

SPECTACULAR SCIENCE

BAKE & LEARN

FUN
Activity Sheet

LAB REPORT:

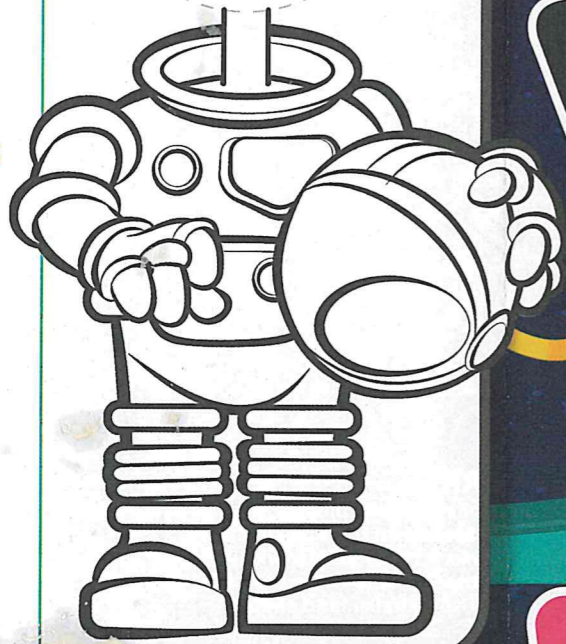
Draw **OR** add a picture of your face on the astronaut's body

NAME:

AGE:

FAVE COLOUR:

HOBBIES:



DID YOU KNOW:

The solar system was formed around 4.6 billion years ago.

ONE GIANT STEP:

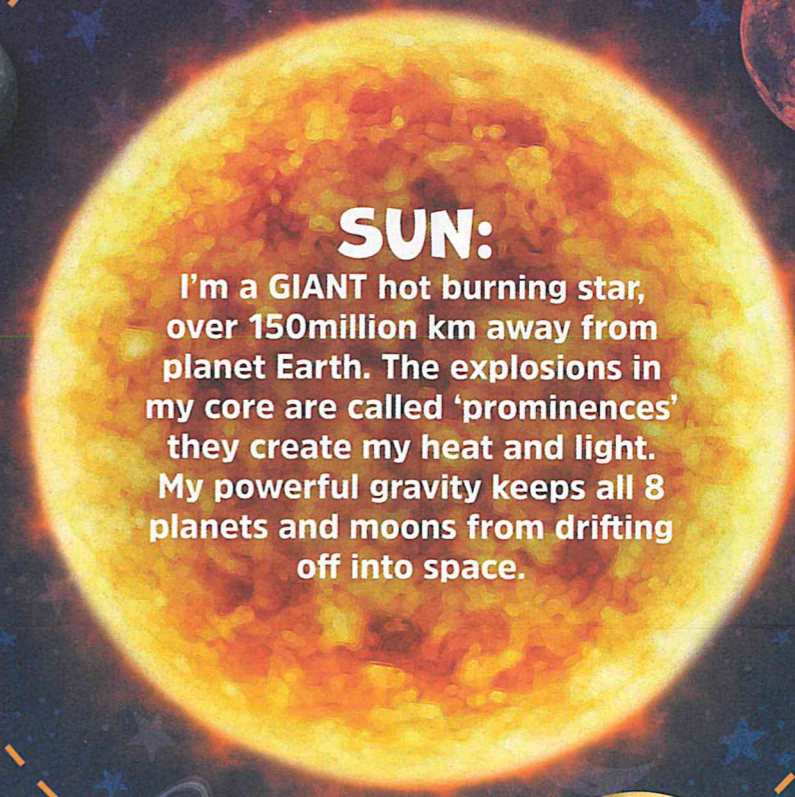
Neil Armstrong said 'That's one small step for a man, one giant leap for mankind'.

DID YOU KNOW:

On July 20th 1969, Neil Armstrong put his left foot on the rocky Moon. It was the first human footprint on the Moon.

Place the planets in the order they orbit the Sun from the nearest to the farthest away

M
V
E
M
S
N



VENUS:

I am the hottest planet in the solar system and spin the opposite direction to Earth!

MERCURY:

I'm the closest planet to the Sun and the smallest of the eight planets.

NEPTUNE:

It takes 165 years on Earth for me to finish 1 Neptunian year, meaning each of my seasons last for 40 Earth years.

URANUS:

I was the first planet to be found with the help of a telescope, and I'm the only planet that spins on my side.

SUN:

I'm a GIANT hot burning star, over 150million km away from planet Earth. The explosions in my core are called 'prominences' they create my heat and light. My powerful gravity keeps all 8 planets and moons from drifting off into space.

EARTH:

I'm the planet you call home. I rotate as I orbit the Sun and 70% of my surface is covered with water.

MARS:

I'm known as the red planet and have a volcano on my surface called Olympus Mons, which is three times bigger than Mount Everest!

JUPITER:

My red spot is an enormous storm that has been raging for over 300 years.

