

SWIRLING COLOURS

This is a good experiment to show how wind flow moves...what it looks like when it moves fast or slow.

You will need for each girl:

- An empty water bottle with label removed and a tight fitting lid.
- A large bottle of liquid hand soap such as SOFT SOAP
- Water
- Food colouring
- Clear duct tape.

Directions:

Fill the bottle about $\frac{1}{2}$ full with Soft Soap and add two drops of food colouring. The food colouring and the shininess of the Soft Soap will make it easy to see the swirls.

Slowly fill the bottle with water...very slowly as you don't want to get bubbles. Fill the bottle all the way to the top. If you get bubbles...pour more water in and the bubbles will run out of the top. By filling the bottle all the way to the top, you prevent getting bubbles.

Screw the cap back on the bottle as tight as you can. Turn the bottle upside down a few times to mix the water and the soap.

Dry the bottle and wrap a bit of clear duct tape around the lid to prevent it from leaking. If it's done right, this bottle of swirling colours will last for years.

Spin the bottle around slowly what happens? When you spin it quickly what happens? What happens when you shake it from side to side...or up and down?

This is a great gift idea also if you can find a pretty jar!