



## Y5 Project 1 Learning Journey: Stargazers

*Journey through space, the final frontier. Navigate beyond the Sun, the magnificent, blazing star at the centre of our Solar System. Investigate the eight planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune. Take a look at the Moon, a celestial body that orbits Earth. Programme a rover to traverse a lunar landscape and work scientifically to investigate gravity, and what happens when there is none. Compare the times of day at different places on the Earth. Get in a spin making simple models of the Solar System. Then it's 3, 2, 1, blast off. Build and launch a rocket for an important test mission. Exploring space is probably the greatest adventure that humankind has ever undertaken. Are we alone? Or are there other life forms out there?*

<p style="text-align: center;"><b>English</b></p> <p>English: Journey stories</p> <p>Project linked: Debates</p> <p>Class read: 'Phoenix' by S F Said</p>	<p style="text-align: center;"><b>Maths</b></p> <p>Place value and number properties</p> <p>Improving rapid recall with accuracy</p> <p>Meaningful maths – through science: Comparing data such as the size of the different planets</p>	<p style="text-align: center;"><b>Science</b></p> <p>Earth and Space – The Solar System</p> <p>BIG Q: Why would you choose to live on Earth?</p> <p>Investigations: How do we know the Earth is round? How does the Moon move? Why do planets have craters?</p>
<p style="text-align: center;"><b>History</b></p> <p>The history of astronomy and the Space Race.</p> <p>Black History (in recognition of Black History Month)</p>	<p style="text-align: center;"><b>Computing</b></p> <p>Creating media: Using PowerPoint and HTML</p> <p>Online safety essentials</p>	<p style="text-align: center;"><b>Art &amp; design</b></p> <p>Creating sketch books to record observations and use them to review and revisit ideas</p> <p>Abstract art inspired by the work of Peter Thorpe</p>
<p style="text-align: center;"><b>PSHE</b></p> <p>Being me in my world: Why are rules, rights and responsibilities needed in our school and wider community?</p> <p>Value: Respect</p>		<p style="text-align: center;"><b>PE</b></p> <p>REAL PE unit 1 Hockey</p>
<p style="text-align: center;"><b>French</b></p> <p>Revision of Y4 content Je me presente, les jours, les mois, les animaux, en famille</p>	<p style="text-align: center;"><b>RE</b></p> <p>What does it mean to forgive and why do people do it? Judaism and Buddhism</p>	<p style="text-align: center;"><b>Music</b></p> <p>Space themed music: The Planets by Gustav Holst Ostinato / composing</p>

Please see the knowledge organiser sent with this document to find out what skills, knowledge and understanding your child is expected to have by the end of the project.

## Suggested reads

Why not pop along to your local library and see what books they have about The Solar System and space? Here are some recommended reads:

- Northern Lights - Philip Pullman
- Solar System - Fascinating Facts Collins
- The Usborne Official Astronaut's Handbook - Louie Stowell
- The King of Space Jonny Duddle Astronomy (Usborne Discovery) - Rachel Firth
- Explorers on the Moon - Hergé
- Neil Armstrong and Travelling to the Moon - Ben Hubbard
- Bloomsbury Discovery - Space Bill Boo
- See Inside the Universe - Alex Frith
- Why is There Life on Earth? - Andrew Solway
- Knowledge Encyclopedia: Space! - DK
- Moon Tales - Rina Singh

## Regular home learning

Pupils are expected to practise their weekly spellings which will focus on the Statutory Spellings for Yr5&6 online using the Spelling Shed website (<https://play.edshed.com/en-gb/login>) and the log on details provided to them.

In addition, we would strongly recommend regular reading and TT Rockstars. Those who participate will not only be rewarded through House Points and Merits, but will reap the benefits of regular practice and revision of skills that are needed across curriculum areas and in many walks of life.

## Optional home learning challenges linked to our project

If after completing their spelling practice and reading, your child would like to complete additional home learning challenges, here are some ideas of projects they could attempt and bring in to share with their class teacher for *bonus merits*.

- Keep a Moon diary over the course of a lunar month. Draw the shape of the Moon each night, finding out and recording the correct term for each lunar phase
- Use non-fiction books, astronomy magazines and the web to find and record amazing facts about space. Create a space scrapbook using your facts and downloaded images
- Search the night sky and try to identify the Moon, stars or even some of the other planets in the Solar System such as Venus or Mars. Use binoculars or a telescope if possible. You might also be able to use an app which will help you to locate the position of the stars.
- Imagine... an alien space ship has crash landed in your back garden. Write a story about what happens next. You may want to borrow ideas from space stories or films you know well. Remember to use powerful vocabulary to bring your story (and your alien) to life!
- So far, 24 astronauts have visited the Moon. Find out their names, download pictures and record interesting facts about them.
- Write a letter of application to the UK Space Agency to become an astronaut. What personal qualities or skills would you need to carry out this role?
- Design and create an astronaut space helmet or alien headwear using junk materials. Bring it to school and take part in a space-inspired fashion parade!
- Using non-fiction books and online research, find out the names of some of the best-known star constellations. On a clear night, try to identify them. Draw diagrams of those you have spotted. Do you think the names they have been given suit them?
- Make a 3-D model of the Solar System which displays all the planets in order.

## Useful information

- Y5 are scheduled to do PE on Mondays and Thursdays, but this can change without notice so please ensure your child has their full PE kit in school every day. Please provide your child with warm weather kit as well as indoor clothes.
- School photos will be taking place on Friday 29<sup>th</sup> September.
- Y5 are visiting the National Space Centre on Tuesday 19<sup>th</sup> September, with a return time of approximately 4pm.



**Inspiring the learning journey!**