

# Year 11: Spring 2.1

English	Maths	Science
<p>In English this half term pupils will study a wide range of techniques which will enable them to develop their writing skills. The unit will focus on teaching pupils how to communicate in a clear and effective way, by understanding the purpose of each paragraph and sentence form. To conclude the unit, pupils will attempt to produce an engaging article about a topic of their choice. They will be required to apply the technique they have learnt throughout the term. Pupils will read fantasy stories with the focus being on summarising and inference.</p>	<p>In Maths this half term pupils will rearrange algebraic formulas, changing the subject, now to include powers and roots. Pupils will explore the use of input and output machines, including two stage operations and fractions. Following this, pupils will transform and describe rotations, reflections, enlargements and translations across both a positive and negative x and y-axis. Finally, pupils calculate missing probabilities by subtracting known probabilities from 1. Pupils will carry out experiments and record results, understanding what the results show.</p>	<p>In Science this half term 'Wave Behaviour' in both natural and man-made systems will be taught. Understanding that waves carry energy from one place to another but can also carry information will be analysed. Furthermore, pupils will be taught that designing comfortable and safe structures such as bridges, houses and music performance halls require an understanding of mechanical waves. Modern technologies such as imaging and communication systems will show pupils how we can make the most of electromagnetic waves. Pupils will be required to research the electromagnetic effects of a variety of devices and how this can be advantageous for systems that involve control or communications.</p>
PSHE	Art	PE
<p>In PSHE this half term, learning will focus on personal values, assertive communication, relationship challenges and abuse. Pupils will build on previous learning, identifying their core values and discussing how these support and/or challenge healthy relationships in their lives. They will also continue to develop skills of assertive communication and how to negotiate relationship conflicts safely and effectively. Furthermore, pupils will identify forms of relationship abuse and will learn how to access support in abusive relationships. They will also learn how to manage unwanted attention, including online. Additionally, pupils will learn about gender identity, gender expression and sexual orientation.</p>	<p>In Art this half term pupils will be given the exam topic which will form 40% of the final grade. Pupils will be given a choice of seven different thematic enquiries from which they will chose one to explore and develop further. Following this, there will be a trip to the Tate Modern Gallery to help inspire the pupils for their Artist Research. Pupils will focus on gathering source material, research, drawings and photographs to inform the rest of the project. If this is done correctly it will put them in a strong position for their exam.</p>	<p>In PE this half term pupils will develop their Football skills. Pupils will learn how to beat an opposition player 1v1. This is a vital skill in Football and is used all over the pitch. It can get players out of trouble in all positions, whilst also creating goal scoring opportunities going forward. Pupils will then learn the different shapes that can be adopted when attacking. These include utilising wing players and playing into, and off, a striker. Pupils will learn how to make a pitch bigger by stretching the play and making it hard to defend against. Opposite to this, pupils will learn how to become more compact as a team to nullify opposition. These will help pupils to know their role in the team to achieve common goals.</p>
Geography	Food Technology	History
<p>In Geography this half term pupils will study 'People and the Biosphere'. An overview of the global distribution and characteristics of large-scale ecosystems and discovering why the biosphere is important in order to obtain resources and what will happen to the biosphere if we don't take action to protect it. Pupils will study 'Forests Under Threat', a detailed study of tropical rainforests and the taiga. They will look at processes and interactions and issues related to their biodiversity and to their sustainable use and management with a focus on consuming energy resources. Finally, pupils will study 'Renewable and Non-renewable energy', its supply and demand, its sustainable use and management, thinking about the impact this will have locally and globally.</p>	<p>In Food Technology this half term pupils will be focusing on NEA-Food investigation task. Pupils will research and investigate the chemical and functional properties of a food from one of the two given tasks set for them. Pupils will then start to plan, investigate, analyse and evaluate. Following this, pupils will write the report of up to 2000 words from the investigation. As pupils look at these areas, they will also make a mixture of products including Vegetarian meals, healthy breakfasts and Pizzas.</p>	<p>In History this half term, pupils will be revising for their GCSE exam. Pupils will cover Unit 1, 'Peacemaking', Unit 2, 'The League of Nations and International Peace' and Unit 3, 'The Origins and Outbreak of the Second World War' from their 'Conflict and Tension 1918-1939' topic. Following this, pupils will revise Unit 1 'Germany and the Growth of Democracy', Unit 2, 'Germany and the Depression' and Unit 3. 'The Experiences of Germans Under the Nazis' from the topic 'Germany 1890-45: Democracy and Dictatorship'.</p>
Music		Construction
<p>In Music this half term pupils will revise previous units and complete any unfinished work. Following this, pupils will begin to revisit Unit 1 'Music Industry'. Pupils will learn about different venues and live spaces, Health and Safety concerns and the different job roles within the industry from creative roles such as musicians and producers, technical roles engineers and tour management and also A&amp;R management and media. Finally, pupils will visit a recording studio to see some of the job roles in action and will be allowed to work with a producer to record a track.</p>		<p>In Construction this half term pupils will continue to work through the previous units, pupils will research different progression routes by looking through websites and magazines. Pupils will also learn about SMART targets and will set a series of goals to achieve. Alongside this, pupils will construct two 'L' shape sections of a frame pupils will develop their skills in one particular joint and will also study Finishing techniques including Painting, Staining and Varnish. Finally, pupils will gain real world experience by either visiting a framing shop or other relevant site visit.</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> <p><b>Preparing for Working Life:</b> 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.</p> <p><b>Rowing:</b> 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.</p>		

**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 time management.