

# EXPERIMENT 2 - ELEPHANT TOOTHPASTE

In this experiment, participants will learn about the role of chemistry. By combining a few simple home ingredients, scouts will watch as a major foam reaction occurs, perhaps reminding them of a giant tube of toothpaste. The experiment is quick, easy and great for all ages.

## What You Need:

- A clean 16oz plastic soda bottle
- ½ cup 20-volume hydrogen peroxide liquid (20-volume is a 6% solution, you can get this from a beauty supply store or hair salon)
- 1 tablespoon of dry yeast
- 3 tablespoons of warm water
- Liquid dish washing soap
- Food coloring
- Small cup
- Pan / tray to catch overflow
- Protective eyewear

## What You Do:

- Put on your protective eyewear.
- Set the soda bottle in the middle of a pan to catch the toothpaste.
- Add 8 drops of your favorite food coloring into the bottle.
- Add 1 tablespoon of liquid dish soap into the bottle and swish the bottle around a bit to mix it.
- In a separate small cup, combine the warm water and the yeast together and mix for about 30 seconds.
- Now the adventure starts! Pour the yeast water mixture into the bottle and watch the foaminess begin! (a funnel can help during this step)