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 develop our own writing. We will write in role as a character of Francesca Gibbon's fantastic debut novel *A Clock of Stars*, retelling the story from a different point of view. After half term, 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 text about the famous boy king. We are using the Year 5 grammar objectives in our writing and are building on our skills and consolidating 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 be learning about negative numbers, using the context of weather. We will work on multiplication and division and build up to multiplying 4-digit numbers by 1-digit numbers and dividing 4-digit numbers by a single-digit number with remainders. We will then be applying our learning on decimals to calculate with decimal fractions. Following on from this, we will be learning about factors, prime numbers and multiples. We will continue to practise 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, learn how the earth orbits the sun and the moon orbits the earth. We will examine the planets in our solar system. We will look at how our understanding of space developed over centuries and how the heliocentric model of our solar system was first developed by Nicolaus Copernicus and refined by thinkers such as Galileo Galilei. After half term, we will then 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,. We will then learn 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 dive into fashion design and design an outfit for one of the characters in *A Clock of Stars*. We will make our own cardboard mannequin to display our couture designs which we will make out of paper that we have painted to create our own material.

As designers, we will design and build an alarmed model car, combining our knowledge of electrical circuits and our coding skills with our developing skills in making functioning cardboard models of real-life objects.

As musicians, we will look at standard and non-standard musical notation, including staff notation and letter notation, and use Egyptian hieroglyphics as our starting point to reflect on different musical notation systems.

As athletes (P.E.), we will look at how we can use a range of specific netball skills. We will begin to play efficiently in different positions on the court in both attack and defence. We shall also work to improve the power and strength of our passes. After half term, we will be learning the skills of hockey, including dribbling and push passes.

As members of our community (P.S.H.E.), 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 (Computing), we will develop our programming skills, learning how to use selection in our code. We will use our micro:bits as hardware that we will programme for different purposes to help us understand how computers work. We will look at how data is used and analysed and create a flat-file database. We are also developing our touch-typing skills.

As theologians (R.E.), we shall be exploring what it means to be a Muslim in Britain today. This learning will have a particular focus on The Five Pillars of Islam. After half term, we shall explore whether people can live by the values of Jesus in the twenty-first century.

Enrichment

We will visit the Richmond Synagogue to review and consolidate our learning from the Autumn term about Judaism.

School Values

Aspiration: We place no ceiling on what we can achieve and we challenge each other to be the best we can be.