**Physical vs Chemical changes**

**Station 1**

Boil water in a jug

Half fill a 100ml beaker with the hot water

Place a 250ml beaker upside down over the top of the 100ml beaker

**Station 2**

Light the Bunsen burner and adjust flame to blue

Using forceps, hold a piece of magnesium ribbon over the flame.

**DO NOT LOOK DIRECTLY AT THE BRIGHT LIGHT**, rather look at it out of the corner of your eye.

**Station 3**

Half fill a small beaker with water

Add a few coffee granules and gently swirl to mix

**Station 4**

Blow up and tie a balloon

Use a drawing pin to pop the balloon

**Station 5**

Place a piece of magnesium ribbon (Mg) in a test tube

Pour enough Hydrochloric acid (1M HCl) into the test tube to cover the magnesium and **immediately** put a rubber stopper tightly into the top of the test tube.

*Take the test tube (with Mg, HCl & stopper) with you to the next station*

**Station 6**

*Using the test tube with Mg & HCl with a stopper from Station 5*

Light one end of a wooden splint

Remove the rubber stopper and **immediately** put the lit splint near the top of the test tube

Place the splint into ice cream container of water to extinguish

**Station 7**

Light a bunsen burner and adjust the flame to blue

Place one piece of wax in a foil dish and, using a gauze mat and tripod place, over the flame

**Station 8**

Put 4 drops of Copper sulphate (1M CuSO4) into a test tube

Add 4 drops of Sodium Hydroxide (1M NaOH)

**Station 9**

Put 1 teaspoon of baking soda and 1 teaspoon of citric acid into a small plastic bag

Add a slosh of water and quickly seal the bag.