

Year 10  
Overview of  
Learning

This term we are learning about  
"Does everyone leave a  
footprint?"



Our Change Maker principle, this  
term is 'Adaptable'



English - GCSE or Entry Level	Maths - GCSE or Entry Level	Science - GCSE or Entry Level	iMedia Cambridge Nationals or Performing Arts BTEC	PSHE/RSE & Personal Development
<p><b>Year 10 - GCSE English Language (AQA)</b> In Year 10, young people will be studying AQA GCSE English Language, with a clear focus on understanding how to approach each exam question effectively. Lessons will break down the structure and expectations of the exam papers, helping young people to understand what each question is asking and how to respond successfully. Following mock examinations, young people will be given personalised targets to support their progress. Teaching will focus on strengthening individual skills, building confidence with exam techniques, and improving written responses through practice and feedback.</p> <p>This Spring term in Entry Level 3 English from Pearson Edexcel, students will focus on developing their reading, writing, speaking, and listening skills. They will</p>	<p>Year 10 GCSE Maths (Edexcel) In Spring 1 of Year 10 GCSE, following the White Rose Maths scheme of work, students will focus on key topics that build a strong foundation for their GCSE assessments. They will delve into Number, exploring concepts such as indices, standard form, and calculations with fractions, decimals, and percentages. Additionally, students will study Algebra, including solving equations, inequalities, and understanding sequences. The curriculum will also cover Ratio and Proportion, helping students apply these concepts to real-life problems. Throughout this term, emphasis will be placed on developing problem-solving skills and applying mathematical reasoning, preparing students for their upcoming exams.</p> <p>This Spring term in Entry Level 3 Maths from Pearson Edexcel, students will focus on enhancing their mathematical skills across a range of topics. They will explore</p>	<p><b>ELC Science</b></p> <p>Students will continue their study of the human body, beginning with how the human body is controlled and regulated. They begin by exploring automatic responses, including reflex actions, and why these quick reactions are important for keeping us safe. Students learn how messages travel through the nervous system to produce a response. Students then study fitness and what it means to be fit. They will take part in a practical investigation involving exercise, where they safely collect data, present results in graphs, and draw conclusions from their findings. This topic then introduces hormones and how they control processes in the body, including their role in the menstrual cycle. Finally, students learn how hormones can be used to control fertility, looking at contraception and fertility treatments such as IVF, and considering their benefits and drawbacks.</p> <p><b>GCSE Biology</b></p> <p>Students will begin this half term completing the Communicable and Non-communicable diseases topic, exploring how different microbes spread and cause disease, including a case study on malaria, and learn how illnesses can be prevented and treated.</p> <p>Following that young people will move on to exploring how plants and humans defend themselves against pathogens, focusing on the immune system, vaccines, and the use of</p>	<p><b>Computer Science</b></p> <p>Students will complete their exploration of network topologies. Following this they will consider different aspects of network security and learn how network protocols allow communication within and between networks</p> <p><b>Creative iMedia</b></p> <p>Students will complete their first piece of controlled assessment, R093 Digital Graphics. They will create their portfolio and present it for assessment by the exam board</p>	<p><b>PSHE</b></p> <p>Students will explore themes around feelings, emotions, and attraction.</p> <p>They will explore what healthy and normal feelings are and safe conduct within relationships.</p>

