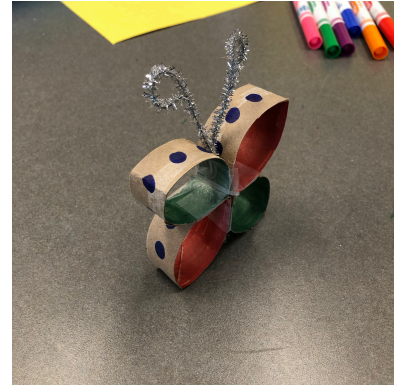


# Virtual Makers Meetings: Paper Towel/Toilet Paper Rolls

## Butterfly

### Materials:

- Cardboard roll
- Tape/glue/staples
- Markers/colored pencils/paint
- Scissors
- Pipe cleaners/rolled paper



**Step 1:** Cut four rings out of the cardboard roll, about an inch thick. Decorate each ring both inside and out.



**Step 2:** Once decorated, make each ring almond shaped by flattening the ring, creasing each end.



**Step 3:** Take two of your decorated pieces and tape (glue or staples can also be used) the two ends together. Repeat process for other two pieces. This creates the wings.



**Step 4:** For the antenna and the body, take one pipe cleaner and fold in half (this makes the body). Roll the ends of the pipe cleaners once around the tip of your finger (this creates the curl of the antenna).



**Step 5:** Once the body and antenna are complete, position the pipe cleaner between the two cardboard rings and tape (glue or staple) everything together.





# Rainstick

## Materials:

- Plastic wrap
- Aluminum foil
- Paper towel/toilet paper roll
- Tape
- Stickers/construction paper/markers etc.
- Scissors
- Beans/rice/salt
- Funnel
- Brass fasteners/nails/thumb tacks/screws



**Step 1:** Make aluminum pieces, take a sheet of aluminum foil about the size of the paper towel roll (or two times the size of a toilet paper roll). Fold the sheet in half. Continue folding in half length wise until you have a long skinny piece of foil. To make a zigzag, fold alternately, making sure to press the creases. To make the swirl, wrap the foil around your finger.



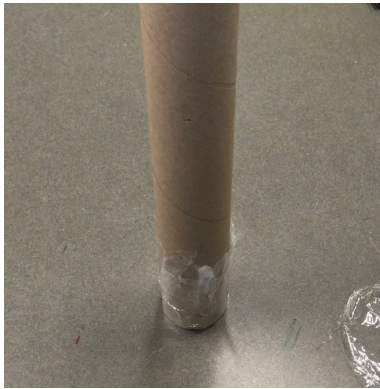
**Step 2:** Take a piece of plastic wrap (enough to cover one end of the cardboard roll and about 2 inches extra) and place it on one end of your cardboard roll. Using the tape, tape around the base of the roll to hold the plastic wrap in place. Make sure it is tightly sealed.



**Step 3:** Once one end is covered and taped securely, using the funnel, pour in your beans, salt or rice (or whatever else you are using). Add in the aluminum foil pieces you made.



**Step 4:** Repeat Step 2, covering the open end of the cardboard roll with plastic wrap, taping securely. Using extra tape is not a bad thing.



**Step 5:** With a parent's help, use the scissors and poke a few holes into the cardboard roll. Insert the brass fasteners, nails, tacks, or whatever else you are using, and secure with a piece of tape.



**Step 6:** Decorate! Use all your decoration supplies and your immense creativity decorate to your hearts content.



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