

Year 5 Spring Term



As readers, we will focus on novels where hidden treasures and hidden worlds are taking their characters on journeys of discovery and enlightenment.



As writers, we will create a range of texts in response to our focus novels. We will analyse how these writers create plot, character and suspense and magpie their literary and stylistic devices to improve our own writing. We will write in role as characters of Francesca Gibbons's fantastic debut novel *A Clock of Stars*. We will let *Secrets of a Sun King* draw us into the world of archaeologists and explorers and write in role as a young explorer on the brink of discovery. We will follow our character's fascination with Tutankhamun and present our findings in an information booklet about the famous boy king. We have started to use the Year 5 grammar objectives in our writing already and will now build on our skills and consolidate them to expand our sentence structures and range of punctuation. We have revised all spelling rules from Year 3 and 4 and are now exploring the spelling patterns of the Year 5/6 lists to give us confidence when using our ever-expanding vocabulary in our written work. We will continue to build our vocabulary across the curriculum and refine our oracy skills to express our ideas and present our thoughts with increasing precision orally as well as on paper and other media.

As mathematicians, we will calculate area and perimeter of irregular and compound shapes. We will continue our work on multiplication and division and build up to multiplying 4-digit numbers by 2-digit numbers and dividing 4-digit numbers by a single-digit number with remainders. We will dive into fractions, finding equivalence between fractions, exploring proper, improper fractions and mixed numbers and add and subtract these. We will learn to multiply fractions and mixed numbers by an integer. We will continue to practice our arithmetic skills and consolidate column addition and subtraction as well as improve our instant recall of all times tables to 12x12 as well as prime, square and cube numbers to 100.

As scientists, we will learn about our place in the solar system and our galaxy. We will observe, record and understand the phases of the moon and look at how the heliocentric model of our solar system was developed by Nicolaus Copernicus and refined by thinkers such as Galileo Galilei. We will explore Isaac Newton's laws of motion and observe friction, water and air resistance. We will use this knowledge to explore simple machines such as levers, inclined planes, wheels and pulleys and reflect on their use by the Ancient Egyptians.

As geographers, we will learn about time zones, the Greenwich meridian and the International Date Line. We will discuss lines of latitude and longitude, the tropics of Cancer and Capricorn and the Arctic and Antarctic circles to locate countries, understand how different countries experience the seasons and ask how the geography of a place shapes the lives of the people who inhabit it.

As historians, we will dive into the world of the Ancient Egyptians and discover how they developed their civilisation using the natural resources of the Nile valley to their advantage. We will follow the characters in *Secrets of a Sun King* to the time of Howard Carter's exploration of Tutankhamun's tomb, look at recent archaeological discoveries and learn about the belief system of the Ancient Egyptians.

As artists, we will explore textiles and different ways to manipulate them.

As musicians, we will explore the associations between music, sounds and colour, building up to composing and, as a class, performing their own musical composition to represent Holi, the Hindu festival of colour, which celebrates the beginning of spring and the triumph of good over evil. Based on the theme of Ancient Egypt, we will learn to identify the pitch and rhythm of written notes and then experiment with notating our compositions in different ways to help develop their understanding of staff notation.

As athletes, we will continue with our Weekly Mile to improve our general fitness and improve our swimming skills in lessons at Pools at the Park.

As members of our community, we will think about what we can do further to protect the environment. We will reflect on how compassion with others allows us to make a difference and think about how our values can guide us in our dreams and goals for our future and reflect on all the opportunities we intend to seize as we grow up.

As computer scientists, we will develop our coding skills, using micro:bits as hardware that we will programme for different purposes to help us with our daily classroom routines. We will look at how data is used and analysed and create a flat-file database.

Enrichment

We will be taking part in a remote workshop with the Royal Observatory to deepen our knowledge about the Earth in space.

School Values

As Attenborough Class, we will continue to help David Attenborough in his endeavour to educate the public about the importance of our environment. We will distribute our Richmond Park information flyers in the community and reflect on our consumption of single-use plastic in school and at home.

