

# Resource Ideas for 6 - 10 Year Olds

## Balloon Burper

### Materials

Balloons  
Permanent Markers  
Small funnel  
Teaspoon  
Bicarbonate of soda  
Vinegar  
Small empty clean bottles

### Method

- Draw a face on balloon with markers.
- Using funnel, spoon 3 heaped teaspoons of bicarbonate into each balloon.
- Fill each bottle, a third full, with vinegar and fit the neck of a balloon over each one. Don't let any bicarbonate fall out.
- Now hold each balloon up and let all the bicarbonate fall into the vinegar.

*When the bicarbonate falls into the vinegar it causes a chemical reaction, which produces carbon dioxide gas. This then blows up the balloons for you.*

- Carefully ease the balloon, full of gas off the bottle. Hold the end tightly closed.
- Slowly let some gas out to make the balloon burp!
- Bacteria in your intestine can produce as much as 1 litre of gas each day.

*Reference: Susan Martineau Slimy Science and Awesome Experiments Koala Books 2000*

## The Magic Ice Cube

### Materials

1 ice cube  
Glass of cold water  
15cm length of sewing thread  
Salt  
Teaspoon

### Method

- Gently pop ice cube into the glass of water. Carefully place one end of the thread across the top of the floating cube.
- Where the thread touches the ice, sprinkle salt over it with a spoon.
- Wait about 30 seconds and carefully lift the string. The cube will come too.

*Because salt lowers the freezing point of water, it melts the ice a little. The thread sinks into a pool of water, which refreezes, trapping the thread.*

*Reference: Susan Martineau Slimy Science and Awesome Experiments Koala Books 2000*

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## Professors Cocktail

### Materials

Glass of cold water, three quarters full  
Few drops of food colouring  
1 ½ heaped tablespoons icing sugar  
3 heaped teaspoons bicarbonate of soda  
6 teaspoons lemon juice

### Method

- Add the food colouring to the water.
- Stir in the sugar and bicarbonate of soda.
- Finally add the lemon juice and watch it whiz.

*The lemon juice and alkaline bicarbonate react to make a gas- carbon dioxide or CO<sub>2</sub>. This is the gas that pouts the fizz into fizzy drinks.*

**Reference:** Susan Martineau *Slimy Science and Awesome Experiments* Koala Books 2000

## Bath Fizz

### Materials

Bicarbonate soda  
Corn flour  
Cream of tartar  
Essential oils  
A container with a lid  
Measuring cup

### Method

- Measure three quarters of a cup of bicarbonate of soda, 2 tablespoons of corn flour and half a cup of cream of tartar. Put them all into the containers and stir well to mix and break up any lumps. Add a few drops of an essential oil and mix really well.
- Roll into balls pop into your bath or put into a container of water and watch it fizz.

**Reference** Di Hodges *TV-Free Activities for Kids* Redwood Editions 1998

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