

Year 10: Spring 2.2

English	Maths	Science
<p>In English this half term pupils will be learning how to critically evaluate text as well as study textual references. This will involve using quotes appropriately and linking them to support statements. Pupils will participate in a wide range of debates. They will be required to express their views by supporting the argument with evidence. To conclude the unit, pupils will critically evaluate a biased report. They will be tasked with changing it into a fair report. Pupils will be reading a variety of texts with the focus being on summarising, predicting 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 pupils will explore how plants photosynthesis in order to make food. Plant biology, plant organs and the role of the varying plant tissues will be the main focus. How the plants transport system and its dependence on environmental conditions to ensure that leaf cells are provided with the water and carbon dioxide that they need for photosynthesis will be analysed. They will learn about the two types of respiration and how each type transfers energy to the organism. Pathogens will be investigated to find out why they cause infectious diseases in organisms. The history of the vaccination program and development of antibiotics will be researched.</p>
PSHE	Art	PE
<p>In PSHE this half term, learning will focus on exploring influence. Pupils will build on previous learning, identifying a range of positive and negative role models from both the media and their own lives. Furthermore, pupils will reflect on the media's impact on perceptions of gang culture and they will develop understanding of the impact of drugs and alcohol on individuals, personal safety, families and wider communities. Pupils will identify how to keep themselves and others safe in situations that involve substance use, developing skills to manage peer influence. Additionally, pupils will discuss exit strategies for pressurised or dangerous situations and how to seek help for substance use and addiction.</p>	<p>In Art this half term pupils will continue with the 'Project Theme', they will go on a trip to a gallery to enhance their experiences and knowledge. Pupils will then explore an artist from the trip and produce work related to them. Following this, pupils will experiment and develop their work using influences from their source materials and their arts research. These developments and experiments will form their initial ideas for a final outcome. Finally, pupils will produce a final piece, showing a clear journey and which connects to the work explored in their sketchbook.</p>	<p>In PE this half term pupils will develop their Basketball skills. Basketball is an invasion game identified by the National Curriculum as a sport that can be used to equip the pupils with the skills necessary to learn to be able to overcome opponents in direct competition. This unit looks to build upon the key physical skills such as, agility, balance, co-ordination and use them to learn and develop the key physical and tactical components of the game of Basketball. Pupils will develop a solid understanding of the tactical aspects of invasion games such as attacking and defending and other tactical components of the game. This unit builds upon the transferable skills acquired through other taught sports.</p>
Geography	Food Technology	History
<p>In Geography this half term pupils will begin Unit 2, Topic 4, 'The UK's Evolving Physical Landscape' an overview of the varied physical landscapes in the UK resulting from geology, geomorphic processes and human activity over time. Why distinctive upland and lowland landscapes result from the interaction of physical processes: weathering and climatological, post-glacial river and slope processes. Plus, two in-depth studies of distinctive landscapes, 'Coastal Change and 'Conflict and River Processes and Pressures'. Following this, pupils will study Topic 5 'The UK's Evolving Human Landscape' an overview of the changing and varied human landscape of the UK and how UK and EU Government policies have attempted to reduce them.</p>	<p>In Food Technology this half term pupils will be exploring how cereals, sugars, fruits and vegetables are grown, meat and poultry are reared and fish is caught. Pupils will be identifying primary and secondary processing of wheat and milk. Following this, pupils will be analysing how industrial and domestic food processing methods are done and what negative effects on nutritional value of foods. Finally, pupils will then be considering food security, GM foods and environmental issues. As pupils look at these areas, they will also be making a mixture of products from a range of products including soups, sandwiches and healthy snacks.</p>	<p>In History this half term pupils will be studying 'Conflict and Tension 1918-1939, The Origins and Outbreak of the Second World War'. Pupils will begin by exploring Hitler intentions and explaining the way other countries reacted to his foreign policies and rearmament. Following this, pupils will describe the escalation of tension with the reoccupation of the Rhineland, Anschluss and the Sudeten Crisis. This knowledge will be used to evaluate if the appeasement policy was effective. Finally, pupils will explain the outbreak of war describing the Nazi-Soviet Pact and the invasion of Poland.</p>
Business Studies	Music	Construction
<p>In Business Studies this half term pupils will be studying covering Unit 1, Topic 5 'Understanding External Influences on Businesses'. Pupils will identify a range of stakeholders and exploring how business activity can impact different stakeholder groups. They will then explore how different technologies are used by businesses and the impact of such technologies on sales, costs and the marketing mix, Finally, pupils will explore a range of business legislation and the consequences to business of not meeting the obligations of business legislation.</p>	<p>In Music this half term pupils will continue to work on one of their chosen Units. Pupils will complete the second task in the units and will present submissions for assessment. This will be in the form of a recorded track in MP3 format for the composition, sequencing and recording units as well as a presentation explaining the track. For the 'Performing' unit pupils will be performing live to an audience and submitting video evidence as well as a diary/log documenting rehearsal.</p>	<p>In Construction this half term pupils will continue with the two units started previously. In the first unit pupils will discuss how to use their own personal device to help with organisation, tutors will also discuss the importance of filling and folders pupils will organise their work and set up a system with which their written work can be easily referenced. Alongside this, in Bricklaying pupils will be researching tools and equipment looking at hazards and health and safety issues and understanding how to prepare and problem solve in a practical environment.</p>

Enrichment

As part of the Enrichment Programme, pupils will be given the opportunity to experience:

Diverse Voices: In this half term pupils will participate in Performing Arts, sessions will focus on expanding and challenging current acting skills, by exploring mime, movement and other ways of conveying meanings without dialogue. Through exploration of different art forms pupils also develop transferable skills that enhance non-verbal communication, perceptive awareness, self-expression and confidence both socially and in performing. Pupils will take part in a range of activity to build their confidence to perform in front of others.

Lambourne End: In this half term pupils will be on a low ropes course working on their balance and strength trying to say dry over more difficult challenges than previous years. Pupils will then be both climbing and abseiling down a 30-meter wall and trying more harder aspects of the wall. Following that, pupils will be developing their teamwork skills to overcome challenges over different obstacles and finally taking part in an archery session.

Employability and Work Experience: In this half term pupils Employability and Work Experience Programme is aimed at giving pupils a greater understanding of the expectations that will be placed on them in the workplace. The course begins with pupils exploring career options and discussing what employers are looking for in potential hires. Following this, pupils work on the skills that employers want, practice their interview skills and discuss office politics. Finally, once pupils have sufficiently developed these skills, they take part in focused work experience that will leave them with a better understanding of the working world.

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 trying paddle boarding. 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 take part in our Charity Programme, pupils will gain real-life experience and practice important habits like leadership, problem-solving, and time management. Volunteering offers pupils the opportunity to apply their classroom learning to practical scenarios that have real implications. Pupils will work together to pick a Charity of their choice and consider different ways they can give back to the community.

Rowing: In this half term pupils 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 will 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.

Box Up Gym: In this half term pupils will visit a local boxing gym and take part in a specifically designed programme to boost their physical fitness as well as develop their self-discipline and confidence. Physical exercise is believed to allow for the dissipation of energy leading to improvements in anger, stress, mood, anxiety and overall quality of life. Pupils will have access to Box Up Mentors and Trainers who will support them with their personalised fitness plans.