



DAY 8

What a Bee Sees

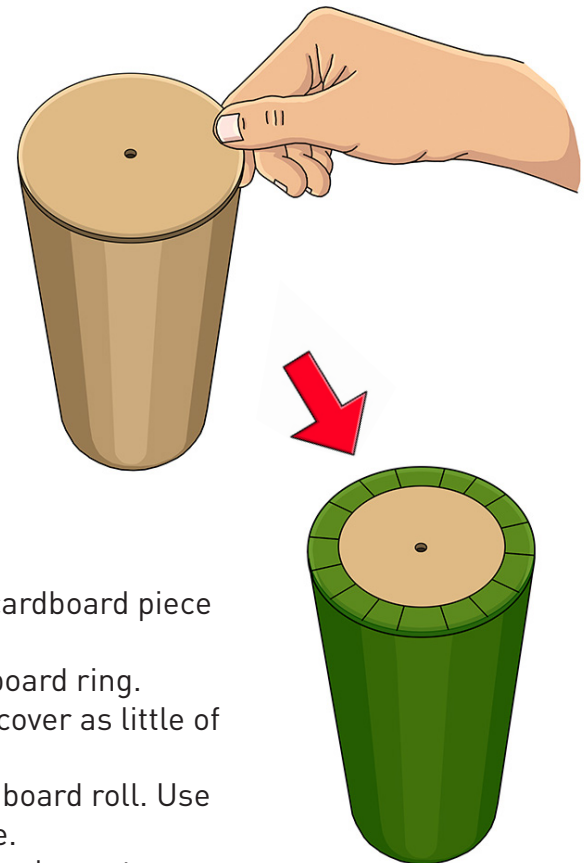
With this bonus experiment, you will be turning your compound lens into a teleidoscope — which is similar to a kaleidoscope, except it has an open view, so the patterns that it forms are made from objects around you.

You will need

- The compound lens from day 8
- A cardboard roll (toilet paper or paper towel), a piece of thin cardboard, pen, scissors, adhesive tape
- Optional things to decorate your teleidoscope (stickers, construction paper, glue, glitter, etc.)

Here's how

1. Place one end of the cardboard roll on the thin piece of cardboard. Use the pen to draw a circle around the roll on the cardboard. The circle should be just about the same size as the end of the roll.
2. Use the scissors to cut out the circle.
3. Next, place the compound lens in the center of the circular cardboard piece and use the pen to draw another circle.
4. Cut out this circle as well. This should leave you with a cardboard ring.
5. Attach the lens to the ring using small pieces of tape. Try to cover as little of the lens with tape as possible.
6. Place the cardboard ring with the lens at one end of the cardboard roll. Use tape to attach them. Again, try not to cover the lens with tape.
7. You just turned your compound lens into a teleidoscope! Now, decorate your teleidoscope as you wish with stickers, glitter, construction paper, etc.



How animals see the world

The compound lens in your teleidoscope lets you see the world in a similar way that some insects do. But other animals also have really unique ways of seeing the world. Watch the video to experience the world through the eyes of different animals.

