



Year 5 – Stargazers



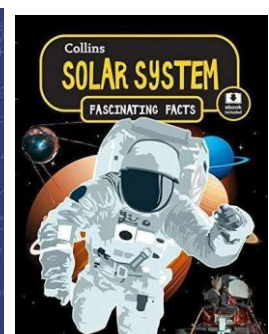
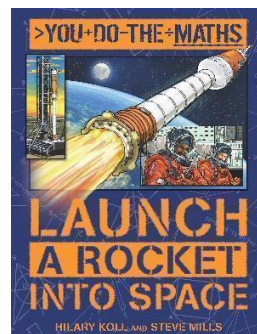
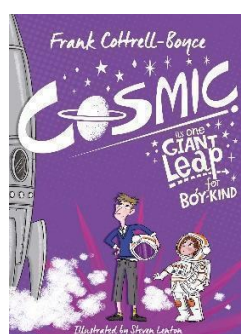
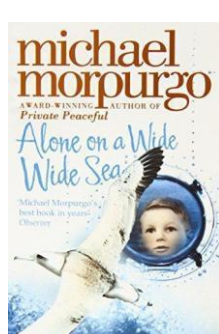
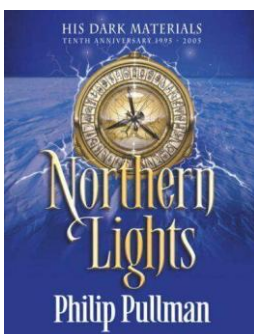
Topic Overview

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. Work scientifically to investigate gravity, and what happens when there is none.

Compare the times of day at different places on the Earth and use GPS satellite navigation systems to track hidden treasure. Get in a spin making simple models of the Solar System and

listen to the haunting sounds of space themed songs. 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?

Recommended Books



This Term We Are Learning ...

English

The Lion, The Witch and The Wardrobe - C.S.Lewis: This term, the children will be developing their descriptive writing by creating a character description of a formidable figure, drawing inspiration from the White Witch, characters in Abi Elphinstone's *Sky Song*, and Hans Christian Andersen's *The Snow Queen*. They will explore how each author uses language and structure for effect and experiment with applying similar techniques in their own writing. Their character description will then feed into the creation of an additional chapter for the book, where they will learn how to organise their ideas using cohesive devices and well-structured paragraphs. Alongside this, the children will produce an information leaflet about Narnia, studying real examples to understand how features such as headings, subheadings and bullet points help to organise information clearly. We will also revisit modal verbs to support their writing across the unit.

Maths

Decimal fractions

This term, pupils are developing their understanding of multiplication and division, particularly when working with 10, 100 and 1,000. They are learning how numbers change when multiplied or divided by these values and applying this knowledge to solve a range of problems.

Children are also using these skills to convert between different units of measure, including length, mass and capacity, helping them make real-life connections in maths.

In addition, pupils are exploring decimal numbers. They are learning how to multiply and divide decimals by whole numbers, using known multiplication facts and place value understanding (tenths and hundredths). They are also investigating the links between multiplying and dividing by numbers such as 0.1 and 0.01.

As their confidence grows, pupils are applying these skills to solve problems and explain their reasoning, including predicting how answers will change depending on the numbers involved.

Factor and Prime numbers: This term, pupils are exploring volume and number properties. They are learning what volume is, how it is measured, and how to calculate the volume of shapes such as cuboids and more complex (compound) shapes.

Alongside this, children are developing their understanding of number. They are learning about factors, multiples, prime numbers, and square numbers, and how these concepts are connected. Pupils are also practising how to find all the factors of a number in a systematic way and use this knowledge to solve problems.

In multiplication, pupils are building on their understanding by working with three or more numbers and using strategies such as the commutative and distributive laws to make calculations more efficient.

	Throughout the unit, pupils are applying their knowledge to a range of problem-solving contexts, helping them to explain their reasoning and deepen their understanding of how numbers work.
Science	Stargazers: The children will gain a deeper understanding and develop their knowledge of the Solar System. They will learn about the Moon, planets and the Sun, including using the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky. They will learn to describe the movement of the Moon relative to the Earth. The children will also learn about significant individuals in the scientific world, including Galileo and Newton.
History	History: The children will listen to the story of how Sir Isaac Newton described the concept of gravity and re-tell in their own words through a dramatic performance. Children will learn about Galileo Galilei, hailed as the father of modern observational astronomy. They will learn about the experiment he conducted to prove that objects of the same shape accelerate at the same rate, no matter their mass. The children will experiment with his theory in the classroom.
Religious Education	What does it mean to live a good life? The children will be exploring some basic philosophical ideas around making choices on how to live. We will be looking briefly at Aristotle's Golden rule and some humanist values as well.
Art and DT	DT: The children will design, create and evaluate a moon buggy, selecting materials that they believe to be appropriate for the task.
Music	The children will continue to be taught keyboards this term. They will be focusing on reggae and baselines.
P.E.	Tennis: Children will learn a variety of skills, including being able to choose particular skills that meet the needs of the situation. They will also learn how to hit the ball with purpose, varying speed, height, and direction. Orienteering: Pupils develop both physical and problem-solving skills as they navigate around a course.
PSHE	Relationships: The children will compare different types of friendships and the feelings associated with them. They will also learn how to stay safe when using technology to communicate with their friends, including how to stand up for themselves, negotiating and resisting peer pressure.