SATURN:

I'm famous for my visible rings around my surface which are made up of ice and rock.

TIME FOR A GIGGLE:

Q: What kind of music do planets sing?
A: Neptunes.

Q: When do astronauts eat their lunch?
A: At launch time.



Time to prepare!

Grab an apron, tie long hair back and then wash your hands. Make sure you have the help of an adult. Please read the safety message on the back of pack before you begin.

Now let's start your baking fun!

THE PACK INCLUDES:

- Cupcake Baking Mix
- 12 x White Cupcake Cases
- 60g Yellow Icing Mix
- 40g Red Icing Mix
- 30g Blue Icing Mix
- 30g White Icing Mix
- 10g Sprinkles

WHAT YOU NEED:

- For the cupcakes
- 50g soft butter (or soft margarine)
 - 60ml milk (4 tbsp)
 - 1 medium egg
- For the decoration
- Water as required

EQUIPMENT NEEDED:

- Cupcake tray
- Electric mixer or whisk
- Several small bowls or mugs

CREATE YOUR OWN SOLAR SYSTEM CUPCAKES

STEP 1 MAKE THE CUPCAKES

ASK A GROWN-UP FOR HELP

- 1** Pre-heat the oven to 180°C / 160°C fan / gas mark 4. **Take care when using the oven.**
- 2** Put the cupcake cases into a cupcake tray.
- 3** Mix together in a bowl the baking mix, margarine, milk and the egg. Then whisk (by hand or using an electric mixer) for 2-3 minutes or until the mixture is smooth and creamy. **Take care using the electric mixer.**
- 4** Spoon the mixture evenly into the 12 cupcake cases.
- 5** Bake in the oven for 25 minutes or until the cupcakes are a light golden colour. **Take care when using the oven.**
- 6** Remove from the oven, be careful they are hot and allow them to cool completely before decorating.

ASK A GROWN-UP FOR HELP

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STEP 2 PREPARE THE COLOURED ICING

- 1** Empty the Red Icing Mix Sachet into a bowl or mug and add 1 ¼ tsp of water and stir well.
- 2** Empty the Yellow Icing Mix Sachet into a bowl or mug and add 2 tsp of water and stir well.
- 3** Empty the Blue Icing Mix Sachet into a bowl or mug and add 1 tsp of water and stir well.
- 4** Empty the White Icing Mix Sachet into a bowl or mug and add 1 tsp of water and stir well.

Top tip 1 – Add small amounts of water at a time, if the icing is too runny it is difficult to add details to your planets. For best results you want the icing consistency to flow very gently to give a smooth finish.

Top tip 2 – To achieve the depth of colour that you would like, it is best to add small amounts of coloured icing at a time to allow you to check the shade.

Create your own PLANETS using the remaining 3 cupcakes

STORING YOUR CAKES

Cupcakes can be stored in an airtight container but should be eaten within 4 days.

STEP 3 NOW LET'S HAVE FUN CREATING THE PLANETS

SUN

1. Spread 1 tsp yellow icing on top of a cupcake
2. Dip a cocktail stick into red icing and swirl into the yellow icing in a spiral

TOP TIP

Create your SUN first so you have enough yellow icing

MERCURY

1. Mix ½ tsp of red with ¼ tsp of blue icing
2. Spread on top of a cupcake
3. Add 3 small dots of yellow icing
4. Swirl together using the back of a tsp

VENUS

1. Mix ½ tsp of yellow with ½ tsp of white & ¼ tsp of red icing
2. Spread on top of a cupcake
3. Add 2 dots of red & 2 dots of white icing
4. Swirl together using a fork

EARTH

1. Mix ½ tsp of blue & ½ tsp of white icing
2. Spread on top of a cupcake
3. Mix 1 tsp of yellow with ¼ tsp of blue icing to make green
4. Use to make land shapes

MARS

1. Spread 1 tsp red icing on top of a cupcake
2. Add 2 dots of yellow and 2 dots of blue icing
3. Swirl together using the back of a tsp

JUPITER

1. Mix ½ tsp of yellow with ½ tsp of white & ¼ tsp of red icing
2. Spread on top of a cupcake
3. Mix ¼ tsp of white with a dot of blue icing
4. Use to create 3 stripes
5. Add 3 stripes of white icing and a few dots of red icing & blend
6. Add 1 larger dot for Jupiter's red spot

SATURN

1. Marble ½ tsp of yellow with ½ tsp of white icing
2. Spread on top of a cupcake
3. Add 3 curves of white icing & blend
4. Create Saturn's rings with a curve of sprinkles

URANUS

1. Marble 1 tsp of white with a dot of blue icing
2. Spread on top of a cupcake
3. Create Uranus's rings with sprinkles around the edge

NEPTUNE

1. Spread 1 tsp blue icing on top of a cupcake
2. Mix ½ tsp of red and a dot of blue icing to make purple
3. Add a few dots of purple and swirl using the