

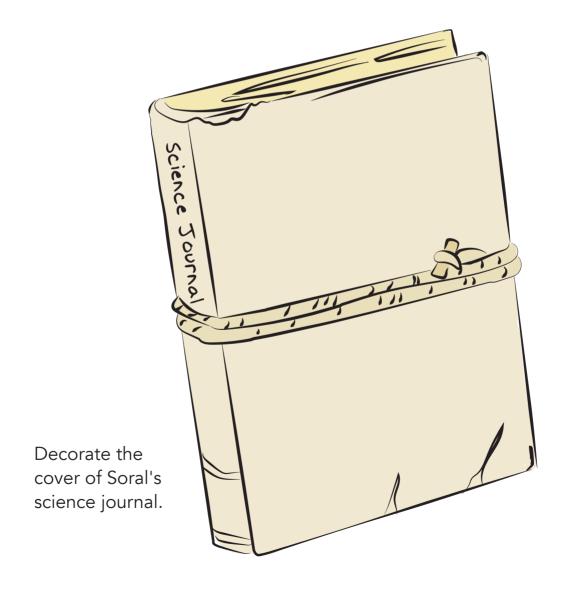




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Soral's Bird Cafe

This is Soral. Soral loves birds. She wants to be an ornithologist when she grows up. An ornithologist is a bird scientist. Gophie is Soral's best friend. He likes birds too.





Today Soral and Gophie are going to be scientists. Can you guess what they are going to do? Soral wants to see what birds are attracted to her birdseed. She makes a bird feeder and fills it with seeds. She calls it her bird cafe. She is going to participate in a feeder watch program!



What types of birds live in your neighborhood? Can you describe them?





Soral excitedly sets out all her seeds. Do you see any birds? Soral can't either. She will have to wait to see if birds can find her birdseed and her hummingbird feeder.





The next day Soral watches her feeder but she can't see any birds. Her Mom reminds her that experiments take time and patience. Maybe tomorrow the birds will come. Soral sadly records a "0" in her science journal because she did not see any birds at her feeder today.



Why do you think there were not any birds at Soral's feeder today?



It worked! The next morning Soral finds many small brown birds eating the corn from her feeder!

She runs to get her science journal. Help Soral by counting and recording the birds that she sees near the feeder. Write down the number in her journal.



Why do you think there is only one type of bird at the feeder?

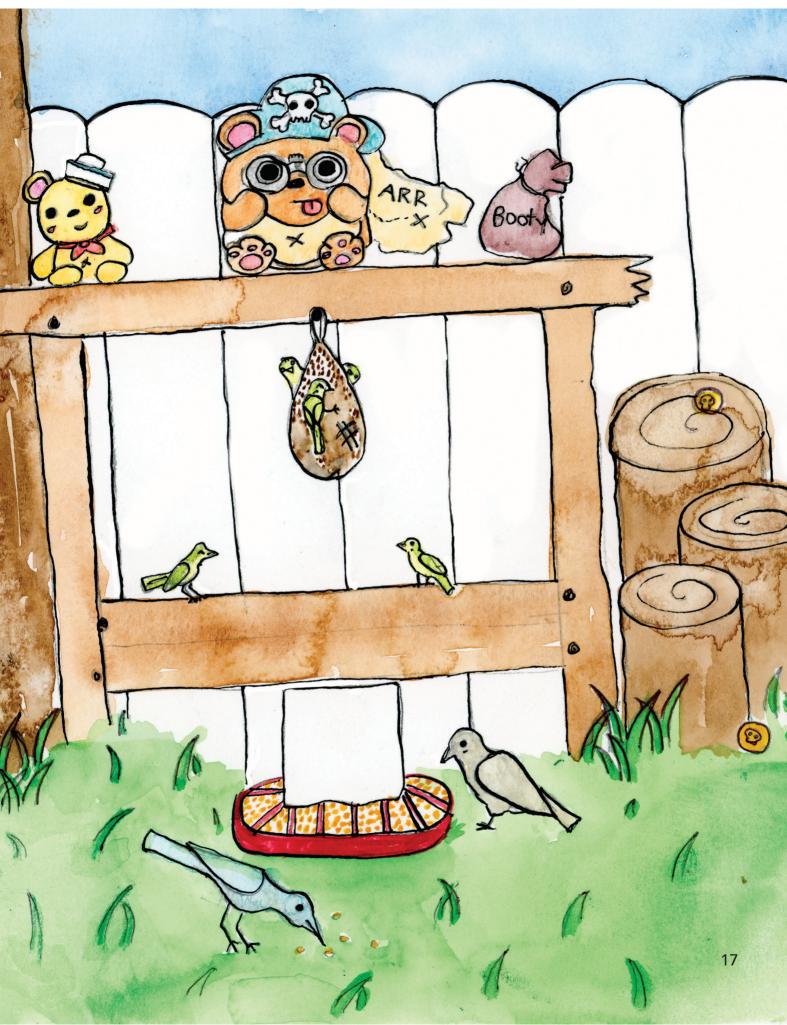




The next day Gophie wants to help. He gets out his binoculars and climbs into the tree fort to quietly watch the birds. He pretends he is a pirate.

