

New Rush Hall School - Year 9: Autumn 1.1

English	Maths	Science
<p>In English this half term pupils will be studying fantasy writing. This unit will focus on developing pupils' writing skills. In order to achieve this, pupils will complete a variety of tasks such as learning the key fantasy features and other world settings, and applying it in their writing. Pupils will conclude the unit by writing a creative story, implementing the skills they have developed throughout the unit. They will be reading fictional extracts such as The Hobbit and Harry Potter. The reading sessions will focus on inference and clarifying.</p>	<p>In Maths this half term pupils begin exploring indices by using a combination of powers, roots, fractions and brackets to include negative and zero indices. Pupils will then move on to writing very large and small numbers in standard form. They will use their Algebra skills to solve linear equations to include fractions and unknowns on both sides. Pupils will apply mathematical knowledge to substitute into formulae and then to rearrange formulae by changing the subject. Finally, pupils will look at factorising Algebraic expressions as well as expanding brackets.</p>	<p>In Science this half term learning will compliment ideas about subcellular organisation and the relationship between cell, nucleus, chromosomes, DNA and genes. Pupils will identify the nucleus as the subcellular structure that controls the activities of the cell and which contains the genetic information. As shown by random cell division and gene regulation, pupils will learn about characteristics that are inherited from biological parents. Heredity will be explored, as the process by which genetic information is transmitted from one generation to the next. Pupils will confidently categorise different characteristics into three groups; inherited (genetic), environmental and a combination of both.</p>
PSHE	Art	PE
<p>In PSHE this half term, learning will focus on peer influence, substance use and gangs. Pupils will recap and build on previous learning about the qualities of healthy and unhealthy relationships, now applying this to social groups. Pupils will learn to assess risk and manage influences and will identify the dangers of 'group think' and how it affects behaviour. Pupils will be able to recognise passive, aggressive and assertive behaviour and how to communicate assertively. Additionally, pupils will learn about gang exploitation and the legal and physical risks of carrying a knife. Furthermore, pupils will discuss substance misuse and learn about the legal and health risks of drug and alcohol use.</p>	<p>In Art this half term pupils will explore with work of Esther Mahlangu a South African artist from the Ndebele tribe. Pupils will learn how to Batik which is a method of drawing on fabric with wax and then dyeing the fabric. They will use this process to create patterns and images related to the work of Mahlangu. Pupils will also be given the chance to enter into a Black History Month portrait competition where they can create portraits of people that inspire them.</p>	<p>In PE this half term pupils will take part in Gymnastics lessons. Pupils will begin with fundamental core floor skills so that they can perform skills correctly and safely. This will be taught as isolated practices to begin with and then be slowly moved into combining skills together to create a routine that can be judged or assessed. Pupils will explore core skills individually and in combination. They will focus on developing stability when holding their own body position and when supporting a partner, identifying the main aspects of a good performance and working with others in the group to discuss how performance could be improved.</p>
Geography	History	Spanish
<p>In Geography this half term the pupils will study the topic 'What Are The Challenges And Opportunities Facing Africa?' They will explore the physical and human geography of Africa and consider the importance of natural resources of Africa. Pupils will identify the effects of European colonialism and consider how those effects have shaped Africa's present. They will examine the differences in levels of development across African countries and consider different points of view about development in African countries. Finally, pupils will identify the pattern of climate zones and biomes across Africa.</p>	<p>In History this half term pupils will be studying 'The Great War'. Pupils will begin by exploring and judging Britain's place in the world at the beginning of the twentieth century. This knowledge will then be used to identify short and long-term causes of the Great War. Following this, pupils will describe the typical experiences of a soldier in the trenches. Finally, pupils will evaluate what finally won the vote for women.</p>	<p>In Spanish this half term pupils will re-cap all work done during the two previous years. Pupils will focus on the formation and use of the present tense of regular and some important irregular verbs such as 'tener, ser, estar and ir'. Following this, pupils will check adjectives and nouns endings. Pupils will then use opinions and 'si', 'cuando', 'más', 'menos' and 'que' constructions for longer sentences. Finally, pupils will sing and translate a traditional Mexican song for the 'Día de los Muertos'.</p>
Computer Science	Enrichment	
<p>In Computer Science this half term pupils will continue programming work and use further programming techniques in Python to identify the differences between, and appropriately use if, then and else statements and have practical experience of a high-level textual language. Following this, pupils will design, write and debug modular programs using functions. Finally, pupils will select appropriate variables and relational operators within a loop to govern termination and establish the difference between a while loop and a for loop.</p>	<p>As part of the Enrichment Programme, pupils will be given the opportunity to experience:</p> <p>Rowing: In this half term, as part of the school's Rowing Programme pupils will return to the Royal Docks Rowing Centre whereby they will work with an experienced team of Rowers to improve their understanding of what is required to successfully row in open water. This would include learning about co-ordination and rhythm on different types of boats.</p> <p>Swimming: In this half term pupils will be taught based on their swimming ability. More experienced swimmers will work on developing their Front Crawl, Head Surface Dives, Backstroke, Pre-diving skills and Butterfly. Lessons will take place in 25 x 12.5-meter pool. Less experienced swimmers will swim in a smaller 12.5 x 5 meters pool and learn to develop their skills focusing on their Front Crawl, Front Crawl Breathing, Backstroke and Breaststroke.</p>	