



## SFU SCIENCE IN ACTION

### **SELF INFLATING BALLOON**

Why inflate balloons yourself when you can use a chemical reaction to do it for you!

#### Allergy risks and safety:

Vinegar can cause irritation and burns, take care to not get it into your eyes or on your skin (try finding some safety glasses)

- If vinegar comes into contact with eyes, wash with room temperature water for a minimum of 15 minutes

#### You'll need these:

Safety glasses  
Baking soda  
Vinegar  
Teaspoon for measuring  
Tablespoon for measuring  
2 empty bottles  
2 different coloured balloons  
2 funnels  
A responsible adult

#### Procedure:

1. Using a funnel, pour some vinegar into one bottle about 2-3 cm high
2. Repeat with a second bottle adding the same amount of vinegar
3. Using the other clean and dry funnel, add 1 teaspoon of baking soda into the first balloon
4. Repeat with the second balloon adding one 1 tablespoon of baking soda instead (take care to note which colour is which!)
5. Attach each balloon to a bottle securely without allowing any baking soda to fall in

6. At the same time, flip the balloons upside down and let all the baking soda fall into the bottle (be careful not to pop the balloon!)

7.