There are a lot of different birds today. Help Gophie and Soral with their observations.



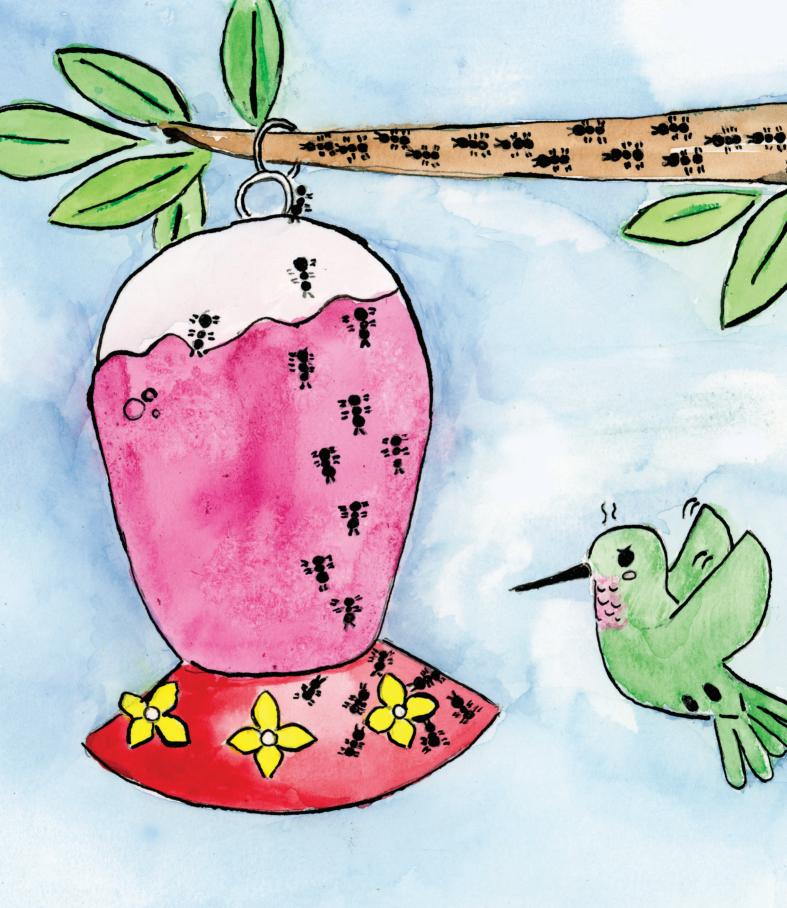




Soral and Gophie have fun watching what birds come to their feeders. Today they spot some new visitors! Can you tell which birds are here for the first time

Help Soral be a careful scientist by recording her feeder watch observations.





Soral put nectar out to attract hummingbirds. Oh no! Mrs. Hummingbird is not happy! She is darting all around and flies away without taking a drink.

'What is wrong?' thought Soral as she stepped outside to take a closer look.

Ants! Quickly, Soral washes the ants off the feeder and moves it to another branch.

Soral has a lot to write about today. She learned that ants love sweet hummingbird nectar but hummingbirds do not like ants.

What type of food did Soral put out to attract hummingbirds?

How are the feeding habits of hummingbirds different than those of other birds?

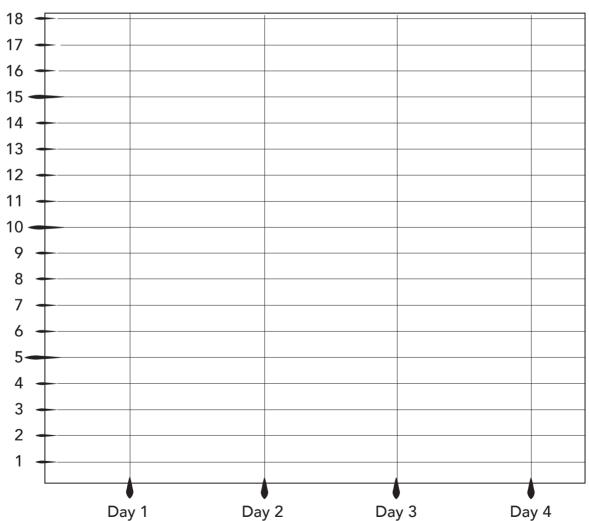




Soral loves being a scientist. Thank you for helping her keep careful notes. Now Soral is going to make a graph. Graphing is fun, but don't eat the graphs, Gophie!

Make a graph to show how many birds visited Soral's bird feeders.







Birdwatching

Step 1: Make a bird feeder.

Step 2: Put birdseed or bread in your feeder.

Step 3: Check on your feeder later to see the birds.



You can be like Soral and watch for birds to come to your own feeder!

Be an ornithologist!

Remember, a scientist that studies birds is called an ornithologist.

If you don't know what types of birds are visiting your feeder, that is okay! All you need to do is describe your birds.

Tip #1

Count all the birds both in the general area and around your feeders.

