

# New Rush Hall School - Year 11: Autumn 1.1

English	Maths	Science
<p>In English this half term pupils will be participating in the speaking and listening unit. This will require all pupils to participate in group debates as well as presenting a topic of their choice. Pupils will be required to research a topic of their choice, extract key points, and compare and contrast the information collected in order to create a presentation. The unit will conclude with pupils presenting their topic and participating in a group debate regarding a social issue. Pupils will read a range of relevant texts, with the emphasis being on retrieval, summarising and clarifying.</p>	<p>In Maths this half term pupils will study number properties by using 4 operations and directed numbers to solve worded problems and be confident with reciprocals, understanding that <math>x</math> by 0.2 is the same as divide by 5 and equivalent. Following this, pupils will learn how to derive the formula for finding the sum of interior angles of any polygon is <math>180(n-2)</math>, where <math>n</math> represents the number of sides. Finally, pupils will write and calculate using numbers in standard form with no calculator, using the rule for indices.</p>	<p>In Science this half term pupils will learn that cells in the body can only survive within narrow physical and chemical limits. These control systems include receptors which sense changes and effectors that bring about changes including the structure and function of the nervous system will be taught. Hormonal coordination is particularly important in reproduction since it controls the menstrual cycle. The keyword for these control systems is Homeostasis. Finally, pupils will learn that variation generated by mutations and sexual reproduction is the basis for natural selection; this is how species evolve.</p>
PSHE	Art	PE
<p>In PSHE this half term, learning will focus on stress management and future opportunities. Pupils will build on their skills of self-efficacy and learn how to maintain a healthy self-concept. Pupils will also explore how to balance ambition and unrealistic expectations. Furthermore, pupils will assess the nature and effects of stress such as exam related anxiety, exploring stress management strategies, developing skills of resilience and the understanding of healthy sleep habits. Pupils will build on previous learning around how to manage the judgements of others and challenge stereotyping. Additionally, pupils will learn positive and safe ways to create content online and the opportunities this offers.</p>	<p>In Art this half term pupils will continue to work on their GCSE Art coursework in their portfolio. Pupils will complete any unfinished work in order to help them to improve their grades by filling any gaps of missing work. There will be a focus on Annotation and observational drawing in an attempt to improve the AO3 grade. Following this, pupils will evaluate and complete any final outcomes to improve their AO4 work. Finally, pupils will begin a series of mini project experiments with different mediums, this will improve the AO2 experimentation element of the GCSE.</p>	<p>In PE this half term pupils will take part in Gymnastics lessons. Pupils will begin with fundamental core floor 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. In this unit 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. Pupils will perform most gymnastic movements with control and will attempt to link elements together.</p>
Geography	Food Technology	History
<p>In Geography this half term pupils will be studying the UK's evolving human landscape - an overview of the changing and varied human landscape of the UK, including the socio-economic and political processes that influence it. Our case study of a major UK city will be London. Pupils will look at social economic and political aspects of London and how the city became a globally recognised city. Pupils will also examine the challenges the city faces. In addition we will look at Bristol, a dynamic city in the UK, and how the city has changed over time along with what factors have influenced the changes.</p>	<p>In Food Technology this half term pupils will explore different specialist equipment used in the kitchen and how to use them safely. Following this, pupils will look at different cooking methods of preparing foods and the correct equipment that should be use. Pupils will be aware of ingredients that can be used to marinade and flavour foods. Finally, pupils will explore the ways in which they can test for readiness. As pupils look at these areas, they will also make a mixture of products from a range of products including Stir-fry, Spaghetti Bolognese, Flat Bread and Chicken.</p>	<p>In History this half term pupils will be studying 'Britain: Health and the people: c1000 to the Present Day'. Pupils will begin by exploring the medical options for a poor or rich person in the Medieval period. Following this, pupils will assess the contribution of Medieval Islamic medicine to medical progress. They will then describe the public health conditions in Medieval towns. After this, pupils will explain the impact of the Renaissance on medicine and describe traditional and new methods of treating disease in the seventeenth and eighteenth centuries. Finally, pupils will explain how Edward Jenner made his discovery about smallpox vaccine and the opposition he faced.</p>
Business Studies	Music	Construction
<p>In Business Studies this half term we will be covering Unit 2, Topic 8, 'Making Operational and Financial Decisions.' Pupils will begin by exploring the different types of production (job, batch and flow) before analysing the impact productions processes have in productivity and costs. Following this, pupils will evaluate the importance of stock control, interpret bar gate stick graphs and discuss the concept of JIT stock production. Finally, pupils will calculate gross profit margin, net profit margin and annual rate of return before explaining the use and limitations of financial information in relation to business performance and decision making.</p>	<p>In Music this half term pupils will continue to explore Unit 2. Pupils will focus on composing their music product. They will need to engage in song writing, production or composing sessions either as a solo artist or within a group, a sound knowledge of digital music software such as garage band or experience within their own specialism such as rap, singing or instrumentation. Finally, pupils will work through more of Unit 1 – Music Industry, pupils will be considering health and safety concerns in different venues and will look at case studies.</p>	<p>In Construction this half term we will be beginning two Units, Unit A2 'Developing a Personal Progression Plan' and Unit 7 'Making Carpentry Joints'. In the first unit pupils will begin by researching and discussing the progression opportunities that may be available to them, and completing a skills audit. Alongside this, pupils will begin to explore the basic skills involved in carpentry, exploring the different types of tools and equipment used to shape and cut timber. Pupils will experiment with tools and equipment and will observe and use a setting out rod when practicing making simple joints.</p>
Enrichment		
<p>As part of the Enrichment Programme, pupils will be given the opportunity to experience:</p> <p><b>Diverse Voices:</b> In this half term pupils will continue to take part in our Performing Art programme. The sessions will be focused on exploring the dramatic technique of improvisation, and utilising this skill to explore different characters. The Leaders will nurture and develop a positive group dynamic by encouraging team work and co-operation which are both crucial to improvisation. The sessions will work on strengthening pupil's capacity to manage emotional risks, through embracing spontaneity in a healthy environment. Pupils will expand and challenge their current improvisation and characterisation skills, building the pupils confidence both socially and in performing.</p> <p><b>Lambourne End:</b> In this half term, which will be last half term that pupils will be going to Lambourne End, pupils will be taking part in the activities that they have enjoyed the most and really challenged them personally. They will be challenging themselves across the Low Ropes Course again and climbing the 30-foot Climbing Wall as quick as they can. Following this, pupils will be using their teambuilding skills across the different obstacles that soon they will be putting into practice when they leave school. Finally, pupils will get a chance again to zip wire along a 300 feet cable one last time.</p>		

