

MAGIC BUBBLES

This fun and colorful process art combines art and science!

INSTRUCTIONS

STEP 1: Use the dropper to place water drops around your paper in any design you like.

STEP 2: Use your paintbrush to GENTLY color each drop by filling your brush with color and then gently touching the top of each drop.

The drop will magically change color as if you were using a magic wand!

SUPPLIES

Art Paper
Watercolor paints
Water
Brush
Dropper

THE SCIENCE OF SURFACE TENSION

Surface tension and cohesion are the reason you can form bubbles of water on your paper. Cohesion is the “stickiness” of like molecules to one another. Water molecules love to stick together! Surface tension is the result of all the water molecules sticking together.

When you place the small drop gently on the paper, a dome shape begins to form. This is due to the surface tension forming a shape that has the least amount of surface area possible (like bubbles)! Now, when you add more (your colored water) water to the drop, the color will fill the entire drop that was already there. Don't add too much though, or your 'bubble' will pop!

