

## Pathway 2 Creative ideas.

Here are a few ideas for you guys to do while at home.

# How to Grow a Rainbow

### You will need:

- Kitchen roll/paper towel
- Felt tip pens
- Two small bowls of water
- Paper clip
- Thread



1. Cut your kitchen roll into the shape of a rainbow.
2. Colour a rainbow with felt tips about 2 cm up on both sides.
3. Attach your paper clip to the top and tie a piece of thread to it. This will give you something to hold your rainbow with.
4. Fill each small container with water.
5. Hold your rainbow with the ends slightly submerged in the water then watch your rainbow grow!



### THE SCIENCE

A brief introduction to 'capillary action'! Water molecules like to stick to things - including themselves. Sticking to things is called *adhesion* and sticking to itself is called *cohesion*. The fibres in kitchen roll make lots of little holes. Water is 'sucked' through the holes because of adhesion (liking to stick to other things) and cohesion (liking to stick to itself) means the rest of the water follows. The water pressure will eventually slow down and the pressure of gravity will mean it stops moving.

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# DIY Lava Lamps

## You will need:

- Vegetable/sunflower oil
- Vinegar
- Food colouring
- Bicarbonate of soda
- Tall glass or bottle
- Spoon
- Small cup



1. Add three spoons of bicarbonate of soda into the tall glass or bottle.
2. Fill two thirds of the container with oil – but don't mix!
3. In the small cup, add some vinegar and several drops of food colouring.
4. Slowly add drops of your coloured vinegar into your oil/bicarb mixture and watch your lava lamp come to life!

Why not try adding different colours to your lava lamp?

## THE SCIENCE

Oil and vinegar do not have the same density (how heavy something is for its size). Vinegar is more dense than this type of oil - that's why it sinks to the bottom of the container.

Once the vinegar touches the bottom of the container, it reacts with the bicarb.

This chemical reaction creates bubbling carbon dioxide which rises – these are the bubbles you see within the container.

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## Scavenger Hunt

Have a scavenger hunt indoors. Challenge student to make their own scavenger hunt by using objects in their bedroom, front room, garden. Students can make you one for you to find too?

# RAINBOW SCAVENGER HUNT

primary playground

-  Find something red.
-  Find something yellow.
-  Find something orange.
-  Find something green.
-  Find something blue.
-  Find something purple.
-  Name a fruit that is red.
-  Name an animal that is yellow.
-  Name a vegetable that is orange.
-  Name a plant that is green.
-  Name a flower that is purple.
-  Name something outside that is blue.



### **Make salt dough.**

Super easy salt dough recipe!! Salt Dough is a wonderful product that is used to create crafts, sculptures and ornaments. It is a simple recipe and can be easily made at home using 3 basic ingredients and then placed in the oven to dry out.

#### You will need?

1 cup salt

2 cups of flour

$\frac{3}{4}$  cup of water

#### Instructions:

1. In a large bowl mix salt and flour together.
2. Gradually stir in water. Mix well until it forms a doughy consistency.
3. Turn the dough onto the bench and kneed with your hands until smooth and combined.
4. Make your creations using the salt dough.
5. Place the salt dough creations into the oven at 180C. The amount of time needed to bake depends on the size and thickness of the salt dough creations.

#### Ideas to make:

Letters - once dried can be used for spellings.

Number and sum figures – can be used for sums etc.

Faces

Vehicles

A plaque with hand prints on

Rainbow.

Be creative....



## Great idea for an art project



The elephant milk bottle are just 1 idea, any old cereal packets, other boxes and vessels can be used.

Finally... on the website you will see a link to a youtube video called Creative Learning – Beehive Frame. It has been done by our DT teacher Ber and a great project using resources from the house.