

What are DISCOVERY BOTTLES?

Discovery bottles are science experiments that you mix in a bottle. They're sometimes called sensory bottles or calm-down jars. You can keep your discovery bottles on your desk or in your reading nook and give them a shake when you need to take a break or if you're just feeling bored.

Can you really learn science from a bottle?

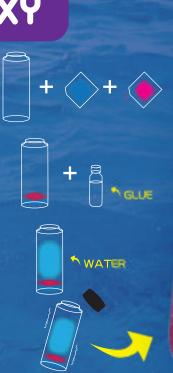
Yes! Science is all about using your powers of observation to explore the world around you, and there's plenty to observe in this book. In these 5 experiments, you'll investigate why oil and water don't mix, how a tornado works, what makes a jellyfish float, and much more. (Pretty good for a bottle, huh?)

*This kit includes 2 bottles, which can be cleaned and reused after completing two discovery



GLITTER GALAXY

- Slowly pour the 4 colours of glitter into an empty bottle.
- 2. Drop the sequins in the bottle.
- 3. Squeeze the entire glue into the discovery bottle.
- 4. Slowly fill the bottle with water, as close to the top as you can.
 - *Room temperature water works best.
- 5. Place the bottle cap on top of the opening. Twist the cap clockwise until it won't move anymore.
- 6. Mix up the bottle by gently shaking it.





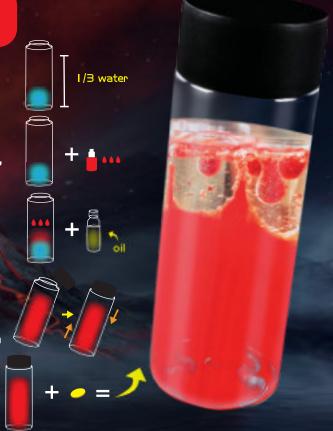


TINY TORNADO

- Fill up 3/4 of an empty bottle with water.
- 2. Add a generous amount of dish soap into the bottle.
- 3. Screw on the cap tightly and check for leaks.
- Turn the bottle upside down.
 Quickly swish it around until soap suds form.
- 5. Next, quickly spin the bottle in a counterclockwise motion. STOP when you the suds making a funnel.

LAVA FIZZLER

- 1. Fill up 1/3 of an empty bottle with water.
- 2. Add three or four drops of colouring and mix. Any color will do, but use red if you want it to look like lava.
- 3. Fill the rest of the bottle with oil.
- Drop one fizzing tablet into the mixture.
- 5. Put the cap on the bottle and watch the lava flow!







- Fill an empty bottle with water to the top of the neck.
- 2. Put in any optional extras such as glitter, sequins, or food colouring.
- Time to make jellyfish! Cut the straw to get a U shape. It will be used as the jellyfish head.
- 4. Continue to add paper clips and googly eyes to form a jellyfish.
- Carefully push your jellyfish into the bottle.
- 6. Cap the bottle tightly and check for leaks.
- Now flip the bottle over and over and watch your jellyfish begin to swim. It's alive!

UNDERWATER FIREWORK

- Fill an empty bottle almost to the top with water.
- 2. Prepare a cup and pour a little oil into it.
- Add a couple of drops of colouring into the cup.

Briefly stir the oil and colouring mixed.

- 5. Pour the oil and colouring mixture into the bottle.
- 6. Now watch! The colouring will slowly sink into the glass, with each droplet expanding outward as it falls, resembling fireworks falling into the water.





