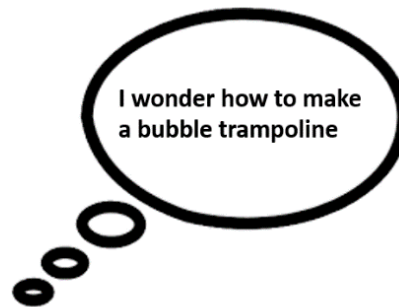


Big Bubbles are Dope

Bubbles are an interesting **mixture** of **materials**. They are usually made out of a blend of soap, water, and air. The soap and water form the outside surface of the bubble and the air is trapped on the inside. Bubbles are very delicate and they don't last very long before they pop.



When most people blow bubbles, they use a bubble wand that they buy from the store. But you can make bubbles with lots of things like straws, strings, cups, and paper towel tubes. You just need something to hold the bubble film while you blow some air into it. Bubbles tend to be round in shape because this shape helps them to be more stable.



In this STEM Challenge, your first task is to make a bottle bubble using just the top and bottom of a two-liter bottle. Once you perfect your technique for blowing into the bottle, you can see how big you can make it. Your second task, is to make bubble trampoline that can bounce back and forth.