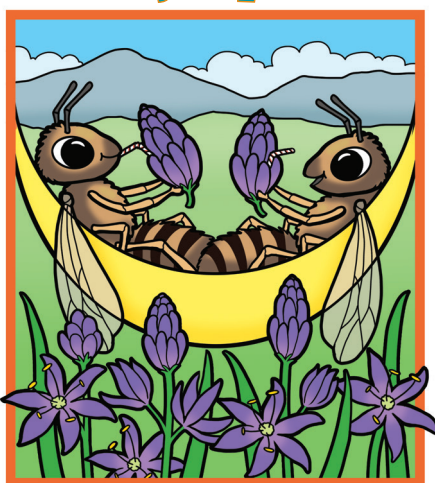
Squash Bee



Bees help make our food!



# Olympia



Sweat Bee



Bees help make our food!



# Rocky



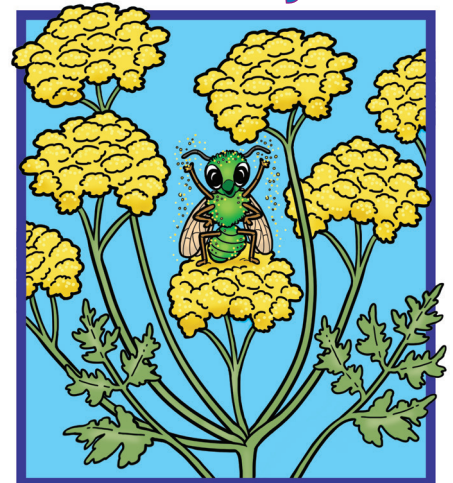
Lava Hole Bee



Bees help make our food!



# Flashy



Mining Bee



Bees help make our food!



## The Salty Dog



My name is Salty Dog, and I'm an alkali bee, the only species of managed ground-nesting bee in the world! Farmers raise alkali bees to pollinate alfalfa flowers, then use the alfalfa seeds to grow hay to feed their animals. Alkali bees got their name because they nest in salty, alkaline soils. We also have beautiful stripes on our abdomens. I'm proud to be an alkali bee!

	Pollinating	6	<b>Bee Powers</b>
	Survival	6	
	Defense	6	
	Specialization	6	

## GrumpBee



Mining bees dig complex ground tunnels where each female builds her own nest. These deep nests help us survive in harsh habitats. Females have velvety hairs on their forehead that may help them communicate underground. My name is GrumpBee, and I'm a male. My face may look grumpy, but I'm very gentle. Some people even call mining bees like me "tickle bees"!

	Pollinating	5	<b>Bee Powers</b>
	Survival	7	
	Defense	5	
	Specialization	8	

## Scissor Head



Let me introduce myself: Scissor Head, the most social bee you'll ever meet! In alfalfa fields, thousands of leafcutter bees like me live together in outdoor houses we build from little pieces we cut out of leaves. We're also the #1 pollinator of alfalfa grown for seed, even beating our friends the alkali bees. But who's keeping score?

	Pollinating	7	<b>Bee Powers</b>
	Survival	4	
	Defense	1	
	Specialization	6	

## The Picky Eater



I'm a picky eater, but that's okay! All squash bees are! We only eat squash pollen, we only drink squash nectar, and we only build our nests in ground tunnels at the base of squash plants. Squash grows in fields across the United States, so we can make lots of places our home. If a predator invades our nest, we just move on!

	Pollinating	6	<b>Bee Powers</b>
	Survival	6	
	Defense	3	
	Specialization	9	

## Fairy Bee



Yoo-hoo! Over here! You can't see me, can you? That's because I'm a Perdita bee, one of the smallest bees in the world. Some Perdita bees are smaller than a grain of rice! We often have colorful markings, but you'd need a magnifying glass to see them. And some of us are rare because we only visit rare plants. Oh, dear! I do hope we get to see each other soon!

	Pollinating	1	<b>Bee Powers</b>
	Survival	1	
	Defense	1	
	Specialization	10	

## Waggle Dancer



How would you send a message if you couldn't use words? When European honey bees like me want to communicate, we use a "waggle dance." We visit lots of flowers and are the most popular managed bee in the world. An army of worker bees keeps our hive running and defends against invaders. Next time you see me outside, won't you dance with me?

	Pollinating	10	<b>Bee Powers</b>
	Survival	3	
	Defense	9	
	Specialization	1	

## Flashy



You might miss me because I'm less than an inch long. To spot me, you need to sit patiently by wild biscuitroot plants when their yellow flowers bloom. Although I'm tiny, I'm flashy, with a metallic green and bronze body. And I'm mighty! By pollinating biscuitroot flowers, I help make their seeds. These grow into plants that have a tuber some Indigenous Peoples use for food.

	Pollinating	-	<b>Bee Powers</b>
	Survival	-	
	Defense	-	
	Specialization	-	

## Rocky

Who's the rarest bee of all? I am! My name's Rocky! People have only seen lava hole bees like me six times ever! That's because we nest in lava fields, in holes that formed in volcanic rock thousands of years ago. We forage for pollen on penstemon plants. When we fly by, people don't notice us because we're less than a quarter-inch long. It's sunset! Time to disappear again!

	Pollinating	?	<b>Bee Powers</b>
	Survival	5	
	Defense	8	
	Specialization	low?	

## Olympia



I'm a sweat bee like my cousin Bling. But green metallic sweat bees are usually solitary, whereas Olympia sweat bees like me are social. When we need food, my sisters and I go out and pollinate camas flowers, but we'd rather just hang out together in our colony. Some people call us lazy sweat bees, but we just like to have fun!

	Pollinating	?	<b>Bee Powers</b>
	Survival	5	
	Defense	8	
	Specialization	low?	