

# Curriculum Overview

Academic Year:

2017 - 2018

Year:

9

Subject	Term 1	Term 2	Term 3
English	<p>a. READING: The novel Ender's Game and the play Romeo and Juliet – characters, themes, plot, language, stage-craft. Poetry: Pre- and post-1914 poetry; poetry from other cultures and traditions. Biographical detail/context, historical and social context.</p> <p>b. WRITING: Writing structure-- outlining your thoughts. Critical and analytical writing.</p> <p>c. SPEAKING AND LISTENING: Drama focused activities related to the play, group discussions,</p> <p>d. Preparation for Checkpoint – Past Exam Papers, review PEE paragraphs, comprehension, writing triplets (APA, ARC, IED, EIE) revised and developed. Vocabulary and spelling exercises.</p>	<p>a. READING: The novel 'A Village by the Sea'– narrative style, structure, characters, themes, plot, language, vocabulary work, summary writing. Individual Extended Contribution</p> <p>b. WRITING: Intro to logic and reasoning, deduction, etc. Writing exercises for making logical arguments.</p> <p>c. Preparation for Checkpoint – Past Exam Papers, review PEE paragraphs, comprehension, writing triplets (APA, ARC, IED, EIE) revised and developed. Vocabulary and spelling exercises.</p>	<p>a. READING: The novel Great Expectations: historical background, social issues, narrative style, structure, characters, themes, plot, language.</p> <p>b. WRITING: Media Project: using persuasive language and presentational devices to create a product sample, print and radio advertisement and an “ad pitch.”</p> <p>c. SPEAKING AND LISTENING: Presentation of media project; rhetoric, impromptu speaking, debate; Group discussions, Individual Extended Contributions.</p>
Mathematics	<p>The term will start with revision and applications of Pythagoras theorem, followed by angle properties of parallel lines, polygons and circles. Thereafter, more geometry will be covered involving plans and elevations, constructions and locus. The rest of the term will focus on directed numbers, indices, algebra and equations (including rearranging formulae, solving simultaneous equations and expanding double brackets), measures, rounding (decimal places &amp; significant figures), sequences, data handling-diagrams and averages; probability; compound measures such as speed. Functions and graphs including the inverse function; trial and improvement as approximation to the solutions of and equation.</p>	<p>The term will start with basic processes of numbers such as adding, subtracting, multiplying and dividing fractions; ratio and proportion, percentage and household arithmetic. The rest of the term will focus on area and volume, bearings and drawings, transformations and tessellations. The term will end with revision (and <b>possibly</b> the Cambridge Checkpoint exams, depending on the timetable)</p>	<p>Revision, then <b>possibly</b> the Cambridge Checkpoint exams. Start the IGCSE syllabus.</p>
Physics	<p>Density of liquids, regular &amp; irregular solids, floating &amp; sinking, pressure due to atmosphere &amp; solids. Heat energy transfer: conduction, convection and radiation. Turning on a pivot</p>	<p>Electric charge, Electrical circuits Electric current. Use of ammeters and voltmeters. Parallel and series circuits. Forms of energy, energy transformations and energy crisis.</p>	<p>Scientific skills eg graph interpretations, scientific enquiry skills. Checkpoint exams.IGCSE practical skills.</p>

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ICT	<p>Computer systems</p> <p>Input and output devices</p> <p>Storage devices and media</p> <p>Digital media</p> <p>Website development using HTML</p>	<p>Sorting and Searching algorithms</p> <p>Flowcharts</p> <p>Movie Maker Project: eSafety</p>	<p>Pseudocode</p> <p>Computational thinking</p>
Biology	<p>Seeds' - asexual reproduction in flowering plants.</p>	<p>Human Influence On the Environment'- How humans affect the surrounding; selective breeding.</p>	<p>Revision topics from Y7, Y8&amp;Y9 for Checkpoint Exam. Introduction to classification: scientific names, binomial classification, virus, fungus and invertebrates.</p>
Chemistry	<p>Rates of reactions. Periodic table- structure of atoms, trends in groups &amp; periods. Chemical and word equations of reactions.</p>	<p>Patterns of reactivity – Practical science</p> <p>Endothermic / Exothermic reactions.</p>	<p>Revision for Check Point exam, Y7, Y8 &amp; Y9 topics. Introduction to Year 10: atomic structure &amp; writing chemical equations.</p>
History	<p>Early twentieth century - Subtopics include: Causes of World War 1, trench warfare, the peace treaties after the war and how they affected the world particularly Germany. The Russian Revolution causes, eventualities and the result. The USA from 1920 to 1933, the roaring twenties, the boom and its causes. Project and research work and vocabulary associated with this period of political change is emphasised.</p>	<p>Continuation of 1920 to 1933 in America, looking in depth at intolerance in the USA, prohibition, the Gangster era, the Ku Klux Klan, Wall Street Crash and the depression. The Rise of the Dictators: Fascism and fascist ideas, communism and Nazism, the dictators of the time – Hitler, Stalin and Mussolini. Life in Germany under Hitler's rule. Project and research work and vocabulary associated with this period of political change are emphasised.</p>	<p>The Rise of Hitler and how it leads to the start of the Second World War. Hitler's actions, foreign policy in relation to the outbreak of war in 1939. The Holocaust: sub topics include Reason why the Jews were discriminated against, concentration camps and Jewish accounts of life in these camps. Project and research work and vocabulary associated with this period of political change is emphasised.</p>
Geography	<p>Selected regions of climate and vegetation types of the world. Applied geography: soil erosion and global warming and adaption efforts in MEDCs and LEDCs. ICT applications in Geography.</p>	<p>Applied geography: volcanoes and earthquakes and their resultant effect on the natural and human environments as examples of hazards. Tourist &amp; leisure industries – case studies from Zambia and Europe.</p>	<p>Concepts of sustainable development vs. environmental conservation. Aspects of world development.</p>



