

Curriculum Overview

Academic Year: **2010 - 2011**

Year: **9**



Subject	Term 1	Term 2	Term 3
English	'Romeo and Juliet' – empathy tasks, language analysis, themes, media analysis, essay writing. Build language confidence and exposure to different forms of writing. Grammar and punctuation. Writing to Analyse, Review, Comment, Imagine, Explore, Entertain.	Preparation for Checkpoint – PEE paragraphs, weekly comprehension, writing styles revised and developed. Vocabulary and spelling exercises. Inform Explain Describe, Argue Persuade Advise, Analyse Review Comment, Imagine Explore Entertain.	The Novel – 'The Skin I'm In' – Writing to analyse, review, comment and argue, persuade, advise. Poetry – feelings and war poetry. Poetry from other cultures and traditions. Biographical detail/context, historical and social context. Development of own poetic style.
Mathematics	Numbers in standard form, round off, decimal places & significant figures. Powers and roots of integers. Simplify, factorise or transform expressions. Simultaneous equations, quadratic equations. The circle, mensuration of right prisms and cylinders. Bounds; algebraic fractions & expressions. Linear graphs.	Add, subtract, multiply and divide fractions, simplify a fraction by cancelling common factors. Constant or average rates of change followed by a further study of probability, inequalities and loci.	Revision for the Cambridge checkpoint exams. Pythagoras theorem, simple trigonometry, bearings and data handling.
Physics	Electric charge, Electrical circuits: Density of liquids, regular & irregular solids, floating & sinking, pressure due to atmosphere & solids. Forces and their effects. Heat energy transfer: conduction, convection and radiation.	Electric current. Use of ammeters and voltmeters. Parallel and series circuits. Forms of energy, energy transformations and energy crisis. Formation of shadows, reflection and refraction. Colour mixing.	Speeding up and distance-time graphs. Checkpoint exams. IGCSE practical skills.
ICT	Control Systems, Control Software, document production (working with many documents, using the help function, tabs, borders and lists, using tables and mail merge), presentation authoring software.	Global Communication (negotiating and transferring data), Database program (database structure and database window, hiding and displaying toolbars. Using the help function, creating a new table, defining the primary key, entering other fields, saving and editing the table structure. Editing the field size attributes. Indexing with and without duplicates. Setting up relationships. Entering data in datasheet view.	Managing a project (system life cycle), Web site design in - 'FrontPage'. Hyperlinks, background colours, styles and headings are all reviewed. 'Microsoft Office' as a suite is looked at and the links between 'Excel' and 'Word'(integration).
Biology	'Photosynthesis' as a living process in plants, 'Seeds' -sexual reproduction in flowering plants. 'Food Chains and Food Webs'- energy flow, role of decomposers, factors affecting size of population.	'Adaptation and selection'- Living things and their habitat. 'Human influence on the environment'- How man affects the surrounding, selective breeding.	Revision topics from Y7, Y8 & Y9 for Checkpoint Exam. Introduction to classification: scientific names, binomial classification, virus, fungus, invertebrates,



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Chemistry	Patterns of reactivity -metals with oxygen, water and acids. Preparing salts - reacting acids with metals/metal carbonates, word equations. Endo-thermic / Exothermic reactions.	Rates of reactions. Periodic table- structure of atoms, trends in groups & periods.(revise on Reactions of metals/non-metals, & corrosion).	Revision for Check Point exam, Y7, Y8 & Y9 topics. Introduction to Year 10: atomic structure & writing chemical equations.
History	Early twentieth century. Subtopics include World War 1, trench warfare, the Russian Revolution, the Roaring twenties (USA) and the Rise of Fascism. Project and research work and vocabulary associated with this period of political change is emphasised.	1920's America looking in depth at discrimination 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, how Hitler gains power and his foreign policy. Project and research work and vocabulary associated with this period of political change is emphasised.	Continuation of The Rise of Hitler and how it leads to the start of the Second World War. 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.
Geography	Major 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.	Applied geography: volcanoes and earthquakes and their resultant effect on the natural and human environments as examples of hazards. Tourist & leisure industries – case studies from Zambia and Europe.	Concepts of sustainable development vs. environmental conservation - Italy, an EU and developed country. Aspects of world development.
Art	Painting and Drawing skills in figure drawing. Consider Leonardo Da Vinci and Michelangelo. Observational studies from a living person. Designs with silhouette figures. Formation of three dimensional artworks - African masks.	Wildlife and landscapes. Design- fashion and surface pattern; shapes, structures, montage. Expressions of spatial relationships, depth and distance in cityscapes.	Painting and drawing using various media - ability to imagine, observe and be analytical, working from a choice of topics. Development of visual elements i.e. tone, line, form. Designs in silhouette. Three dimensional designs - personal ornaments.
French	Topics family, work, travelling. Grammar and verbs: present and past tenses, adjectives, negative sentences. How to give an opinion, extension of vocabulary. The 4 skills of listening, speaking, reading and writing.	Topics on environment, home and school. Grammar and verbs: future and past tenses, introduction of imperfect tense. The 4 skills of listening, speaking, reading and writing.	Review of all topics, festivals. Grammar and verbs: prepositions, pronouns, comparisons, future and conditional tenses. Diary writing, creative writing. Review of all work covered, making of a magazine. Introduction to IGCSE course.
Physical Education	Volleyball: serving, receiving and digging skills, tactical play, basketball positioning, tactical play.	Netball: tactical play, pivoting, offensive and defensive, passing and dodging skills. Soccer con-	Introduction of fitness- stamina, strength, speed, muscular endurance, heart rate. Hockey: control



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	Swimming; 4 basic strokes. Introduction of fitness activities, stamina, strength, speed, muscular endurance.	Control skills, rule observance, tactical play and positioning. Introduction of fitness activities, stamina, strength, speed, muscular endurance. Cross-Country: pacing, stamina, endurance, tactics.	skills & tactical play, hit ins, penalty & long games, small sided games. Athletics: sprinting, relays, long jump, high jump, shot, discus and javelin.
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 as well as preparing them for Checkpoint examinations. They look at health related topics and social issues in addition to gaining an insight into world religions and the concept of global citizenship.		

