

CREATE YOUR OWN

Submarine

Suitable for: 6 years and up with parent/caregiver supervision

20-30 MINUTES 

Submarines move underwater using a propeller. This activity involves creating a submarine and using gas to propel it forward.

WHAT YOU'LL NEED

- Plastic bottle with a flat base
- Plastic straw
- Blu-Tack
- Scissors
- White vinegar
- Baking soda



INSTRUCTIONS

- 1 Select a 'home harbour', such as a kitchen sink or large bucket, and fill it until the water is 5 to 10cm deep.
- 2 Under supervision, carefully cut a small hole in the bottom of the bottle near an edge.
- 3 Slide a straw through the hole and seal the hole with Blu-Tack.
- 4 Pour $\frac{1}{4}$ cup of vinegar into the bottle.
Tip: Ensure the straw is on the top of the bottle for this step to stop vinegar leaking out.
- 5 Carefully level the water bottle so the vinegar is still at the bottom and gently spoon in a teaspoon of baking soda.
Tip: As soon as the baking soda touches the vinegar it will start to fizz, so add it to the top of the bottle first so it does not come into contact with the vinegar.
- 6 Carefully screw on the lid, then tip the bottle to combine the mixture and place in your harbour with the straw side submerged.
Tip: Invite one of your friends or family to create a submarine and have a submarine race.

DID YOU KNOW?

Sub Base Platypus was previously called HMAS Platypus and it was Australia's first navy base established solely as a base for submarines.

It was home to a fleet of 6 'Oberon' class submarines during operation from 1967-1999.

HAVE FUN!

