

Zoom! Halloween Speedsters!

September 28, 2024 / DIY / Stem Activities / Quick Easy Experiments / Age 3-5 / Halloween Surface Tension Race



Make spooky Halloween characters sprint through water with this super simple science experiment. Zoom zoom zoom! Floating ghosts, pumpkins, and bats will add some scientific fun to your children's Halloween.

- Age: 3-5
- Time: Less than 1 hour

Materials Needed:

Printable Templates
Scissors
Plate
Dish Soap



Step-by-Step Instructions:

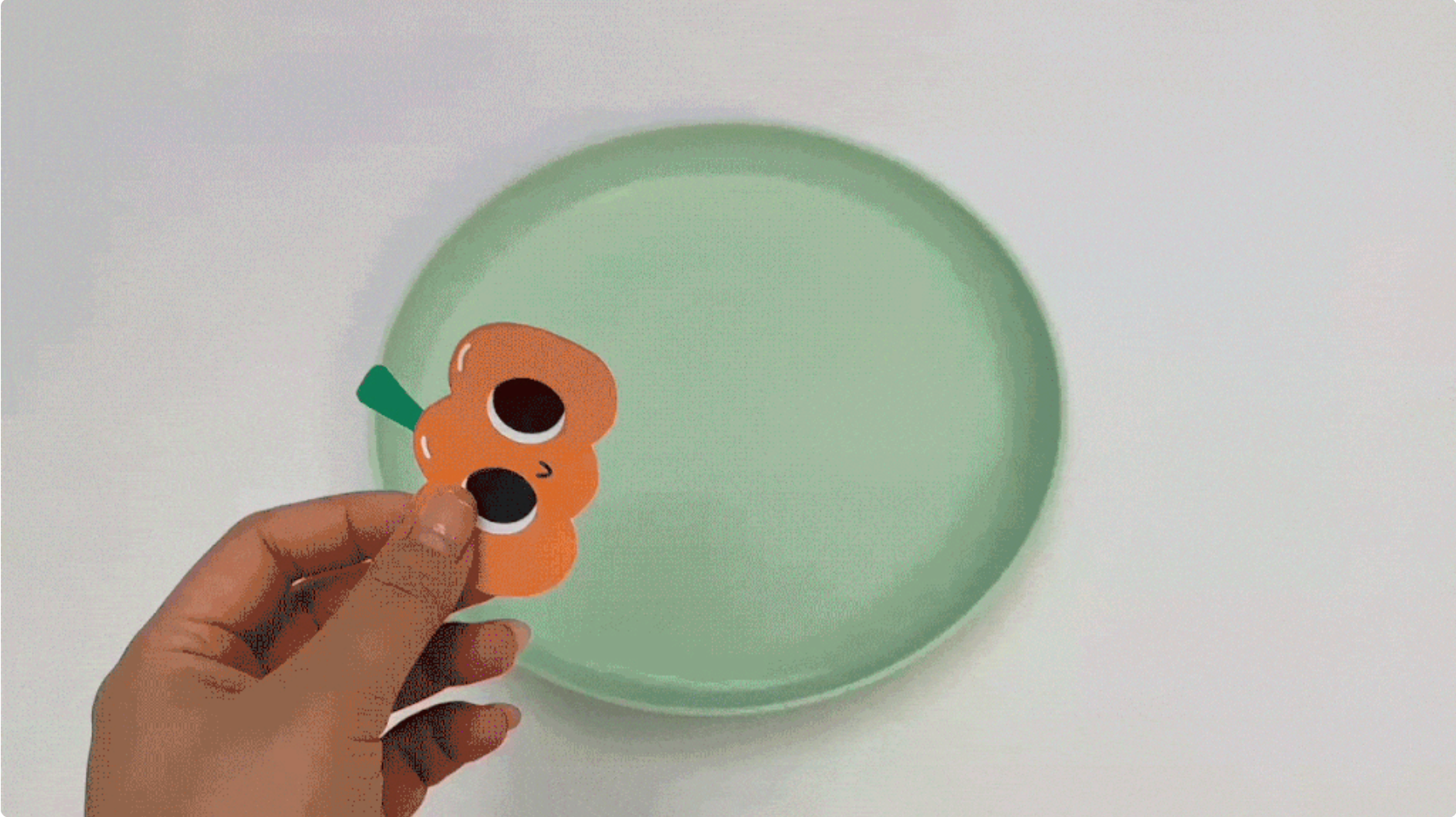
1. Download the printable templates and cut out the patterns, or you can choose to draw your own Halloween design and cut it out.



2. Apply dish soap to the back of the cut-out pattern. Remember to apply it to the tail end of the pattern.



3. Place the side with dish soap on the water surface and watch them go full speed ahead!



The Science Behind It:

Water likes to stick together, while dish soap likes to separate water. Water molecules connect to each other (this is called surface tension), but when you add dish soap to the mix, the water quickly separates. As the water moves, it carries your floating friends along with it.