

## Mummifying an orange

### Did you know?

Even the Ancient Egyptians used science! Learn how they mummified their bodies with this experiment. They used science to preserve the bodies and now you can see how, by mummifying an orange.

### You will need:

- An orange
- Knife *\*to be used by an adult\**
- Teaspoon
- Bowl
- Kitchen roll
- Cinnamon
- Salt
- Bicarbonate soda
- Bandages
- Safety pin

### Method:

1. *\*To be done by an adult\** Make a cross shaped slit in the top of the orange using the knife.
2. Use a teaspoon to scoop out the inside of the orange into a bowl. Make sure you do this over the bowl - it can get messy!
3. Once all the insides are removed, stuff the orange with kitchen roll to absorb any juices left over. Keep replacing with new kitchen roll until the inside of the orange is dry, then remove the kitchen roll.
4. Sprinkle a spoonful of cinnamon into the orange.
5. In a cup, mix together enough salt and bicarbonate of soda to fill the orange, then spoon this mixture into the orange.
6. Make sure the slit is pushed together fully, and then start to wrap the bandage around the orange. Tie a knot or secure the bandages with a safety pin when the orange is completely covered.



### The science bit:

The Ancient Egyptians used herbs and spices to keep the bodies fresh and to dry them out. They also removed the person's insides and dried them out. Bacteria needs water to grow so if the bodies were dry, the bacteria couldn't grow on them! After mummifying your orange, check it again in a few days!

## Make a bird feeder

Up-cycle your recycling and create a bird feeder.

You could use a plastic bottle, an orange/avocado skin, milk or juice carton or even Lego. Be as creative as you like!

Your bird feeder needs to allow for a free flow of seeds so that the birds can reach the food!

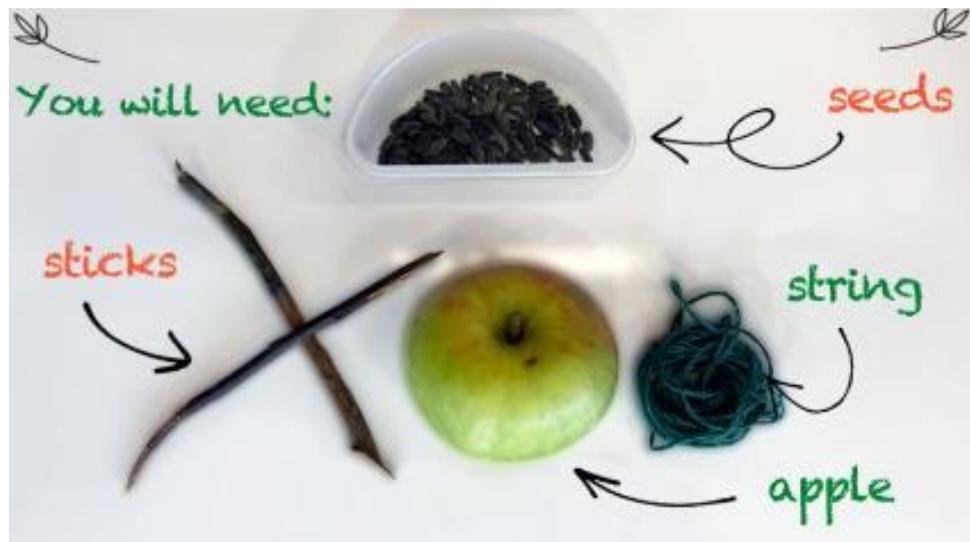
Remember to add a place for the birds to perch to eat the food - you could use a wooden spoon or sticks!

Make your bird feeder attractive by decorating it with different colours.

**If you are using scissors to cut into a bottle please make sure you have an adult present to help you.**



### 3 step bird feeder



#### Step 1

Make a hole through the middle of the apple and thread the string through it.

#### Step 2

Make an 'X' with the sticks and tie them to the string so the apple sits on top.

#### Step 3

Make a pattern by pushing the seeds into the apple, then it's ready to hang up!



## Sponge mug cake

### Ingredients

- 2 tablespoons (1oz/30g) butter
- 1 large egg\*
- 2 tablespoons milk
- 1 teaspoon pure vanilla extract
- 1 teaspoon almond extract, **optional**
- $\frac{1}{4}$  cup (50g) granulated sugar
- 6 tablespoons flour
- $\frac{1}{4}$  teaspoon baking powder
- Tiny pinch of salt



### Method

1. Place the butter in a large mug and microwave it for 20 to 30 seconds until melted.
2. Add the egg and whisk it in with a fork.
3. Stir in the milk, vanilla, almond and sugar.
4. Add the flour, baking powder and salt. Mix the batter with a fork until smooth.
5. Cover and place in the fridge. When ready to serve microwave for 1 minute and 20 seconds.
6. Top with whipped cream and fresh berries and enjoy!

## Water raft

Your challenge is to design and create a boat that floats!

Choose a small figure, for example a Lego person, and make a boat for them to sail across the water in. You could test it out in a bucket of water or the sink!

To get all the resources you'll need, you could search the outdoors for twigs and leaves or have a look through your recycling for empty butter / yoghurt pots.

Here are some examples...



Please send your photos or videos to Miss James or Miss Walker via Purple Mash. Good Luck!

## Kindness Rocks!

Find some rocks and use your Art skills to paint lovely pictures or messages on them. You could then go and place them around the community for people to find - it is sure to make their day!