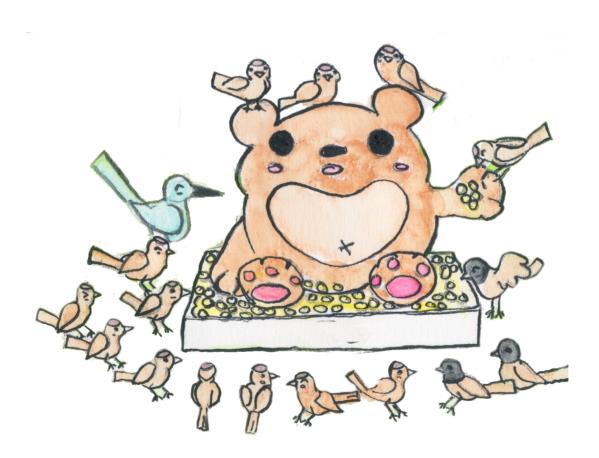
Use the bird foot and beak types on the next page to describe your birds.





You can be a scientist too! A birdwatching week is fun and easy to do. You can even share your data with Cornell University like Soral did.

Now Soral knows a lot more about the birds that live near her! And there is still so much to learn.



Lesson Anchor Make a bird feeder

Explore the Phenomenon!



There are so many different places where living things live! Let's observe some of the wonderful and diverse wildlife we can see right outside our classroom window. To attract wildlife, all you will need is your own bird feeder.



You can attract birds with a simple bird feeder.

What you'll need:

You can make a bird feeder out of just about anything. Reuse clean items from the trash to make your feeder. Find items such as these:

What you'll do:

Design and make a bird feeder at home or at school. You can use these designs to inspire your own creativity.



Tin Can Feeder



Cheerio Necklace Feeder



Milk Jug Feeder



Almond Butter Bread Heel Feeder



Almond Butter Toilet Paper Tube Feeder



Paper Milk Carton Feeder



I call it a			

Draw your bird feeder here and show how it works.

Can you explain it?



What types of living things are found where you live?

Describe your habitat

No matter where you live, it is part of a habitat! You might live in a desert, near a forest, or on a mountain. Take a close look around to describe the habitat around you.

Describe the climate where you live. What is typical weather and rainfall like? What are normal temperatures across the seasons?
Do you have any interesting land or water features nearby such as plains, hills, mountains, lakes, rivers or streams?
What different types of plants and animals do you see where you live?

observe the birds at your feeder

All birds have some things in common. For example, all birds have two wings, two feet, feathers and a beak. Different types of birds, however, have different traits that help them survive in their habitat. Although birds never have more than four toes, they have many different foot shapes.

Common Bird Foot Shapes





Feet for walking in mud

Three large toes in front help birds walk in mud and sand.





Feet for perching

Three toes in front and one in back help birds perch on branches.





Feet for climbing

Two toes in front and two in back help birds climb around.





Feet for Swimming

Webbed toes help birds swim or paddle through the water.

Birds beaks come in many shapes and sizes too! Different types of birds specialize in eating certain types of foods, and their beaks help them do it well. Birds can eat fish, seeds, insects and fruit. Some birds feed on nectar from flowers and others hunt smaller animals. Observe the birds at your feeder to identify what beak shapes they have.

Common Bird Beak Shapes



Feeder observation log

Feeder Observation Day 1

Collect, record and organize your data. Count how many birds come to your feeder. Describe what they are doing.

Date Number of birds
Describe the birds at your feeder. How many types are there? What do they look like? What are they doing?
Feeder Observation Day 2
Date Number of birds
Describe the birds at your feeder. How many types are there? What do they look like? What are they doing?

Date	Number of birds
Describe the birds look like? What ar	s at your feeder. How many types are there? What do they e they doing?
	ervation Day 4
	Number of birds
Describe the birds look like? What ar	s at your feeder. How many types are there? What do they
look like? What ar	s at your feeder. How many types are there? What do they
Feeder Obse	ervation Day 5

These are the birds at my feeder

Collect, record, and organize your data. Observe and describe how the birds at your feeder look.

Bird type 1

Draw and color the bird.





Circle the bird's foot and beak type.



Bird type 2

I observed a bird that looked like this ...

Draw and color the bird.

Circle the bird's foot and beak type.



Bird type 3

I observed a bird that looked like this ...





Circle the bird's foot and beak type.



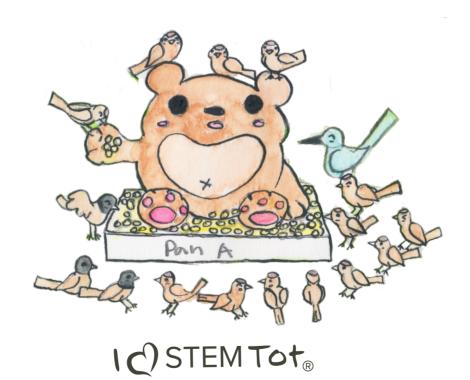
Bird type 4

I observed a bird that looked like this ...

Draw and color the bird.

Circle the bird's foot and beak type.







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The Diversity of Life Soral's Bird Cafe

Student Edition

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