

# Bottle Boat

Theme: Chemical Reactions

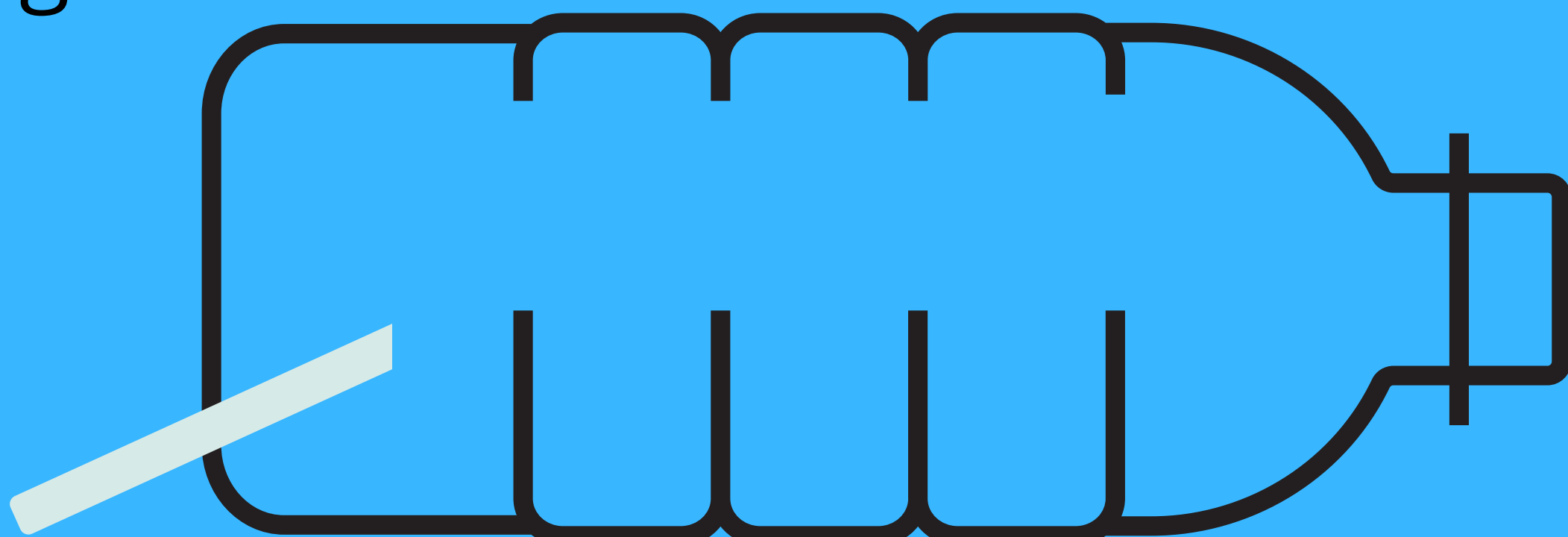
Curriculum Area: Science

Activity: In this activity, you will be using vinegar and baking soda to create a chemical reaction. This reaction will make a bottle boat.

Age and Grade level: 10 5th grade

Materials needed:

- Small empty plastic bottle
- Baking soda
- Vinegar
- Tissue
- Straw
- Tape
- Scissors
- large container with water



## Developmental Objectives/Domains: by

participating in this activity, children will:

- 1) Develop skills for making responsible decisions when working with different things.
- 2) Understand how chemical reactions function and that there are chemical reactions anywhere we look.
- 3) Enhance their ability to learn that there are different types of chemical reactions when the mixtures are different.

## Procedure:

- 1.) Place the big container with water to the side for now.
- 2.) Make a hole on the bottom side of the bottle for the straw to fit in the hole and tape the area so air does not come out.
- 3.) Remove the bottle cap and pour vinegar in the bottle and make sure the vinegar does not come out of the straw.
- 4.) Pour baking soda into the tissue then wrap it.
- 5.) Put the tissue with baking soda in the bottle close the bottle with the lid and put it in the container with water and watch the bottle move like a boat.

