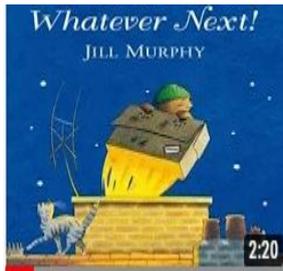


## Wednesday 17<sup>th</sup> June

Theme - 'Never stop asking questions and seek out the answers'

Step 1 - 'Never stop asking questions and seek out the answers.'  
Watch these two videos.

### Whatever Next



<https://safeyoutube.net/w/SGpJ>

### What do Astronauts Do?



<https://safeyoutube.net/w/eHpJ>

**Discussion Points** - Now that you have looked at the video you hopefully have some idea what the pictures are and how they relate to each other. Here are some questions to really focus your thinking. Talk about them together.

<p>Can you think of any questions you may want to ask an astronaut?</p>	<p>What did Baby Bear take for his picnic on the moon? What would you take? What do you think astronauts really eat?</p>	<p>Do you think Baby Bear really went into space? How do you know?</p>
<p>Why do you think Scientists send astronauts into space?</p>	<p>"Can I go to the moon?" asked Baby Bear. Now you have seen both videos. Would you like to go to the moon? Why?</p>	<p>Imagine you were an astronaut. Which jobs would you like to do? Would you enjoy walking in space?</p>

# English task

## Tasks -Early Years

Nursery: Make an Astronaut outfit like Baby Bear's. Could you role play the story? If you have a cardboard box you could even make a spaceship - Don't get too dirty in the chimney!

Reception: Could you draw pictures to make your own story map of "Whatever Next?" [use this PDF version](#) to see which parts of the story you could use. You could even write a caption for each part.

## Tasks - Key Stage 1

After watching the video, think about 'What it takes to be an astronaut?'

Write a job description for an astronaut.

'WANTED ASTRONAUT'

Remember to explain all of the different jobs they could do.

## Tasks - Lower Key Stage 2

Imagine you are chosen to be an astronaut. You have to fly the rocket into space. You have to do a space walk. Write a diary about your experiences, include how you feel when you are chosen to be part of the crew, how you feel before takeoff, describe what happens during the journey to the moon and when you have to go outside for a space walk.

## Tasks - Upper Key Stage 2

Imagine that after working really hard for many years you are chosen to be an astronaut. After your journey and first day in space you are able to send a written message to someone on Earth.

Write a letter to a friend or a family member about your first day in space.

What have you seen? What have you experienced? What is the food like? What are the other crew members like?

Write in informal language and use emotive language to show that it is a personal message.

# Maths task

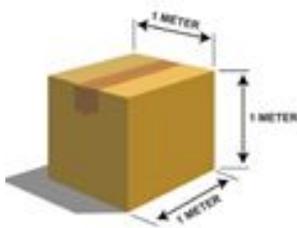
It's been over 25 years since humans set foot on "unearthly" ground—the moon, that is. It took only a few days to get to the moon, so the Apollo astronauts didn't have time to get bored.

Our next destination in the human exploration of space will probably be Mars. Although we don't yet have any definite plans for getting there, many people are busy working on the many problems that will have to be solved to accomplish this very difficult goal. The main challenge is that Mars is much farther away than the moon. Mars is the fourth planet from the Sun, and Earth is the third planet from the Sun. It takes Earth about 365 days to make one orbit around the Sun (one Earth year). It takes Mars 687 Earth days to make its journey around the Sun.

So to get to Mars, we blast off from Earth going in the same direction as Earth and Mars are both traveling around the Sun, and by adding a little speed using the spacecraft's engines, we eventually match up with Mars' orbit and catch up to Mars itself.

If we don't care about gas mileage, we can really step on it and get there in six months! A more fuel-efficient trip takes about 11 months. So, after a six-month journey, you land on Mars and have to stay at least 19 months, until Mars and Earth approach their closest positions again before you take off for the six-month journey home. **You will be gone a total of about 2-1/2 years!**

Imagine you and your family are planning for a trip to Mars. Assume that all your basic needs for air, food, water, and warmth will be met by the basic design of the spaceship and the supplies that have already been stowed aboard. All you must do is decide what personal items to take to pass the time and keep yourselves entertained and happy. All the items your crew takes a long must fit into a box 1 meter wide by 1 meter high by 1 meter deep. Use a ruler or tape measure to help you imagine the size.



You have to decide together what you would take. Remember you will be gone 2  $\frac{1}{2}$  years and Everything must fit into the box.

Do you all agree?

Did you have to make any compromises?

# Well-being task

To remember this special time before heading off into Space astronauts spend time with their families and close friends and create keepsakes or a memento.

Today you are going to create your own keepsake, your family handprints.

Draw around your hands and inside describe yourself right now. How tall you are, what you love to eat and what you hate to eat. Then in the future you will be able to look back and see if the description has changed.



# Outdoor Learning

To be an astronaut you need an understanding of engineering and a scientific knowledge about forces and flight.

Today's mission, before you go outside, is to gain some knowledge about all of these.

First, you will investigate different aeroplane and paper aeroplane designs. These websites may help, although there are many more.

[How To Make 5 EASY Paper Airplanes that FLY FAR](#)

[Paper Airplane Designs](#)

A database of paper airplanes with easy to follow folding instructions, video tutorials and printable folding plans. Find the best paper airplanes that fly the furthest and stay aloft the longest.

From these investigations you will design at least two aircraft. The aim being to find the design which travels the furthest in a straight line.

Before going outside, to test your designs, predict which you think will go the furthest. Why? Were you correct?

Try with A4, A3 paper, newspaper, card or any materials you think would be suitable and you have to hand.

You could combine different materials.

It would be great if you could post a picture of your designs and let me know how well they work and if they do not fly well, ask yourself, WHY?

**Remember to have an open mind, make mistakes and most importantly never stop asking questions and seek out the answers.**

# Creative Learning

Lots of people are interested in finding out about space and other planets as they hope that one day we will find evidence of life on other planets, some people think this will be green, strange looking aliens, and other people think this might be peculiar plants.

What do you think might be out there?

Draw your interpretation of an alien or what living thing might be found in space! Be as creative and imaginative as possible! Use pencils, pens or paints to add colour.

Here are some ideas to inspire you.