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Art	'Self Image' – Painting and drawing skills in portraiture and figure drawing. Consider Rembrandt, Vermeer and Leonardo Da Vinci. Exploration of the concept of self image, represented by both self image and related objects. Working in the style of their chosen pop artists students create their own self image piece incorporating drawing, painting and collage.	'Fashion Design' – Accessory design in response to a set brief. To develop appreciation of fashion design and skills in the representation of the human form. Also to learn how to apply design elements and principles in a useful way. Students will make several sketches of figures and accessories/garments before arriving at their final designs	'Theme Interpretation' –“Life in the City”. Development of independent research abilities and formation of creative response to the theme. An introduction to the style of working within the Art and Design IGCSE.
Business Studies	During this term, students receive an introduction by looking at the basic principles of business activity, identifying different business objectives, and different types of businesses. They then proceed to look at different structures of businesses, and what influence governments exercise on business activity.	Students carry out a survey and then process and present the data collected. This introduces them to marketing research, which leads them on to the marketing mix.	Communication and the Management of Human Resources are the topic areas to be covered in this term.
French	Introduction to French lifestyle, meeting people, keeping in touch, television/cinema/sport, Travel/transport/holiday. Grammar and verbs: present and past tenses, adjectives, negative sentences. How to give an opinion, extension of vocabulary. The four skills of listening, speaking, reading and writing.	Exchange visit to France, cultural differences, the world around us. Grammar and verbs: future and past tenses, introduction of imperfect tense. The four skills of listening, speaking, reading and writing.	School, part time jobs, careers and future plans. Introduction to the IGCSE programme.
Physical Education	In Fitness pupils will learn and accurately replicate specific techniques for a variety of fitness based activities. In Volleyball & Basketball pupils will focus on replicating and developing techniques as well as implementing and refining strategic play to outwit opponents. Pupils will be able to demonstrate the essential elements of attack and defence. In Swimming pupils will focus on developing the number of strokes and techniques they use, and improving their quality, fluency and power in a range of swimming activities.	In Cross-Country pupils will gain an understanding of warm ups, cool downs and health importance through physical tasks. Pupils will reflect on the benefits that fitness events give to an individual and implications for future life. In Football & Netball pupils will focus on developing, implementing and refining team and individual game plans to outwit opponents. Teams will be expected to plan strategies and implement them in different situations in a football game.	In Athletics pupils will further enhance replication and performance across all disciplines. Pupils to gain a further understanding of fitness and its relationship to performance. In athletic activities, pupils will engage in performing skills and personal and collective bests in relation to speed, height and distance. In Hockey will focus on developing, implementing and refining team and individual game plans with the goal of outwitting an opponent. Pupils will focus on developing and implementing attacking and defending strategies and techniques.

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Drama	ROMEO & JULIET by William Shakespeare Students will learn about tragedies and how relationships change in relation to family feuds. They will also learn how to present scenes from the works of William Shakespeare.	ANTIGONE by Sophocles Students will explore Greek mythology and theatre. They will also have debates on divine law and man-made laws.	THINGS FALL APART by Chinua Achebe Students will learn about African authors and cultures as well as how to present African extracts as dramatic pieces..
Music	Singing technique improved and rules of harmony including secondary triads. The rudiments of music and composition.	Practising, rehearsing and performing compositions as well as singing practice. Baroque period history.	Major and minor chord study and their use as alternative chords in accompaniment in composition. Romantic period, African drumming and music.
Business Studies	During this term, students receive an introduction by looking at the basic principles of business activity, identifying different business objectives, and different types of businesses. They then proceed to look at different structures of businesses, and what influence governments exercise on business activity.	Students carry out a survey and then process and present the data collected. This introduces them to marketing research, which leads them on to the marketing mix.	Communication and the Management of Human Resources are the topic areas to be covered in this term.
Personal, Social and Health education	A course designed to teach a variety of topics that are linked directly to the student's particular needs during the year. Pupils are taught study techniques and information about school life. They look at health related topics and social issues as well as gaining an insight into career choices and the concept of global citizenship.		

