

# SCIENCE

## FROM HOME



## Buggy Noisemakers

There are many insects that can make sounds. They don't have vocal cords like people, but they have other ways of producing sounds. Some do it by rubbing body parts together in a process called stridulation, while others have special organs to produce sound. There are many ways that insects produce sounds such as moving of one body part against another, striking a part of the body against a surface, vibrating membranes, and forcing air through body openings. Can you make your own insect noises?

### Know before you begin

- This activity can be done inside or outside
- All supplies are easy to find, substitute or leave out entirely
- Adult supervision is recommended
- Please choose a safe space to play

### Bee Buzzers

#### Materials

- Index card
- Popsicle stick
- Scissors
- Rubber band
- String
- Sticky foam tape

#### Instructions

- Use scissors to cut two of the corners off a long side on the index card.
- Cut two pieces of adhesive foam 1 inch wide by 2 inches long.
- Place the popsicle stick on the long, uncut end of the index card. Only half (lengthwise) of the craft stick should be touching the index card.
- Fold one piece of the adhesive foam around one end of the craft stick and index card to hold them in place.
- Use the scissors to cut a length of string or yarn to 2 feet. Lay the string across the second piece of adhesive foam. Leave 2-4 inches on one side of the foam.



# SCIENCE

## FROM HOME



- Fold the second piece of foam with the string around the other end of the craft stick and index card.
- Stretch a wide rubber band over each of the foam pieces ensuring that the rubber band isn't twisted.
- Tie off the end of the string, to hold the string in place and trim any excess string on the short end.
- Try out your bee buzzer.

### Toilet Paper Cicada Shaker

#### Materials

- Toilet paper tube
- Crayons or colored pencils
- Plastic beads
- String
- Stapler

#### Instructions

- Decorate your paper towel tube as your favorite bug.
- Get 8-10 plastic beads and put them on a length of string.
- Tie the string so that it is tight on the tube with all beads on the outside. Staple ends so it is tight.
- Try out your Cicada Shaker.

### Cockroach Clacker

#### Materials

- Metal bottle caps
- Cardstock or construction paper
- Glue gun

#### Instructions

- Cut Cardstock to 1 inch wide by 4 inches long.
- Fold cardstock strip in half widthwise.
- Glue bottle caps with flat side facing in on the inside of the folded cardstock.  
**Note:** You may want to have a grownup help you do this step with a glue gun.