**Preparing for Working Life:** In this half term pupils will be preparing for work and life in a short program aimed at better preparing pupils for life after they have left school. The course begins by looking at what to expect from Post-16 education/employment and what support is available. Following this, pupils will look at ways to travel both locally and abroad. They begin studying towards their Driver Theory Test and are given the opportunity to apply for their Provisional Driving Licence. Finally, pupils will gain an understanding of banking, credit and debt in the real world and look into benefits available to them once they leave school.

**Rowing:** In this half-term as part of the schools rowing programme pupils will return to the Royal Docks rowing centre where-by they 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. 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.

**Fairlop Waters:** In this half term pupils will be going to Fairlop Waters to take part in a variety of water-based activities. Pupils will be learning how to sail, they will be setting off, balancing, sail setting and steering the boat in pairs with good communication needed. Following this, pupils will be working on their balance and strength in learning how to paddleboard. Finally, pupils will be learning how to paddle both in Kayaks and Canoes engaging in core, chest, back and arm muscles. These opportunities will give the pupils knowledge about water safety, develop teambuilding skills and encourage social interactions and bonding with their peers.

**Activities in the Community/Charity:** In this half term pupils will be helping in the Local Community through volunteering with different Charity-based programmes. Volunteering offers pupils the opportunity to apply their classroom learning to practical scenarios that have real-life implications. Pupils will be asked to pick a local Charity to work with and plan a series of visits. These activities may include going along to a Care Home for the elderly, Community Grocery Store, Food Bank, Re-use Centre or a Church Coffee Shop. Pupils gain real-life experience and practice important habits like leadership, problem-solving, and time management.