

# SODA ROCKETS ACTIVITY

## Introduction

Have you seen NASA launch a rocket before? Although NASA's rockets are much bigger and take more materials, we can make our own rockets too! Try using vinegar and baking soda to launch your own miniature rocket!

## Learning Objectives

1. Create a basic understanding of chemical reactions.
2. Understand what components are reacting to make the rocket launch.

## Materials

1. 2L soda bottle
2. Decorations for bottle (ex. Construction paper, paint, sharpies)
3. 1-2 tablespoons of baking soda
4. 1-2 cups of vinegar
5. Cork (to cover opening of soda bottle)
6. Legos, Cardboard, or Popsicle Sticks (This will be for Step 3 – you can switch these out for whatever you have available!)
7. Paper towels

## Step-by-Step

1. Unscrew the cap of the soda bottle. Discard the cap, you won't need it!
2. Decorate the bottle however you like to customize your rocket! Note: The opening of the bottle will be facing downward, so decorate the other side as the top of your rocket!
3. Use materials such as legos or popsicle sticks to build a launch pad! This

