



BREWING UP SOME STEAM

FIZZY EGGS

Create a chemical reaction to reveal a special surprise!

Materials you will need:

- one baking soda egg
- vinegar (about 4 oz. but you may need a little more)
- pipette or eye dropper
- a small bowl or plate

DIRECTIONS

- 1)) Place your egg gently in your dish or bowl.
- 2) Use your pipette or eye dropper to start putting the vinegar, a little at a time, on your egg.

OBSERVE: What starts to happen?
What do you think is going on?

- 3) Keep adding vinegar to your egg until you discover what's inside!

Why does this work?

The baking soda is a substance called sodium bicarbonate. This can also be called a base. Vinegar is actually diluted acetic acid. Acids and bases react when they are combined to form new substances. When this acid and base are combined, they form carbonic acid. Carbonic acid falls apart into carbon dioxide and water. The bubbles come from the escaping carbon dioxide.

Try this:

Want to have some more fizzy egg fun? Have an adult help you make your own surprise eggs! Check out the video on how to do this on the **York Public Library YouTube channel**.

Materials:

- 2 cups baking soda
- about 2/3 c. water
- small "treasures"

1) Mix the baking soda and water together until you have a paste-like consistency that can be molded. Start with adding 1/3 cup of water and then add the next 1/3 c in small increments.

2) Form the baking soda into an egg-like shape. Use your finger to make a little indent for a treasure. Cover it over with more paste.

3) Put your eggs in the refrigerator to harden up. 2 cups of baking soda will make about 6 eggs.

