

10/11M Autumn Term Curriculum Overview

This term pupils will be studying the following topics in their KS4 curriculum.

Subject	Topic
Science	<p>Pupils will be beginning their Entry Level Certificate in Science. This takes 2 years to complete. This term students will study the topic 'Variation and Inheritance. They will learn about the causes of variation, and the types of variation. They will learn about features that we inherit from our parents and inherited, genetic diseases.</p> <p>During the second half of the Autumn term students will study the topic 'Healthy living'. They will learn about organs of the human body and how they work together to enable the body carry out its vital functions. They will learn about the benefits of healthy eating and exercise, and the effects of alcohol, smoking and drugs on a person's health.</p>
English	<p>This term students will be studying a number of short stories-developing skills on looking at language and meaning in the text. They will be developing comprehension skills and writing sentences accurately. After half term we will be studying 'The diary of Anne Frank' and will be exploring historical context and characters.</p>
Art	<p>Students will be exploring images by the American Pop artist Andy Warhol who designed a series of bright, bold posters of endangered animals. Students are encouraged to share their ideas about how to create an imaginative poster to highlight the dangers of climate change, pollution, hunting and loss of habitat. We will be looking at patterns and lettering styles to add information to the posters and recording ideas in their individual art sketch books. We will be experimenting with art materials using fine line drawing, colour mixing, brush work, textures and mixed media.</p>
Music	<p>This term's theme will be rhythms, beats and <i>leading a team</i>. Pupils will learn about communication, team work, independence and following directions through singing as well as exploring and experimenting with percussive and tuned instruments. They will experience different styles of music from around the World and use music technology to create melodies and drum patterns.</p>
Drama	<p>Pupils will build on current and develop new drama skills including teamwork, devising, improvisation, using physical theatre techniques and performance.</p> <p>Students to enact stories and scenes from Aesop Fables including The Hare and the Tortoise and The Lion and the Mouse.</p>

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Maths	<p>This term pupils will build on their skills through the use of number and the number systems: Counting in steps.0-5. 0-10. 0-20. 20-100. and back. Odd and even numbers. Counting, recognising, reading and writing numbers 0-5 0-10 0-20. 20-100 and beyond. Properties of numbers and number sequences. Place value and words related. Units, Tens, hundreds. Words related to order: order, size, greater/est, more/most, less/least, bigger/est, smaller/est. First, second, third...</p> <p>Calculations: Understanding addition, Understanding subtraction. Rapid recall of addition and subtraction facts. Mental calculation strategies (+ and-). Understand multiplication and learn 2, 5 and 10 x tables. (More if possible).Beginning to understand division.</p> <p>Entry 1 Math.</p> <p>Please Note: For any student hoping to take entry 2 or 3 Math in year 11, they will need to learn their 2-12 Times tables as there is now a non-calculator paper included in the exam.</p>
Food Tech/ Enterprise	<p>This year 10/11M will have combined food tech and enterprise lessons to be able to spend more time on projects and differentiate between cooking for catering and home cooking. In food tech lessons we will be making pastries starting with a cinnamon Danish swirl and then eventually branching out to include several different pastries. Students will be expected to understand how to achieve uniformity and quality control when cooking through accurate measuring. In Enterprise lessons students will work on the business element of selling what they have made in Food tech lessons, buying the correct ingredients and calculating profit made.</p>
PE	<p>Invasion Games</p> <p>In this unit pupils are introduced to the skills needed to play invasion games. This activities are goal oriented and characterized by “invading” another team’s half of playing area.</p> <p>For pupils already familiar with techniques associated with the game they consolidate their knowledge and skills.</p>
Citizenship	<p>Students will learn about diverse national, regional, religious and ethnic identities in the United Kingdom and the need for mutual respect and understanding as part of Black history term.</p>
Computing	<p>The majority of the term will be spent practicing exam papers in order to prepare for a Pearson EDEXCEL Functional Skills Exam. This exam will test the student’s abilities to send and receive emails, edit Word and Excel documents and to follow instructions.</p>

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	In addition, Students will also use Scratch to create more sophisticated computer programmes including games and animations.
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