

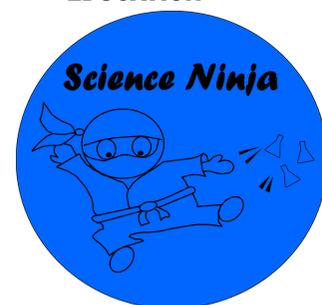


101

SIMPLE SCIENCE ACTIVITIES

with

ATOMS
EDUCATION



SPACE FUDGE

For this activity you will need:

400g white chocolate
1 tin condensed milk
25g butter
100g icing sugar
Gel food colourings

You will also need:

Cocktail sticks or skewers
A microwaveable bowl
Cutlery
Scales
Greaseproof paper
A container to let your fudge set in

FUN SPACE FACTS:

Our **solar system** is made of a number of bodies which **orbit** around the **Sun**. There are **8 planets**, **3 dwarf planets**, several **moons** orbiting planets and a large number of **asteroids** all held in their orbits due to the **force of gravity**.

The planets are (in order from the Sun) **Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus** and **Neptune**. You can remember this order using this mnemonic "**My very easy method just shows us Neptune!**" Can you work out why?

Our solar system is part of the **Milky Way galaxy**. There are millions of other stars with planets too. There are also countless other galaxies in the Universe, no one knows how many.

The first man in space was Yuri Gagarin, a Russian cosmonaut in 1961 and the first woman was also a Russian cosmonaut called Valentina Tereshkova in 1963.

ACTIVITY TIME: 1 HOUR

METHOD

Our Space Fudge is inspired by the photos taken by the Hubble space telescope. You can check them out online here before you begin if you want some inspiration:

www.nasa.gov/mission_pages/hubble/main/index.html

1. Line your container with greaseproof paper before you start.
2. Break the chocolate into squares and add to a bowl along with the butter and the condensed milk into a microwaveable bowl.
3. With grown up help melt the chocolate, butter and condensed milk together in the microwave. Melt in short ten second bursts, stirring in between until the chocolate and butter are melted. This is best to make sure you don't burn the mixture.
4. Once melted add your icing sugar into the bowl a little at a time making sure you mix it in evenly and smoothly.
5. Pour the mixture into your container lined with greaseproof paper and smooth down as evenly as possible. (Your mixture will be very sticky at this point.)
6. Use cocktail sticks dipped into gel food colouring to make some cosmic patterns in your fudge. Try to not get fudge into your food colouring just food colouring into your fudge by using lots of different cocktail sticks.
7. When you are happy with your cosmic pattern put your fudge into the fridge to set for at least 2 hours. When it's set it should slice into bite sized cubes nicely.
8. Enjoy eating your fudge but before you do if you want to send us a picture of it now is the time. Send any images to us on our facebook page or to atomsvonn@gmail.com

KEY VOCABULARY:

**planet Sun Mercury Venus Earth
Mars Jupiter Saturn Uranus Neptune
asteroid dwarf planet Milky Way
galaxy Universe Hubble space telescope**