<p>engage with a variety of texts, enhancing their comprehension and analysis abilities while learning to identify key themes and ideas. In writing, students will practise composing clear and coherent texts for different purposes, focusing on structure, grammar, and vocabulary. Additionally, they will participate in discussions and presentations to improve their speaking and listening skills, learning to express their thoughts confidently and respond to others. This comprehensive approach aims to build a strong foundation in English, preparing students for further studies and everyday communication.</p>	<p>key areas such as number operations, including addition, subtraction, multiplication, and division, while applying these skills to solve real-life problems. Students will also learn about measurement, including length, weight, and capacity, and how to interpret and present data using charts and graphs. Additionally, they will delve into basic geometry, identifying shapes and understanding their properties. Through practical activities and exercises, this term aims to build students' confidence in using mathematics in everyday situations and prepare them for further mathematical studies.</p>	<p>antibiotics. They also consider the growing issue of antibiotic resistance and why medicines must be used carefully. Practical work includes investigating the effectiveness of antibacterial solutions and analysing results. The topic also covers how new drugs are developed and tested, including ethical considerations such as the use of placebos.</p> <p>Finally, students will begin the Bioenergetic topic, learning about photosynthesis, and carrying out experiments to show oxygen production and testing leaves for starch to understand how plants make and store food.</p> <p><b>GCSE Combined Science</b></p> <p>Students will begin this half term by completing the Physics topic Energy. They will explore the different forms of energy, including elastic potential and thermal energy, learning how to calculate energy changes, specific heat capacity, and efficiency. Students also examine the environmental impact of renewable and non-renewable energy sources, including their advantages, disadvantages, and contribution to climate change.</p> <p>The focus then shifts to the biology topic Organisation, looking at cells, tissues, organs, and organ systems. Students study digestion, the structure and function of the heart and circulatory system, and how the body's systems work together to maintain health.</p> <p>Students also investigate enzymes, including their properties, how they aid digestion, and the factors that affect their activity. Practical work includes experiments to measure enzyme activity under different conditions and tests for carbohydrates, proteins, and fats in food.</p>	<p><b>Performing arts</b> This half term we will be focussing on the compositional unit and working on the assignment brief to compose some music which represents something about themselves - 'This is me'</p>	
--	--	---	--	--

History - GCSE	BTEC Home Cooking Skills	Physical Education	Careers
<p>This half term students will start their 2<sup>nd</sup> unit looking at Early Elizabethan Society.</p> <p>This will start with an overview of the Tudors up to this point, particularly Henry VIII and the reformation, as well as the changings from Catholicism to Protestantism and back again under Elizabeth's siblings.</p> <p>The unit will start by explaining social structure of Elizabethan society. As well as the structure of Elizabeth's government. We will also look in great detail on the religion issues she faced and the challenges to her early years, culminating in the Religious Settlement.</p> <p>We will then cover Mary Queen of Scots and the plots against Elizabeth from home and abroad.</p> <p>We will then introduce Sir Francis Drake and his role as a privateer and commander during the Spanish Armada. Before returning to England to examine Elizabeth's educational reforms and the increasing pursuit of leisure activities in England such as the theatre, bull baiting and sport</p>	<p>This term, learners will be focusing on basic baking and desserts as part of their Home Cooking Skills course. They will take part in practical lessons making dishes such as apple crumble with custard, Oreo cheesecake, scones, marble cake, cinnamon rolls, and blondies or brownies. Alongside the cooking, theory lessons will help them understand the importance of food hygiene, the role of key ingredients like sugar, fat, and raising agents, and how simple swaps can make recipes healthier. Learners will also explore the traditions behind British baking and practice evaluating their own dishes. By the end of the term, they will have gained confidence in following recipes, using kitchen equipment safely, and preparing a range of sweet treats independently. Parents can support by encouraging learners to practice at home, talking about healthy eating choices, and celebrating their progress as they develop valuable life skills in the kitchen.</p>	<p>Young people will focus on developing their skills in badminton, both as individuals and with a partner. They will learn to use a variety of tactics and strategies to effectively overcome opponents in direct competition, enhancing their critical thinking and teamwork abilities. Furthermore, students will evaluate their performances in comparison to previous efforts, allowing them to identify areas for improvement and strive towards achieving their personal best.</p>	<p>In Year 10, students will focus on building the skills necessary to secure and succeed in work experience placements. These sessions will guide them through the process of researching opportunities, applying for roles, and understanding the support they need to thrive in a professional environment, while also fostering independence. Bader Academy is going to review work experience opportunities for year 10s in 2025 and determine if this can take place.</p>