



William C. Schumacher
FAMILY FOUNDATION

DAILY DISCOVERIES BUBBLE SNAKES

Materials Needed:

- Water and Dish Soap
- Small Container and Stirrer
- Cloth Towel
- Recycled water bottle
- Scissors
- Rubber band
- food coloring (optional)
- Adult Supervision

Steps:

- Use scissors to cut the water bottle in half, keep the top of the bottle and recycle the end.
- In the small container combine equal parts water and dish soap, stir together and set aside.
- Cover the bottle of the towel with the cloth and secure it with a rubber band.
- Dip the cloth end into the water and dish soap container and then blow into the bottle through the top end.
- Optional* add food coloring to the bottle for some color!

What's Happening.....

When you blow air through your bottle, hundreds and hundreds of tiny bubbles are formed and stick to each other which gives you a bubble snake! The colors you see are because of the **light diffraction** through the soap film.