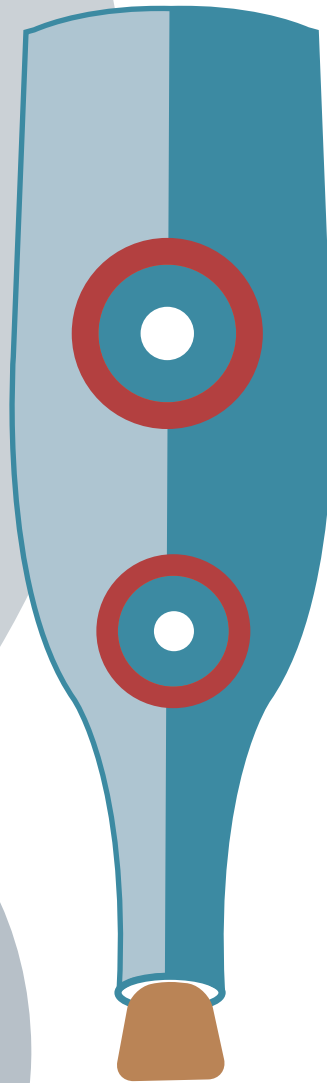


EQUIPMENT AND MATERIALS:

- An empty, rinsed plastic fizzy drink bottle
- Baking Soda
- Vinegar
- Paper towel
- A cork (or substitute something like a pool noodle piece, a cork will give more power to your launch!)
- Your newly constructed launchpad – you can make a launchpad out of anything as long as it holds your upside-down bottle rocket in place ready for launch.
- A nice big open space.

PREPARING FOR LAUNCH

- You will want to do this in a fairly open area as the rockets can fly pretty high!
- Take a clean bottle. Feel free to decorate it and make it really look like a rocket.
- Set your launchpad in a nice big open area, on nice solid ground.



Adult supervision is required for this activity – ask a whānau member to help make sure you set up your rocket properly

FUEL UP THE ROCKET

- Place approximately 1 – 2 cups of vinegar in the bottle.
- Take a piece of paper towel and cut it into a large square (around 25cm each side).
- Place about a tablespoon of baking soda in the centre of the paper towel. Fold up the paper towel so the baking soda is wrapped up inside and it fits snugly inside the mouth of the bottle.
- Insert a wine cork into the mouth of the pop bottle, make sure it is in there tightly.

3... 2... 1... BLAST OFF!

You need to move quickly for this next part. Flip the bottle over, place it in the launchpad and move back quickly!



Make your own bottle rocket!