

Week 12: Learning Project - Space

Age Range: Y6

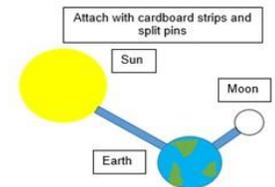
Weekly Reading Tasks	Weekly Spelling Tasks
Task your child with reading unusual things in unusual spaces e.g. a recipe book in the bath. How many unusual spaces can they find over the week?	Pick 5 Common Exception words from the Year 5/6 spelling list . Challenge your child to write three sentences for each of their words.
Complete the reading comprehension below.	Encourage your child to organise these synonyms from slowest to fastest: quickly, speedily, swiftly, hurriedly & in a flash . Which best describes a rocket launching into space?
Click here for a reading activity about Space Tourism . Challenge your child to read the text in 3 minutes and complete the questions.	Get your child to proofread their writing from the day. Encourage them to use a dictionary to check the spelling of any words that they found challenging.
Ask your child to listen to or read along to the poem Cosmic Disco . What does your child think is the main idea in the poem?	Task your child with identifying any space related words from the poem Cosmic Disco . Can they draw illustrations to represent these words too?
Encourage your child to research information on past space expeditions here . Which expedition was the most impressive? Why?	
Weekly Writing Tasks	Weekly Maths Tasks- Area and Perimeter
Visit the Literacy Shed for this resource on Broken: Rock, Paper, Scissors or your child can create a comic strip retelling Armstrong's mission to the moon.	Order the planets based on the number of Earth days it takes for them to orbit the Sun- Saturn: 10,759 days, Earth: 365 days, Mercury: 88 days, Uranus: 30,687 days, Jupiter: 4,333 days, Mars: 687 days, Venus: 225 days & Neptune: 60,190 days.
Ask your child to pretend they have woken up to find an alien at the end of their bed. Write a detailed description of the alien thinking about size, appearance and the sounds it makes. Draw it too!	Find objects around the home and get your child to estimate the area and perimeter and then measure the actual area and perimeter. If you have not got a ruler at home use this online resource .
Get your child to imagine that they are a news reporter, reporting on this alien visit. They can write a newspaper report. Remind your child of the features of a newspaper . If they have access to a PC, they can type up their finished report on Word or Google Docs.	Your child could make a map of a newly discovered planet. Provide them with a grid drawn onto paper. Each square on the map represents 5 metres squared (m ²). It must include: mountains 220m ² , a water source 140m ² , three islands that must each be between 120m ² and 240m ² .

<p>Ask your child to create a travel brochure for a newly discovered planet. Consider: travel time, location, accommodation and things to do and see.</p>	<p>Ask your child to have a go at the different activities in this NRICH task. This can be done on paper.</p>
<p>Your child can write a persuasive letter/job application to NASA asking to be the next astronaut to go into space. Remind them that they must include the skills they have that would make them the best candidate.</p>	<p>There is a wide range of maths lessons (including ones on area and perimeter) with teaching and activities to complete on https://classroom.thenational.academy/subjects-by-year/year-6/subjects/maths/</p>

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.

- **Moon Moves** - Get your child to research the importance of the [Moon](#) to life on Earth. Ask your child to research the movement of the Moon relative to the Earth and create a model of the Earth, Moon and Sun. Here is an idea of how your child could do it.
- **Through Space and Time**- Ask your child to research space exploration history and create a timeline of how people have travelled into space. Get them to think about when the first rocket was launched? When did the first man travel to space? How about the first woman? What other significant events can they add to their timeline?
- **Connect the Dots**- Ask your child to examine the different life stages of a star and explore the names and shapes of some famous [constellations](#). Ask your child to create a poster displaying the different constellations which can be used to teach others. Tell them to make it as creative as possible.
- **Dancing into Space**- Listen to Holst's '[The Planets](#)' with your child. Ask them to select a planet and decide what they think that planet would be like. Get them to create a dance/ set of movements to go with the music which will portray this. Take a video of their dance to share with the family and encourage your child to self-evaluate whilst watching the video.
- **Mission to Space**- Get your child to research the different components of a spacecraft and using their understanding of this, design their own spacecraft. Get them to think carefully about what it needs to include in order for astronauts to survive in space. Can they make a small scale model using resources from around the home? There might be inspiration [here](#).



STEM Learning Opportunities #sciencefromhome

Mission X – Building a Bionic Hand

- It is difficult and tiring for humans to work in space. Bionic hands that can be remotely operated can help humans work more efficiently in space. Try making a model bionic hand using cardboard, straws, string and elastic bands. You will need to think about how a human hand works to help you with your design. 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.
- [White Rose Maths](#) online maths lessons. Watch a lesson video and complete the worksheet (can be downloaded and completed digitally).
- [Times Table Rockstars](#) and [Numbots](#). Your child can access both of these programmes with their school logins **(Miss Smith's group only)**.
- IXL online. Click here for [Year 6](#). You can practise any maths skills you like on here especially if there is an area you are finding challenging. There are also lots of English activities on here too (just select English at the top).
- [Mastery Mathematics Learning Packs](#). Take a look at the mastery mathematics home learning packs with a range of different activities and lessons.
- Talk for Writing Home-school Booklets [Y6](#) are an excellent resource to support your child's speaking and listening, reading and writing skills.

#TheLearningProjects

This week's comprehension is based on a picture. The questions are mainly inference questions which is one of the key reading skills that we have concentrated on in year 6.

This can be completed as a discussion or a written exercise but no answers are provided as they will differ for each child. However, please encourage your child to justify their answer, eg. "I think/ know this because"



Stargazer

As an astronomer, Peter believed he had the best job in the world! Ever since he was a boy, Peter had been fascinated with stars, planets, moons, comets and galaxies. Any celestial object that he witnessed had Peter enraptured.

As he stood alone on the frozen surface of the lake, wrapped up well against the bitterly cold wind, Peter glimpsed something extraordinary through his telescope. It was in moments like this that Peter truly felt alive...

Questions

1. What is Peter's job?
2. Why do you think he enjoys his job so much?
3. What subjects do you think Peter enjoyed at school?
4. What do you think he has seen through his telescope?
5. How does a telescope work?
6. What subjects do you enjoy at school?
7. What job would you like when you're older?