



W/C 13.07.2020: Learning Project - Space

Age Range: Y4

Weekly Reading Tasks	Weekly Spelling Tasks
Monday- Encourage your child to 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).	Monday- Task your child with creating their very own space themed word bank e.g orbit, solar, comet. They can refer to this for some of their writing tasks.
Tuesday- Encourage your child to read using activelearn. Can they summarise the chapter or book in fewer than 50 words?	Tuesday- Practise spelling these words: division, invasion, confusion, decision, collision, television . Ask your child to list synonyms for each word (words with the same meaning).
Wednesday- Read chapter 1 of Survival in Space: The Apollo 13 Mission together. Ask your child to note down unfamiliar words and explore these together.	Wednesday- Learn to spell the names of all the planets in our solar system. Put them in alphabetical order and then order of size.
Thursday- Encourage your child to explore the surface of Mars on the Curiosity Rover here . What did they notice? What was most surprising?	Thursday- Flash writing. Choose 5 Common Exception words and go into a darkened room with a torch and write them in the air with the torch light.
Friday- Task your child with creating their own Book Bingo. See here for inspiration.Can they complete the game over the next week?	Friday- Using the word bank from Wednesday, ask your child to create their very own space-themed word search. A family member could complete it.
Weekly Writing Tasks	Weekly Maths Tasks- Area and Perimeter
Monday- Visit the Literacy Shed for this wonderful resource on Broken: Rock, Paper, Scissors . Or your child can write a response to this: <i>If I met an alien, I would...</i> Your child could record their responses in a list to form a list poem and then perform it.	Monday- Access the Power Maths C book online and work on Unit 15 – Geometry -angles and 2D shapes. Remember to complete all sections of the lesson – Discover, Think Together and Individual Practice.
Tuesday- Ask your child to write a diary entry about what it would be like on a Space Station .What do they miss about life on Earth? More inspiration here .	Tuesday- Give your child an A4 piece of 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.
Wednesday- Encourage your child to 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, accomodation, food and things to do and see. If you have access to a PC, this could be done on Word or Google Docs.	Wednesday- '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.
Thursday- Ask your child to write a story about a character who went into space	Thursday (other)- Practise counting in multiples of 50 and 100 forwards and

for the day. Ask them to think about which time openers (e.g. Later that day,) they could use and how they could build suspense to engage the reader.

backwards. Record these sequences on paper.

Friday- Create an information poster about [Neill Armstrong](#). Remind your child to use labels and captions. What diagrams could they include?

Friday (other) - Visit [this website](#) for more space-themed activities or play this [Space Rocks game](#).

Learning Project - to be done throughout the week

The project this week aims to provide opportunities for your child 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-** Encourage your child to think about what they already know about space and create a mind map. Can they name the planets in our solar system? Can they remember them in order or create their own mnemonic to help them? Ask your child to 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? Can they create a fact file, PowerPoint or Google Slide presentation on a planet of their choice? [These facts](#) about Mars or these [facts about space](#) may be a good starting point.
- **Blast off!-** Ask your child to design a new spacesuit suitable for an astronaut. They will need to consider which materials would be most suitable, comfort for the astronauts and the temperature in space. Encourage them to design a logo for the spacesuit too. Perhaps they could make this using materials from around the home? Share your designs at [#TheLearningProjects](#).
- **Astronaut Aerobics-** Astronauts have to be fit and agile for their missions to space. Ask your child to 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-** Ask your child if space travel was made more accessible and they could go on holiday to space, would they like to be the first space tourist? Can they 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? Ask them to prepare a speech about this discussion point.
- **One Giant Leap for Mankind -** Ask your child to find out about [Neil Armstrong](#). Who was he and what challenges did he have to overcome during his life? Can they write a biography or create a piece of drama about Neil Armstrong's life and achievements?

STEM Learning Opportunities #sciencefromhome

Mission X – Jump Training

- Stronger bones help astronauts stay safer while performing all of their assigned tasks – whether in a space vehicle, on the moon, Mars, or once back on Earth.
- Your bones become stronger when you do exercises that support your weight, such as running or jumping. Train like an astronaut by skipping on the spot for 60 seconds without stopping. Rest for 30 seconds. Repeat three times. Vary and extend by adding jumping jacks, travelling forward and by increasing length of time. You can find out more [here](#).
- Sign up and access all of the Mission X resources [here](#).

Additional learning resources parents may wish to engage with

- [BBC Bitesize](#) - Lots of videos and learning opportunities for all subjects.
- [Classroom Secrets Learning Packs](#) - Reading, writing and maths activities for different ages.

- [Twinkl](#) - Click on the link and sign up using your email address and creating a password. Use the offer code UKTWINKLHELPS.
- [Times Table Rockstars](#) Your child can access this programme with their school logins. On Times Table Rockstars, children should aim to play Soundcheck for 20 minutes daily.
- IXL online. Click here for [Year 4](#). There are interactive games to play and guides for parents.
- [Mastery Mathematics Learning Packs](#). Take a look at the mastery mathematics home learning packs with a range of different activities and lessons.
- [Y3 Talk for Writing Home-school Booklets](#) and [Y4](#) are an excellent resource to support your child's speaking and listening, reading and writing skills.

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