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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?

Subject coverage

English	Maths	Science
A journey tale - Linked to our class read 'Cosmic'	Number and place value	The solar system
History	Computing	Art
The history of astronomy and space travel	Staying Safe online Using PowerPoint	Abstract art inspired by the work of Peter Thorpe
Geography	Music / Dance	PE
Using aerial photographs to locate countries and describe features	Space themed songs Street Dance	Real PE unit 1 Hockey
PSHE	RE	French
Being me in my world: Why are rules, rights and responsibilities needed in our school community and beyond?	What does it mean to forgive and why do people do it? (Judaism & Buddhism)	Revision of Je me presente, les jours, les mois, les animaux, en famille

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 next term in science and their curriculum project.

Suggested reads

Why not pop along to your local library and see what books they have about the Normans? Here are some recommended reads:

- Northern Lights - Philip Pullman
- Alone on a Wide Wide Sea - Michael Morpurgo
- 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
- Moontellers - Myths of the moon from Around the World Lynn Moroney

Optional home learning challenges

If after completing their reading, spelling practice, arithmetic and TT Rockstars games, 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 Tuesdays and Wednesdays, 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.
- To keep hydrated, pupils require a water bottle in school each day please. They will be reminded to take it home each afternoon for a wash.
- The photographer is in school on Tuesday 14th September to take individual pupil photos.