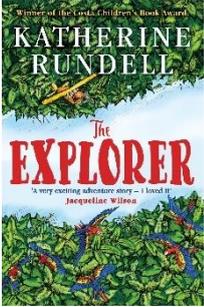
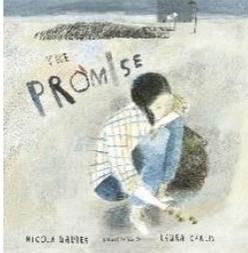
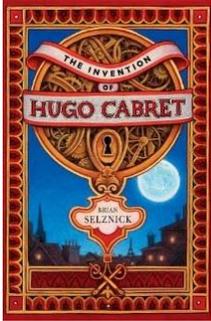
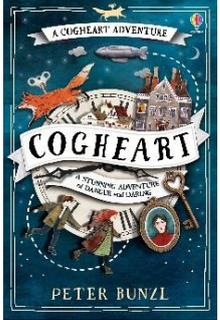


Our topics this half-term are called **How can I save planet Earth?** and **How can I make it move?** with D&T leading and links also to Geography and Science learning that is continued from the previous term. During the later part of the half term, Science will lead, with PSHEC and RE as stand alone subjects.

<p>Our <b>class novel</b> is:</p> 	<p>In <b>English</b> we will be reading:</p>  	<p>In <b>Guided Reading</b> we will be reading:</p> 
---	--	---



As **writers**, we will be focussing on using the skills of writing sentences with relative clauses, using adverbials to show time, place, and manner, using expanded noun phrases and using parenthesis in our sentences. We will apply these skills to a range of text types – information texts, a discussion text about deforestation, a persuasive letter about plastic and a narrative description.

As **readers**, we will continue to use **Dark Decoder** explore the meanings of new words linked to the topic. We will also focus on using **Rocket Retriever** to scan the text to locate information and using **Summarise and Sequence Shadow** to summarise non-fiction texts in order to use ideas in our writing. We will continue to read fiction texts set in the Amazon rainforest and will focus on using **Crimson Clue Hunter** to infer characters' feelings and thoughts and give our opinions using Point, Evidence and Explanation. We will continue to read **The Explorer by Katherine Rundell** as our novel this half term.



As **mathematicians**, we will be learning about irregular and regular shapes in geometry, as well as expanding our knowledge of nets. We will also be looking at volume and measurement, and using our knowledge of all four operations to solve measurement problems. We will also extend our knowledge of statistics by looking at data to calculate the mode, median and mode. We will continue to work on strategies for all four operations by using bar models to solve different types of reasoning problems. We will also build on our knowledge of place value by exploring numbers up to 1,000,000, interpreting negative numbers in context and looking at Roman Numerals.



As **scientists**, we will be learning about the forces of gravity, friction, air resistance and water resistance. We will learn about how forces act on objects and how they can slow objects' movements down. We will be working scientifically by planning and carrying out tests linked to the forces above to support our learning of how these forces work.



**Key Vocabulary:** gravity, friction, air resistance, water resistance, forces, weight, mass, surface, accelerate, decelerate, effect, gears, pulley, lever, buoyancy



As **designers**, we will plan, using annotated sketches, to make a wooden small-scale model of a bird box. We will choose the tools and materials and learn cutting and attaching skills to make the model and evaluate our work throughout the process as well as for the end product.

**Key Vocabulary:** Frame structure, stiffen, strengthen, reinforce, triangulation, stability, shape, join, temporary, permanent

As **educated citizens**, through our continued work on Health and Relationships, we will be continuing our learning about puberty and how babies are made and born. We will also be learning about money and work. We will also be learning about our Mossgate value of **responsibility** which links to our values of honesty and respect. As you would expect, children are encouraged to be responsible when changing books, going to the toilets and on the playground.



As **geographers**, we will research the human features of the Amazon such as how land is used, extractive industries and transport links and compare the region to other places that we have studied in the world.

As **sports people**, we will continue to learn to swim breaststroke, front crawl and back crawl effectively. We will also learn how to perform self-rescue in different water-based situations. Please remember, swimming kits will be needed every Friday and children will need to come to school in their P.E. kits on a Friday too. We will also be learning the key skills of 'Tri Golf' this half term and apply the skills that we learn to a game. The children will also need their P.E. kits on a Tuesday for this session.



As **linguists**, the children will apply previous knowledge of topic areas such as clothes and the body, developing their vocabulary at the same time. We will learn to describe their own appearance and will use adjectives and conjunctions to extend this. We will continue to develop our understanding of some key grammatical features of French, including as the position and agreement of adjectives. Children will develop their conversational skills, learning to talk about emotions and health.

### Homework:

- **Reading targets** are checked every **Thursday**. 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 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	
<b>forces</b>	Pushes or pulls.
<b>gravity</b>	A pulling <b>force</b> exerted by the Earth (or anything else which has <b>mass</b> ).
<b>Earth's gravitational pull</b>	The pull that Earth exerts on an object, pulling it towards Earth's centre. It is the Earth's <b>gravitational pull</b> which keeps us on the ground.
<b>weight</b>	The measure of the <b>force</b> of <b>gravity</b> on an object.
<b>mass</b>	A measure of how much matter (or 'stuff') is inside an object.

