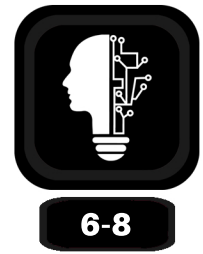
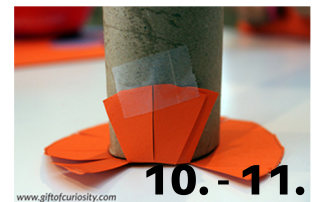
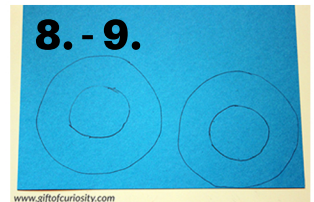


# Rain Stick



## Materials:

- Paper Towel Roll
- Aluminum Foil
- Rice
- Clear Tape
- Wooden Spoon (For Wrapping Around)
- Broom Handle (For Wrapping Around)
- Colored Paper
- Optional: Funnel



## Instructions:

1. We started by tearing a sheet of foil about 10" long.
2. We twisted the foil into a stick-like shape.
3. wrapped it around the handle of a broom to make a spiral.
4. Then we tore a small piece of foil about 7" long
5. We twisted this piece of foil into a skinny, wire-like shape.
6. We wrapped this thin piece of foil around the handle of a wooden spoon in order to make a tight spiral.
7. We then inserted the smaller spiral into the larger spiral
8. Next, we placed the end of the paper towel roll onto a sheet of paper and traced a circle around it. We did this twice (once for each end).
9. We then drew a bigger circle around the small circles we had just drawn.
10. We cut out the larger circles, and used scissors to make a lot of cuts from the edge of the paper to the inner circle.
11. We then taped the paper to the end of the paper towel roll, wrapping the flaps we had cut up the sides of the tube and securing them with clear tape.
12. Once one end of the tube was secured, we inserted the two foil spirals we had created.
13. Then we added about 1/2 cup of dried rice to the tube.
14. We then secured the other end of the tube with the other circle of paper we had cut.
15. We then wrapped a sheet of colored paper around the outside of the tube to make it bright and colorful.

## The Science:

As you turn the rain stick over, gravity interacts with the rice making it fall into the spirals inside of the tube. As the rice hits the spiral sound is formed that imitates rain.