



## Learning Project WEEK 1 - Space

**Age Range: Y3/4**

Weekly Maths Tasks (Aim to do 1 per day)	Weekly Reading Tasks (Aim to do 1 per day)
<p><b>One</b> – On plain paper and mark out a rectangle 12cm by 24cm. They are designing a vegetable patch and need to include the following areas: A carrot zone with a perimeter of 32cm, a pea zone with an area of 12cm squared, a strawberry zone with an area of 20cm squared and a perimeter of 18cm</p> <p><b>Two</b> - Following on from yesterday, design 3 more zones of your choice but there must be a difference of at least 2cm between each of the areas.</p> <p><b>Three</b> - ‘Conquer the Area’. You will need: square paper or draw a square grid, 2 different colour pencils and 2 dice. Roll the dice and multiply the two numbers together. Whoever rolled the dice draws this area on the square grid with their pencil. Fill up the whole page - whoever has taken up the most space wins.</p> <p><b>Four</b> - Practise counting in multiples of 50 and 100 forwards and backwards. Record these sequences on paper.</p> <p><b>Five</b> - Visit <a href="https://primarymaths.wordpress.com/category/space-activities/">https://primarymaths.wordpress.com/category/space-activities/</a> for more space-themed activities or play this Space Rocks game.</p>	<p><b>One</b> - Recreate space and read a story e.g. under dark bed sheets with a torch or even in the garden under the stars (with supervision).</p> <p><b>Two</b> – Visit <a href="https://worldbookonline.com">https://worldbookonline.com</a> and login using <i>Username: wbsupport</i> and <i>Password: distancelearn</i>. Select eBooks and search for the title ‘A Place in Space’. Ask your child to read the book and complete the activities at the back.</p> <p><b>Three</b> - Read chapter 1 of Survival in Space: The Apollo 13 Mission together. (<a href="https://www.lovereading4kids.co.uk/extract/17032/Survival-in-Space-The-Apollo-13-Mission-by-David-Long.html">https://www.lovereading4kids.co.uk/extract/17032/Survival-in-Space-The-Apollo-13-Mission-by-David-Long.html</a>). Note down unfamiliar words and explore these together.</p> <p><b>Four</b> - Encourage your child to explore the surface of Mars on the Curiosity Rover (<a href="https://accessmars.withgoogle.com">https://accessmars.withgoogle.com</a>). What did they notice? What was most surprising?</p> <p><b>Five</b> – Create your own Book Bingo. See here for inspiration - <a href="https://khalsaread.wordpress.com/">https://khalsaread.wordpress.com/</a> Can you complete the game over the next week?</p>
Weekly Spelling Tasks (Aim to do 1 per day)	Weekly Writing Tasks (Aim to do 1 per day)
<p><b>One</b> - Create your very own space themed word bank e.g orbit, solar, comet. You can refer to this for some of your writing tasks.</p> <p><b>Two</b> - Practise spelling these words: division, invasion, confusion, decision, collision, television. List synonyms for each word (words with the same meaning).</p> <p><b>Three</b> - Learn to spell the names of all the planets in our solar system. Put them in alphabetical order and then order of size.</p> <p><b>Four</b> - Choose 5 Common Exception words (<a href="http://www.crosslee.manchester.sch.uk/serve_file/253974">http://www.crosslee.manchester.sch.uk/serve_file/253974</a>) and go into a darkened room with a torch and write them in the air with the torch light.</p> <p><b>Five</b> – - Using the word bank from Wednesday, ask create your very own space-themed word search. A family member could complete it.</p>	<p><b>One</b> - - Visit <a href="https://www.literacyshedplus.com/en-gb/resource/broken--rock--paper--scissors-ks2-activity-pack">https://www.literacyshedplus.com/en-gb/resource/broken--rock--paper--scissors-ks2-activity-pack</a> on Broken: Rock, Paper, Scissors. Or your can write a response to this: If I met an alien, I would... You could record your responses in a list to form a list poem and then perform it.</p> <p><b>Two</b> - Write a diary entry about what it would be like on a Space Station. What do they miss about life on Earth? Visit <a href="https://safeyoutube.net/w/GA6K">https://safeyoutube.net/w/GA6K</a> for inspiration).</p> <p><b>Three</b> - Create a travel brochure for a planet of their choice or to promote space tourism in general. Make sure they include information about travel times, accommodation, food and things to do and see.</p> <p><b>Four</b> – Write a story about a character who went into space for the day. Think about which time openers (eg. Later that day) you could use and how you would build the suspense to engage the reader.</p> <p><b>Five</b> - Create an information poster about Neill Armstrong(<a href="https://www.bbc.co.uk/bitesize/topics/zjwvb82/articles/zhx4k2p">https://www.bbc.co.uk/bitesize/topics/zjwvb82/articles/zhx4k2p</a>). Remember to use labels and captions. What diagrams could they include?</p>

**Learning Project - to be done throughout the week.**

**The project this week aims to provide opportunities to learn more about space. Learning may focus on our Solar System, the Sun and the Moon. It could look at life in outer space from the view of an astronaut and travelling through space.**

**Our Solar System** - Think about what you already know about space and create a mind map. Can they name the planets in our solar system? Can you remember them in order or create your own mnemonic to help them? Research the characteristics of the planets e.g What is it made of? What size is it? How close to the Sun is it? Temperature? Create a fact file, PowerPoint or Google Slide presentation on a planet of your choice.

**Blast off!** - Design a new spacesuit suitable for an astronaut. You will need to consider which materials would be most suitable, comfort for the astronauts and the temperature in space. Design a logo for the spacesuit too. Perhaps you could make this using materials from around the home?

**Astronaut Aerobics** - Astronauts have to be fit and agile for their missions to space. Design an obstacle course in your garden or home space and put your agility to the test! Can you find your pulse and count your heart rate before and after exercising? Recommendation at least 2 hours of exercise a week.

**Out of this World** - If space travel was made more accessible and you could go on holiday to space, would you like to be the first space tourist? Can you think of arguments for and against being the first space tourist? Is it unethical for millionaires to spend their money on space tourism or should they spend all their money on reducing poverty? Prepare a speech about this discussion point.

**One Giant Leap for Mankind** - Find out about Neil Armstrong. Who was he and what challenges did he have to overcome during his life? Can you write a biography or create a piece of drama about Neil Armstrong's life and achievements?

#### **Additional learning resources parents may wish to engage with**

[Classroom Secrets Learning Packs](#) - These packs are split into different year groups and include activities linked to reading, writing, maths and practical ideas you can do around the home.

[White Rose Maths](#) – to access these resources click on the link

[Times Tables Rockstars](#) – lots of times table practise. Your child has a username and password.

[Mathletics](#) – Lots of lovely maths practice followed by a game. Your child has a username and password.

[Spelling Shed](#) – Weekly spellings. Your child has a username and password.

[Oxford Owl](#) - to access these resources click on the link.

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