

# Year 10: Summer 3.2

English	Maths	Science
<p>In English this half term pupils will be developing their writing skills by developing their understanding of key features such as: connotation and denotation. Pupils will complete a range of tasks involving: examining the effects of connotation and understanding semantics fields. They will interpret text and explore the concept of writer's craft. To conclude the unit, pupils will write a short story about a character of their choice. They will read a wide range of texts, varying from Shakespeare's Macbeth to Rich Dad, Poor Dad. The main focus will be on summarising and clarifying.</p>	<p>In Maths this half term pupils will solve equations with variables on both sides and including brackets and be able to solve a quadratic equation graphically. Following this, pupils will recognise that <math>y = 2x</math> and <math>y = 2x + 3</math> are parallel lines and being able to draw <math>y = 2x + 5</math> or <math>y = 2x - 1</math> on the same axes. Finally, pupils will plot quadratic graphs and recognise that they will always result in a parabola.</p>	<p>In Science half term pupils will learn how the structure of atoms was discovered. The nuclear model of the atom will also be introduced to pupils and they will compare the two models. Pupils will discover that radioactivity is about giving out radiation in three possible ways. They will also learn that radioactive samples give out less and less radiation but never stop giving out radiation altogether. Pupils will gain an appreciation that radiation can cause contamination and that minimising the risks are important. Finally, pupils will compare the dangers associated with irradiation and contamination.</p>
PSHE	Art	PE
<p>This term in PSHE, pupils will focus on career development and opportunities in learning and work. Pupils will build on previous learning around responsibilities, developing the knowledge and skills to manage practical problems and health and safety in the workplace. They will explore and evaluate their own strengths and interests, including identifying opportunities and pathways for learning and work. Finally, pupils will develop skills and strategies for overcoming challenges and adversity.</p>	<p>In Art this half term pupils will continue with their mock GCSE project. They will follow the same pattern as they have with previous projects working from source materials and artist research exploring a theme and experimenting with different materials and processes. Following this, pupils will develop ideas for a final outcome, this development will culminate in a mock exam, pupils will complete a five-hour exam where they will complete the outcome for this project under exam conditions. Finally, pupils will evaluate the process and be given time to finish any work.</p>	<p>In PE this half term pupils will further develop their Table Tennis skills building upon skills previously learned. Pupils will build upon their serving skills learning how to create spin. Forehand top spin is then advanced to perform the smash shot and finish off points. The nature of the scheme of learning and the activities contained within it means that the abilities of all pupils, regardless of ability, are met. The scheme is challenging for all pupils and requires all pupils to be motivated to work to the best of their ability in all lessons to ensure that they achieve all that they are capable of.</p>
Geography	Food Technology	History
<p>In this half term pupils will begin Unit 2, Topic 6, 'Geographical Physical Investigations' as part of their preparation for the GCSE exam. Pupils will have an opportunity to take part in a fieldtrip. They will plan and prepare their trip to develop an understanding of the kinds of questions that can be investigated through fieldwork in river environments. Fieldwork data collection must include at least one quantitative fieldwork method to measure changes in river channel characteristics, one qualitative fieldwork method to collect data on factors that might influence flood risk and include a flood risk map e.g., Environmental Agency Flood Risk map plus one other source chosen by the class.</p>	<p>In Food Technology this half term pupils will be looking at how to store food safely, cooking, serving to preventing food poisoning and cross-contamination. Following this, pupils will also be considering the importance of food labelling, date marks and what needs to be on the label by law. Finally, pupils will be studying how heat is transferred through different cooking methods and how that affects the nutritional value of the food. As pupils look at these areas, they will be cooking a range of products including Chicken Nuggets, Fish Fingers, Pasta dishes and Profiteroles.</p>	<p>In History this half term, pupils will be studying 'Elizabethan England 1568-1603'. Pupils will begin by exploring why poverty increased during this period and describing the approaches to poverty in Elizabethan England. Pupils will explain how and why the Elizabethan period is described as an 'age of discovery'. Following this, pupils will explain the decisions that Elizabeth made about religion in England and the different reactions to Elizabeth's church settlement. This knowledge will then be used to describe the opposition Elizabeth faced from both inside and outside England. Finally, pupils will recall the change in Elizabeth's policy towards Catholics as a result of their opposition.</p>
Business Studies	Music	Construction
<p>In Business Studies this half term pupils will be studying Unit 1, Topic 7, 'Making a Marketing Decision'. Pupils will begin by explaining the relationship between the different elements of the design mix and the phases of the product lifecycle. They will then consider the importance to a business of differentiating a produce of service and how pricing strategies can be used to support differentiation. Following this, pupils will compare the different methods of distribution and analyse the advantages and disadvantages of different methods of distribution. Finally, pupils will justify an appropriate marketing mix that can build a competitive advantage for businesses.</p>	<p>In Music this half term pupils will continue to complete their chosen second units. The two units will comprise half of the grade for the BTEC. Following this, pupils will begin to work on Unit 2, 'Managing a Music Product'. Within this unit pupils will create their own music and market the product for release. This unit will require working with others as a team. Finally, pupils will begin to look at other parts of the music industry such as Unions and royalty payments.</p>	<p>In Construction this half term pupils will finish the two units previously studied. Pupils will use the planning skills they have learnt to complete an assessment task; they will complete a four-week planner detailing all the events and appointments they need to keep. Within the Bricklaying programme pupils will be practicing the skills they have been taught previously. Finally, pupils will complete an assessment for the Bricklaying unit pupils will be given a scenario and will be expected to plan, prepare and build a three-course brick wall.</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.