

Our topic this half-term is called: **What is beyond Earth?** Science will lead with links to Art. There will also be some stand-alone subjects: RE, French, Computing and Music, and we will also revisit some of our Wellbeing learning during Anti-Bullying Week, which runs during 13th-17th November.

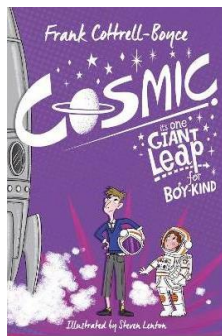
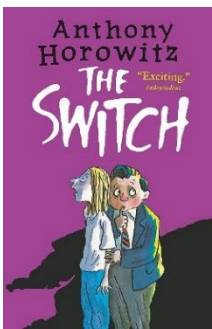


As **writers**, we will be planning and writing (using relative clauses, commas for clauses and adverbials to show time) a biography about a female astronaut. We will be using brackets and ways to show cohesion to plan and write an explanation text about how night and day occur. We will also be using expanded noun phrases and modal verbs to write our own Christmas poem, which will be performed to parents.

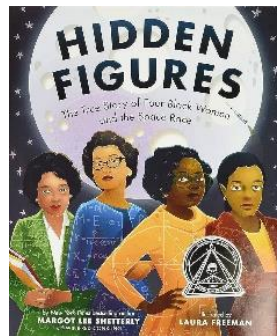
As **readers**, we will be using **Rocket Retriever** to find information to answer questions about the texts we read. We will be developing our decoding strategies using **Dark Decoder** and **Word Wolf** to find out the meanings of new words, so that we can use them in our writing. We will also look at the difference between fact and opinion use our growing knowledge and understanding of reading fluency to prepare a Christmas poem to perform aloud.



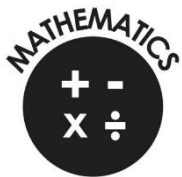
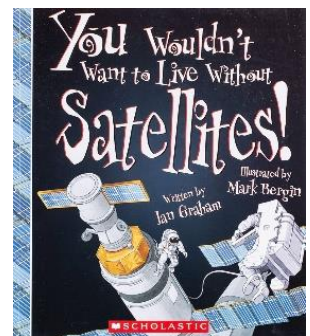
Our **class novels** are:



In **English** we will be reading:



In **Guided Reading** we will be reading:



As **mathematicians**, we will be learning new strategies for mental and written multiplication and division and applying these skills to solve problems. We will develop our understanding of fractions by ordering, comparing them and finding equivalence. We will also be applying our understanding of multiplication to calculate and compare the area of rectangles. We will be furthering our understanding of time and timetables by reading and interpreting timetables in a range of different contexts.

As **scientists**, we will be learning how to describe the movements of the planets in our Solar System and explaining how day and night occur. We will compare different everyday materials and learn how to compare their properties. We will be working scientifically by comparing these materials using fair tests and using our maths skills to record information and writing conclusions about what we find by interpreting them. **Vocabulary:** rotate, axis, spherical bodies, day, night, star, solar system, tilted, orbit, material, properties, insulator, conductor, soluble, transparent, magnetic.



As **artists**, we will be learning about the lives and careers of important abstract artists, such as Wassily Kandinsky and Jackson Pollock. We will be using their work to develop our skills of drawing and painting, using different techniques to create and evaluate our own piece of abstract art. **Vocabulary:** line, tone, pattern, texture, form, space, colour, shape, strong, dominant, abstract, realistic, contrasting, complementary, cool, warm, monochrome, subtle, bold.

As **sports people**, we will be learning to swim breaststroke, front crawl and back crawl effectively. We will also learn how to perform self-rescue in different water-based situations. In dance we will learn how to join travel, turn, gesture and stillness to create and perform a dance based on space. Please remember to wear **PE kits** every **Tuesday** and **Friday** with **swimming** kits also needed every **Friday**.



As **educated citizens**, we will explore stereotypes and how bullying (including rumour spreading) negatively impacts others. We will also revisit some of our learning on mental health, linking this to Anti-Bullying week. We will also be learning about our value of **Respect**. We will be developing our understanding of difference (e.g. disabilities, families, religion, the way others look, hobbies etc). We will listen to each other calmly and fairly and speak to each other in a positive and respectful manner. We will focus on treating others how we would like to be treated, as well as caring for our property and community.

As **musicians**, we will be furthering our understanding of the differences between semi-breves, minims, crotchets, paired quavers and crotchet rests. We will be learning to read and play short rhythmic phrases at sight from prepared cards, as well as refining and rehearsing our pieces with an awareness of an audience.



As **linguists**, we will be using our speaking and listening skills to learn how to talk about going shopping every Thursday with Mrs Boswell. Our learning will include different types of shops and how to order different items in a shop or café. We will then read phrases and sentences and then use this as a model for writing.

As **computer users**, we will be using Espresso Coding every Thursday afternoon with Mr Smith. We will focus on controlling an objects speed, direction and heading by applying lots of our learning from Maths. As the we develop our skills, we will apply our knowledge of the x and y axis and angles to control objects with greater accuracy and also debug our code.



Home Reading and Homework:

Reading targets are checked every **Friday**. Children will be expected to complete at least one reading quiz a week (80+%) to achieve their reading target. Remember, plenty of reading please with an adult so support can be provided with unfamiliar vocabulary and checking for understanding. You might find our reading videos useful which are on our website: <http://www.mossgate.lancs.sch.uk/page/home-reading-homework/26819>

Spellings are handed out every **Thursday** and tested weekly on the following **Thursday**.

Key Vocabulary		Key Knowledge	
Sun	A huge star that Earth and the other planets in our solar system orbit around.	Mercury, Venus, Earth and Mars are rocky planets . They are mostly made up of metal and rock. Jupiter, Saturn, Uranus and Neptune are mostly made up of gases (helium and hydrogen) although they do have cores made up of rock and metal.	
star	A giant ball of gas held together by its own gravity.	<p>Our Solar System (not to scale)</p>	
moon	A natural satellite which orbits Earth or other planets .		
planet	A large object, round or nearly round, that orbits a star .		
sphere	A round 3D shape in the shape of a ball.		
spherical bodies	Astronomical objects shapes like spheres .		
satellite	Any object or body in space that orbits something else, for example: the Moon is a satellite of Earth.		
<p>Pluto used to be considered a planet but was reclassified as a dwarf planet in 2006.</p>		<p>The Moon orbits Earth in an oval-shaped path while spinning on its axis. At various times in a month, the Moon appears to be different shapes. This is because as the Moon rotates round Earth, the Sun lights up different parts of it.</p>	