

# 15 Days of Winter Break

## Chilly Chemistry

### What You Need:

- jar
- platter with sides (like a pie plate)
- spoon
- thermometer
- baking soda
- vinegar
- liquid dish soap

### Optional:

- food coloring
- glitter
- salt



Photo from frugalfun4boys.com

### Instructions:

1. Pour vinegar into jar, at least 1/4 of the jar.
2. Add a squirt of dish soap. If you want, add food coloring and glitter. Stir everything and check the temperature of the liquid.
3. Put in one tablespoon of baking soda and stand back!
4. Check the temperature again. Touch the outside of the jar to see how it feels.
5. If you want to try without the dish soap, clean up and test it again. How does the temperature change with just the baking soda and vinegar?
6. Want another test? Add salt. How does the temperature change?