

*As mathematicians we will be...* working on our second multiplication and division unit, which will focus on multiplying and dividing up to 4-digit numbers using the formal written methods for long multiplication and division, first discretely and then in the context of problem solving. We will then move on to our second unit on fractions, multiplying fractions by whole numbers before calculating fractions of amounts.

*As scientists we will focus on...* global warming, linking to last term's Earth and Space topic. Then, we will learn about various properties of materials. We will test materials for magnetism, transparency, hardness and electrical conductivity. We will plan, investigate and evaluate an experiment involving insulating heat. Then we will look at three common materials, plastic, wood and metal, and link the uses of these materials to their properties.

*As health and well-being experts we will be...* continuing to promote physical and mental health. We will exercise every day by completing the daily mile, swimming or participating in PE, where we will be developing our gymnastics skills through the use of hand apparatus such as balls, ribbons and beanbags and low apparatus such as benches or tables. In PSHE we will complete our unit on the skills of teamwork before learning about the impact of positive thinking, including using different strategies and behaviours to support our mental health and well-being.

*As Geographers we will be...* attempting to answer the question "Would you prefer to live in a hot place or a cold place?" We will be learning the countries of South America, before focusing on the Atacama Desert. We will then compare this to Antarctica, thinking about the difference in climate and biomes as well as comparing types of settlements (if any) of each place. Finally, we will use an eight-point compass to plan a fieldwork expedition around our school.

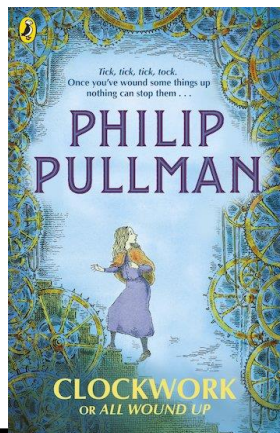
*As information technologists we will...* continue to use Purple Mash to develop our understanding of coding before applying our understanding to create an online game. We will be planning, designing and creating a 'quest' style computer game for our peers.

**Year 5**

**Maples**

**Spring 1**

**Would you  
prefer to live in  
a hot or cold  
place?**



*As artists and design technologists we will be...* drawing, completing a series of lessons under the umbrella term 'I Need Space'. This involves exploring the purpose and impact of images from the 'Space race' era of the 1950s and 60s; developing independence and decision-making using open-ended and experimental processes; combining drawing and collagraph printmaking to create a futuristic image.

*As writers and communicators, we will be...* reading the modern fairy tale 'Clockwork' by Philip Pullman as well as studying the short film 'Alma'. We will write a persuasive tourism leaflet about the fictional town of Glockenheim, a suspenseful sequel to 'Alma' and a news bulletin. We will continue to practise our VIPERS comprehension skills linked to the text.

In spelling, grammar and punctuation, we will learn some spelling rules for silent letters and words ending in '-fer' as well as leaning more of the Year 5/6 word list. We will be developing our understanding of subordinating conjunctions and dependent clauses as well as consolidating our use of apostrophes for possession. We will also be using adverbials of time and place as well as tense choices to create tension and suspense. We will also begin to use punctuation for parenthesis.

We will be continuing our study of the French language by discussing healthy eating and going to market (in French, of course!)

*As musicians we will be...* exploring key and time signatures – looking at how music improves our world. Celebrating a wide range of musical styles, we will be listening, singing, playing composing and performing.

*As ethically minded citizens we will be...* identifying what values are shown in codes for living. We will identify values in human life, and think about our own values, with special reference to the values of Christians, Humanists, Jews and Muslims. The focus is on the way in which stories and texts communicate values.

#### KEY DATES (Spring 1)

Monday 8<sup>th</sup> January – Return to school

Friday 9<sup>th</sup> February – Close for Half Term

**KS2 Celebration Assemblies – Friday 19<sup>th</sup> Jan & 2<sup>nd</sup> February**

Please keep an eye on the newsletter for the most up to date diary dates.