New Rush Hall School - Year 9: Autumn 1.2

English	Maths	Science
In English this half term pupils will be studying the Malorie Blackman novel, 'Noughts and Crosses'. The unit will aim to develop pupils' understanding of a range of social issues such as discrimination and the class system. Pupils will analyse the writer's choice of words and interpret the text. Pupils will conclude the unit by writing an article on the importance of educating people on racism. Pupils will read Noughts and Crosses and a range of case studies in order to understand the concept of segregation. The reading sessions will focus on retrieval, predicting and summarising.	In Maths this half term pupils will test a hypothesis, make decisions about how best to record and analyse information from large data sets, this will include designing data collection sheets and questionnaires. Pupils will then describe, interpret and compare observed distributions of discrete and continuous data. They will then represent this data graphically and/or construct and interpret tables and charts, including bar charts, pie charts, vertical line graphs and scatter graphs. Pupils will then transform shapes by enlarging 2D shapes about the centre and by using a positive scale factor. Finally, pupils will solve best buy problems including percentage change and compound measures.	In Science this half term learning will encompass the relationships and interdependency that all organisms have with each other. Food Chains and Food Webs will be examined and conclusions made about energy distribution through organisms. The effect of competition for food between living organisms will be researched. As a result, pupils will develop their understanding of resources for survival in a variety of habitats. After successfully drawing a variety of Food Chains and Webs pupils will begin to appreciate the significance of bioaccumulation. Additionally, scientific vocabulary specific the Food Chain will be introduced to pupils and they will be expected to use these confidently to describe ecosystems.

PSHE	Art	PE
In PSHE, this half-term learning will focus on developing pupils understanding of Sikhs. Pupils will revisit previous learning about the Supreme Truth. Following this, pupils will discuss their own experience and understanding of Sikhism. Pupils will then explore Sikh values and make links to the values of NRHS and the British Values. Pupils will learn about key elements of the Sikh faith, such as Diwali. Pupils will experience sensory elements of Sikism by learning about the Golden Temple via a virtual tour. Pupils will also visit a local Gurdwara to bring their learning to life.	In Art this half term pupils will study 'Surrealism'. We will explore the works of Salvador Dali and Rene Magritte in detail and learn how one of the most important and influential movements came about. Following this, pupils will learn how to use 1-point and 2-point perspective in order to be able to draw a room or a street scene. Finally, using the skills they have learnt pupils will create their own version of Magrittes piece 'Personal Values' or an image based on a dream of their own.	In PE this half term pupils will develop their Handball skills. Pupils will learn the basic rules and tactics, initial development of passing, shooting, footwork and positions. There will be a gradual build-up of rules within the game situations. Moving on, there will be more of a focus on tactics. The basic skills are revisited and defending is looked at with regards to marking opponents. Overall movement and spacing in game situations are looked at in more depth throughout the unit, with an emphasis on game play, development of positions, defending and attacking.

Geography	History	Spanish
In Geography this half term pupils will continue their topic on Africa. They will identify the causes and consequences of desertification in the Sahel, along with possible solutions. They will examine the population distribution of Africa and identify the reasons for population change. Pupils will also consider the challenges and opportunities presented by these changes examining the scale of urbanisation in Africa and investigate the challenges and opportunities of life in a growing city. Finally, pupils will investigate the trading links between African countries and China, considering different viewpoints to identify reasons for this trade.	In History this half term pupils will continue studying 'The Great War'. Pupils will begin by exploring and explaining what kind of weapons were used in WW1 and why these weapons were so deadly. Pupils will use this knowledge to describe the impact of 'shell shock'. Following this, pupils will judge the contribution of soldiers from the British Empire that fought for Britain. Finally, pupils will describe how the Great War affected everyday life in Britain and why the 11 November is remembered today.	In Spanish this half term pupils will begin by exploring and using 'the near future' structure. This knowledge will then be used to complete some translations from English-Spanish and Spanish-English about their 'plans for the weekend' using cognates and dictionary to find synonyms. Following this, pupils will listen to several opinions and they will have to note down whether each refers to the countryside or the city. Finally, pupils will explore different Spanish Christmas traditions and celebrations.

Computer Science	Enrichment
In Computer Science this half term pupils will use a range of operators and expressions e.g., Boolean, and apply them in the context of program control. Following this, pupils will understand and apply parameter passing and use two-dimensional data structures. Finally, pupils will test solutions thoroughly to determine the effectiveness of the solution and appreciate the effect of the scope of a variable. This unit of work fits into the 'Computational Thinking' and 'Programming' strands of the Computer Science Curriculum.	As part of the Enrichment Programme, pupils will be given the opportunity to experience: **Rowing:** In this half term in Rowing pupils will be building on the Rowing skills previously learned, pupils will develop more holistic skills such as problem solving, leadership, resilience, and teamwork. This will see pupils progress through a range of challenges in the in-door gym and training pool before being set free on the open water to put into practice all they have learned. **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.