



# BROWNIE GIRL SCOUT

PLANNING YOUR ZOO TRIP  
SENSES | BUGS

## **VISITING THE COLUMBUS ZOO AND AQUARIUM**

offers a fun and unique way for your Girl Scouts to complete their badge requirements. Before jumping into the materials on the next few pages, check out the information below to help make your visit as smooth as possible.

### **Please review the self-guided activities before arriving.**

The self-guided materials will not address all of the requirements for the *Senses Badge* or *Bugs Badge*. Some requirements will need to be completed at home. Check the requirements page for more details.

### **ADMISSION:**

Be sure to visit [columbuszoo.org](http://columbuszoo.org) for individual and group admission rates, as well as parking rates.

### **LUNCH AREAS:**

- Congo River Market is open year-round. Other food stands are subject to seasonal availability.
- Brownie Girl Scouts are welcome to bring lunches into the Zoo with them, but no hard-sided or wheeled coolers are permitted on grounds.
- A Picnic Pavilion is available between the parking lot and Admissions gate. You are welcome to leave coolers in your car or the Picnic Pavilion and utilize the Picnic Pavilion for lunch. Please remember to get a hand stamp from Guest Relations before exiting the Zoo if you plan on re-entering the Zoo after eating.

### **ZOO PATCHES:**

After completing your visit to the Zoo, stop by the Junior ZooKeeper Gift Shop and buy a Zoo patch for \$2. Ask at the counter to purchase a patch.

### **WHAT YOU SHOULD BRING WITH YOU:**

- Copies of the Self-Guided Activities for each Brownie Girl Scout
- Clipboard or something to write on for each Brownie Girl Scout
- Pen or pencil for each Brownie Girl Scout
- Magnifying glass for each for each Brownie Girl Scout





# BROWNIE GIRL SCOUT

## SENSES | BUGS

**Senses BADGE STEP #1:** Look around. Hold a scavenger hunt in your neighborhood or at a park. Find at least ten tiny things, like a clover or anthill. Bring a magnifying glass and talk about how it helps your sense of sight.

**Senses BADGE STEP #2:** Listen to the world. Listen for ten different sounds. Draw pictures of what might be making those sounds. Close your eyes and tell a friend or adult what you've heard.

**BUGS BADGE STEP #3:** See bugs in action. Look for three different bugs in your area. Identify the bugs and try to find out what they are doing and why.

**BUGS BADGE STEP #4 (EXTENSION):** Make a model of a bug house.

**BUGS BADGE STEP #5:** Take a bug field trip. Visit a museum, the Zoo, or botanical garden with a bug collection. Look at the bugs.

*\*Note - Insects may not be visible outside if it is cold.*





# SENSES BADGE

## WELCOME TO THE COLUMBUS ZOO AND AQUARIUM!

Today your journey will take you around the North America and Australia regions. It takes approximately ten minutes to walk from North America to Australia. We recommend you start your journey in North America.



**VOCABULARY:**  
**Magnification** - Making something look larger than it actually is.  
**Magnifying Glass** - A convex lens that enlarges the image of an object.



### SENSES BADGE STEP #1:

Let's start today's adventure by going on a scavenger hunt through North America! Keep your eyes open and look for ten different small things. (*Hint: your small things can be small animals, insects, leaves, seeds, etc.*) Use your magnifying glass if you brought one. Be sure to stay on the Zoo's paths and do not touch or move the small things that you find.

List the ten different small things that you found on the next page. Ask your parent or Girl Scout Leader for help identifying anything that you don't recognize.



## SENSES BADGE: LOOK



## STEP #1: Ten SMALL THINGS

1.	6.
2.	7.
3.	8.
4.	9.
5.	10.

Select one of the items you found and draw how it looks without your magnifying glass in the left box below. In the right box draw a sketch of the same item after using a magnifying glass.



Without magnifying glass:

With magnifying glass:

Describe how the magnifying glass changes the appearance of the item that you sketched above:

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# SENSES BADGE: LISTEN

## LISTEN TO THE WORLD

Find a spot along the path in the North America region to stop and listen to the sounds of the world around you. Make sure to pick a safe spot where you won't be in anyone's way. Close your eyes and listen. What did you hear? Was there anything that you had never noticed before? Was there anything that surprised you? Share your findings with a friend, parent or Girl Scout Leader. List ten different sounds that you heard in the table below. Ask your parent or Girl Scout Leader for help identifying anything that you heard but don't recognize.

## STEP #2: TEN DIFFERENT SOUNDS

1.	6.
2.	7.
3.	8.
4.	9.
5.	10.

Draw sketches of three things that might be making the sounds that you heard today in the boxes below. Be sure to label each item with its name if you are able to identify it.





# BUGS BADGE: BUGS IN ACTION

**STEP #3:** The next stop on your adventure will take you to the Habitat Hollow area in the North America region. There are lots of places in Habitat Hollow where you can find and observe different insects. For this next activity you will look for three different insects. Identify them and see if you can figure out what they are doing and why. The side and back yards of My House are good areas where you can step off the path and look. Be sure to pay attention to your surroundings and watch where you step. Use this information to fill in the boxes below.



BUG #1 \_\_\_\_\_

What is it doing? \_\_\_\_\_  
\_\_\_\_\_

Why? \_\_\_\_\_  
\_\_\_\_\_



BUG #2 \_\_\_\_\_

What is it doing? \_\_\_\_\_  
\_\_\_\_\_

Why? \_\_\_\_\_  
\_\_\_\_\_



BUG #3 \_\_\_\_\_

What is it doing? \_\_\_\_\_  
\_\_\_\_\_

Why? \_\_\_\_\_  
\_\_\_\_\_





# BUGS BADGE

## STEP #5: TAKE A BUG FIELD TRIP

The last stop on your Bug Adventure is Bob and Evelyn's Roadhouse (*the Nocturnal Building*) in the Australia region of the Zoo. This building is home to many animals with awesome nocturnal adaptations. Locate the two species of insects located in the kitchen area. Spend five minutes observing each one. Write the name of each bug in the boxes below. Be sure to write where they live and also describe some of the cool adaptations you noticed.

BUG #1

BUG #2

## STEP #4: Finish your badge at home!

Many bugs are garden friends and important to the success of the flowers and vegetables in your yard. Sometimes good bugs even help keep away pests. Create a bug house or insect hotel to provide shelter for bugs in your garden. Example: Tie together hollow stems, reeds or thin bamboo pieces. Work with a parent to check Pinterest or another website for easy insect hotel ideas using recycled materials.

Use your newly refined skills in sight and hearing to locate and observe insects in your backyard.