

Year 10: Spring 2.1

English	Maths	Science
<p>In English this half term pupils will complete a range of project-based assignments. This will consist of writing fiction and non-fiction stories. Pupils will begin by analysing both genres in order to establish a clear understanding of the topic. They will then read a range of relevant texts which will require pupils to identify the key features of the genre. To conclude the unit, pupils will write a fictional story of their choosing, using the skills developed throughout the unit. Pupils will read a variety of literature, with the emphasis being on retrieval, inference and predicting.</p>	<p>In Maths this half term pupils will generate a sequence by spotting a pattern or using a term-to-term rule given algebraically or in words. Pupils will know and recognise the following sequences of numbers; triangular, square numbers, cube numbers and the Fibonacci sequence. Following this, pupils will understand what ratio means and be able to reduce a ratio to its lowest form and understand equivalent ratios. Finally, pupils use conventional terms and notations: points, lines, vertices, edges, planes, parallel lines, perpendicular lines, right angles and polygons.</p>	<p>In Science this half term, pupils will study Physics looking at energy changes in a system and the ways energy is stored before and after such changes will be evaluated. Pupils will revisit energy transfers and energy efficiency, problems with fossil fuels and global warming will be critically analysed. They will discuss how to reduce our energy usage. Pupils will also re-cap the basics of electricity and understand how the National Grid is structured to supply the UK population with electricity. Pupils will learn the difference between conductors, semi-conductors and insulators Finally, pupils will build electric circuits.</p>
PSHE	Art	PE
<p>In PSHE this half term, learning will focus on healthy relationships and sexual expectations. Pupils will explore the role of intimacy and pleasure in consensual relationships, and what 'readiness' for sexual intimacy means as well as reasons people might abstain from sex. Pupils will explore assumptions and misconceptions about sex, gender and relationships and will consider the role of pornography and the media in influencing attitudes and behaviour. Additionally, pupils will build on their understanding of consent and the ethical and legal implications of manipulation and coercion. Pupils will learn to recognise and respond to pressure, coercion and exploitation, how to challenge victim blaming narratives and how to report and access appropriate support.</p>	<p>In Art this half term pupils will be given a new topic to explore. Pupils will have a choice of two contrasting titles that will naturally lend themselves to the individuals preferred learning style. They will follow the same format as previous projects but will have a greater sense of their own abilities and comfort zones. Following this, pupils will gather source material from mind maps, mood boards, drawings and photographs. Finally, pupils will produce two pages of artist research that relates to the chosen thematic enquiry, and complete studies of the artist's work.</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 Unit 1.3, Topic 3, 'Challenges of an Urbanising World'. Pupils will study the causes and challenges of rapid urbanisation across the world. Our case study for rapid urbanisation will be Mumbai, India. Some of the key elements for pupils to examine will be:</p> <ul style="list-style-type: none"> • Urbanisation is a result of socio-economic processes and change. • The world is becoming more urbanised, why? • Cities change over time and this is reflected in changing land use. • The location and context of the Mumbai and how its location influences its growth, function and structure. • The megacity Mumbai, India is growing rapidly, why? 	<p>In Food Technology this half term pupils will look at vitamins and minerals with the different types, the main sources and the effect they have on our bodies. Following this, pupils will study what happens if we have a deficiency or excess of vitamins and minerals in our diets. Pupils will also explore the function of water in our diet and acknowledging the different sources of foods that give us water. Finally, pupils will develop ways to modify dishes to promote health by altering or changing ingredients as well as cooking methods. As pupils look at these areas, they will also make a mixture of products from Vegetarian meals, healthy breakfasts and Pizzas.</p>	<p>In History this half term pupils will be studying 'Conflict and Tension 1918-1939' and 'Peacemaking and The League of Nations'. Pupils will begin by exploring the aims of the peacemakers. Pupils will then outline the terms of the Treaty of Versailles and the reaction to it. This knowledge will then be used to assess the impact of the treaty and the wider settlement. Following this, pupils will explain why was the League on Nations created and describe its successes and failures. Finally, pupils will explain why did the League collapse, describing the Manchurian and the Abyssinian crisis.</p>
Business Studies	Music	Construction
<p>In Business Studies this half term pupils will be studying Unit 1, Topic 4, 'Making a Business Effective'. Pupils will begin by investigating the difference between limited and unlimited liability and the different types of business start-ups. Following this, pupils will analyse the most appropriate type of business ownership for a range of business start-ups, before exploring the four elements of the marketing mix and writing a business plan.</p>	<p>In Music this half term pupils will be required to pick two units from the course either Recording, Sequencing, Composing, or Performing. They will be given a brief and scenario and will have to complete tasks in their chosen unit. Finally, pupils will also begin to learn about the music industry and how it is structured.</p>	<p>In Construction this half term pupils will begin the first of two mandatory units involving personal organisation, they will also begin a practical Bricklaying unit. Pupils will learn how to organise and manage their time using real life scenarios focusing on prioritising tasks and planning their time. Alongside this, pupils will be introduced to the equipment and materials needed for the Bricklaying unit. Finally, pupils will observe a professional bricklayer build a wall and will begin learning the process for themselves.</p>
Enrichment		
<p>As part of the Enrichment Programme, pupils will be given the opportunity to experience:</p> <p>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.</p> <p>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.</p> <p>Employability and Work Experience: In this half term our 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.</p>		

Fairlop Waters: Pupils 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.