



**Name of project**  
**To infinity and beyond**  
**Year Group: 5**  
**Term: Autumn 1**

<b><u>Our Learning Overview</u></b>	<b><u>Summary of current hook:</u></b>	<b><u>Summary of current celebration:</u></b>
Throughout the half term, we will be learning about the wonders of our solar system and beyond!	The children will be immersed in their Design and Technology project, which is to design and build a prototype model of a lunar rover for the NASA Artemis mission in 2024.	To celebrate the learning journey, Year 5 will be producing a range of written outcomes, art work and Lunar Rovers in our DT topic  We are hoping to share this with parents and go stargazing!
<b><u>Our Learning Journey</u></b>		<b><u>RSE-Me and Relationships</u></b>
This half term the children have a science led unit focusing on space. Throughout the half term the children will learn about the different planets in the solar system leading to their own research into one planet in particular. They will learn about night and day and the phases of the moon. The children will carry out a scientific investigation to explore how the size of a crater is affected by height of the drop for the meteor. They will collate their scientific learning by creating their own knowledge organiser. In order to design their own moon rover for the Artemis mission, the children will explore axles and motors and use this knowledge to inform their model. In Art the children will be using chalk and paints to represent the surface of the moon. They will also study work created by Peter Thorpe and produce their own abstract planet painting based on his style. The children will compose their own music to represent imaginary planets, using the characteristics of each to vary the composition.		<b><u>RSE</u></b> The RSE unit this half term is called "How to keep ourselves safe". We will explore the harmful effects of smoking and drugs and how to manage risk.
		<b><u>E-Safety</u></b> We will continue to educate children on the safe use of the INTERNET and Social Media.
		<b><u>Outdoor Learning-linked to History</u></b> We hope to use our grounds to stargaze as part of our parent outcome!
<b><u>What are the current curriculum links to maths and English?</u></b>		<b><u>Key dates for your diary</u></b>
In English we will be tweeting from the moon, writing speeches on whether we should go back to the moon, and writing descriptions of the Earth from space. Across the Maths curriculum, we will be focusing on the areas: negative numbers, linked to temperatures on different planets, geometry (measuring and drawing angles), fractions and percentages and subtraction and addition with whole numbers and fractions.		Wednesday and Thursday are PE days. Library is every Monday.
<b><u>This term we will be developing the IGNITE value of</u></b>		
Children are encouraged to approach difficult learning with self-belief.		
Children will be able to use models in lessons and inspiration in the success of others.		
Children will start to make links between their new learning and what they already know.		
Children will know and understand how to improve their knowledge through new challenges.		