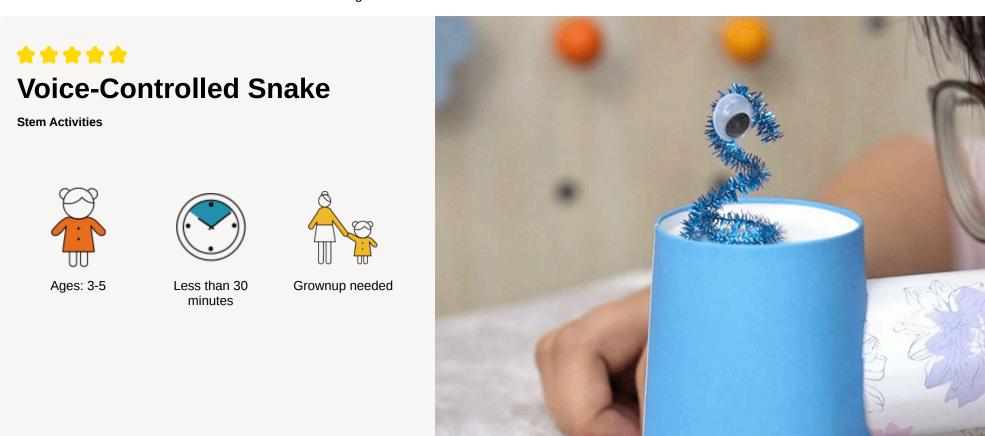
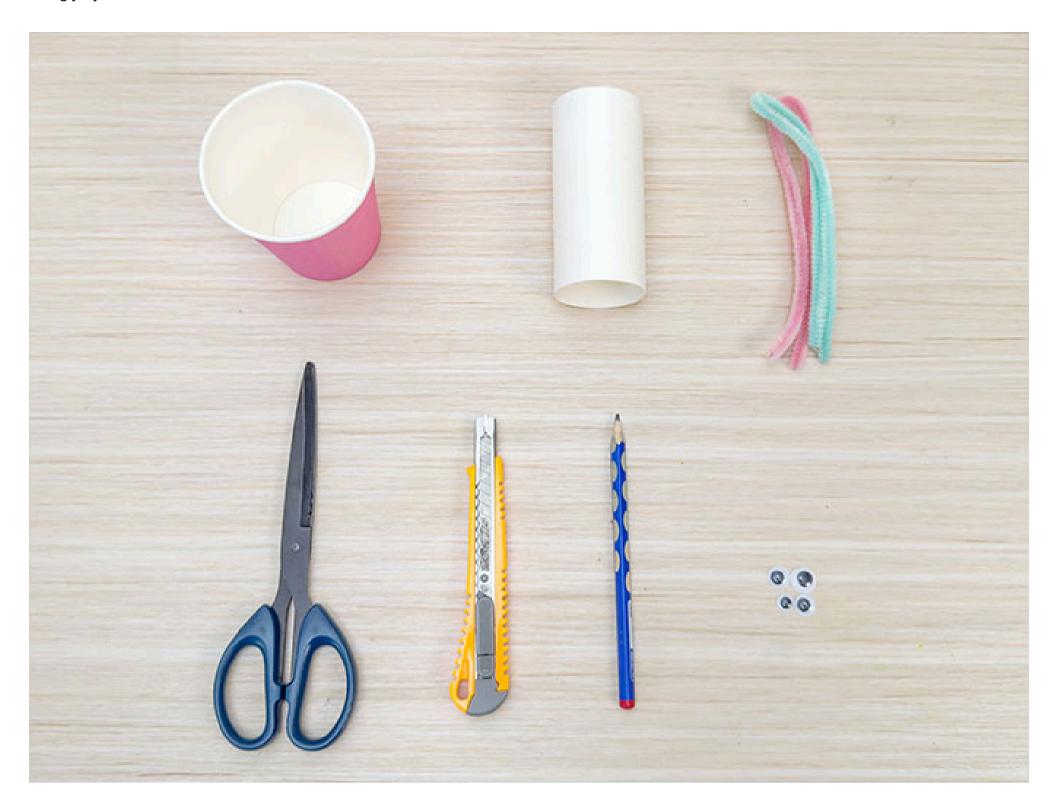
DIYs » Stem Activities » Marvelous Mechanics Motion » Age 3 - 5 » Voice Snake



You might have seen voice-controlled light bulbs, but have you ever seen a voice-controlled snake? Make a pipe cleaner snake and control its movements with your voice. Learn about the science of sound vibrations.

## **Materials Needed**

Paper cup Kitchen roll tube Pipe cleaners Scissors Craft knife Pencil Googly eyes



# Step-by-step tutorial



Place the kitchen roll tube against the side of the paper cup and trace its outline with a pencil.





Carefully cut along the pencil line using a craft knife or scissors.





Insert the kitchen roll tube into the opening in the paper cup.



#### Step 4

Take the pipe cleaners and wrap them into a snake shape as shown. Stick the googly eyes onto the snake's head.



### Step 5

Place your completed pipe cleaner snake on top of the paper cup.



### Step 6

Now, shout loudly into the kitchen roll tube. Try varying the volume of your voice and observe how the snake responds.



## The Science Behind It:

Sound is created by 'vibrations'. When you play music or shout loudly, sound waves cause the object the snake is sitting on to vibrate, and these vibrations make the snake dance!