



10F Curriculum Overview

Spring Term 2018

Subject	Area(s) of Study	Suggestions for Parental Support/Involvement at Home	Key words	
English Language and English Literature Mrs Forbes	<ul style="list-style-type: none"> We will be looking at Creative Writing plus the GCSE Poetry Anthology Creating a narrative, developing a structure, narrative hooks Crafting a description Creating convincing characterisation and voice Looking at language choices and sentence structures Work will be completed on a creative writing task and this will also be used to test other writing forms such as lists, letters, speeches, diaries, dialogue. Exploring poems, identifying explicit and implicit information, analysing poet's use of language, comparing poet's ideas and perspectives and how these are conveyed 	<ul style="list-style-type: none"> Talk to your daughter about her targets and what she is doing in order to make progress Read some stories with her and discuss the setting, characters, key themes and how the plot unfolds Talk to your daughter about her personal response to her current reading book Try to make sure that your daughter reads every day as this is a really useful way to build creative writing ideas and skills Encourage your daughter to make detailed references to what she is reading in order to back up her ideas Discuss different written forms newspapers/magazines/online articles encouraging your daughter to summarise the key ideas Point out different sentence structures, especially where short sentences are used. Like this! Point out language on billboards, buses, posters and how this makes the reader feel 	character description paragraph complex sentence protagonist complication climax flashback structure DA FOREST: D - Direct address A - Audience F - Facts O - Opinions R- Rhetorical question E - Emotive Language S - Statistics T - Three, Rule of three	narrative description focus simple sentence introduction development resolution summary



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		<ul style="list-style-type: none"> Encourage your daughter to read new information and summarise the key points 	
Maths Miss Middlehurst	<p>Angles and polygons</p> <ul style="list-style-type: none"> Angles and lines Triangles and quadrilaterals Congruence and similarity Angles in Polygons <p>Fractions, decimals and percentages</p> <ul style="list-style-type: none"> Decimals and fractions Fractions and percentages Calculations with fractions Fractions, decimals and percentages <p>Working in 2D</p> <ul style="list-style-type: none"> Measuring lengths and angles Area of a 2D shape Transformations 	<ul style="list-style-type: none"> Discuss key words and their meaning. Practice multiplication tables and number bonds. Practise working with numbers in real life situations e.g. shopping, looking for the best deal, looking at price per 100g. Encourage your daughter to pay for items when shopping. Work on counting the money and checking the change. Play board games and games with dice and cards http://www.mathschamps.co.uk/#home also has games which can be played at home. http://www.topmarks.co.uk/maths-games/hit-the-button is a great way to practise number bonds etc. Involve your daughter when cooking, etc. at home; a great way to have fun with Maths. http://www.topmarks.co.uk Use BBC bitesize GCSE, there are activities and short video clips. Use MyMaths games and topic-specific boosters. 	angle degrees acute obtuse reflex right angle triangle isosceles equilateral scalene quadrilateral parallelogram trapezium kite rhombus polygon pentagon hexagon octagon interior/exterior angle parallel perpendicular congruent similar fraction decimal denominator numerator equivalent fractions percentage multiplier half third quarter transformation reflection rotation translation enlargement scale factor centre of enlargement centre of rotation vector



<p>Science Mrs Alexander</p>	<p>Chemistry</p> <p>State of Matter In this topic your daughter will learn about various states of matter, mixture and various separation techniques</p> <p>Atomic structure Structure of atom Atomic number and atomic mass Isotopes</p> <p>The Periodic table Elements and the periodic table Atomic number and periodic table Electronic configuration and periodic table</p> <p>Ionic Bonding, Covalent Bonding, Metallic Bonding: In this topic you daughter will learn all about how metals and non-metals bonds to form ionic compounds. The non-metals bonds to form co-valent compounds and the structure and properties of metals.</p>	<ul style="list-style-type: none"> • Talk to your daughter about her targets and what she is doing in order to make progress • Ask you daughter what she has learned each week • You may be able to buy the revision guide for your daughter and use it regularly • Ask your daughter to use BBC Bitesize for revising topics and looking at keywords. 	<p>element mixture compound solution solute solvent distillation chromatography atom protons electrons neutrons</p>	<p>electronic configuration ions cation anions ionic lattice structure ionic bonding covalent bonding allotropes metallic bonding</p>
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	<p>Biology</p> <p>Key concept</p> <p>In this topic your daughter will learn about Microscopes, cells: plant, animal and bacteria, specialised cells, enzymes action and activity</p> <p>Cells and control</p> <ul style="list-style-type: none"> • Mitosis • Growth in animals • Growth in plants • Stem cells • Nervous system • Neurotransmission speeds 		<p>Light microscope electron microscope enzymes specialised cells mitosis diploid haploid stem cells neurons synapses the reflex arc</p>
<p>ICT Mrs Janaway</p>	<p>Unit 1 – The Online World</p> <p>The Internet</p> <ul style="list-style-type: none"> • Hardware • Protocols • Internet Service Providers • Bandwidth and data transfer <p>World Wide Web</p> <ul style="list-style-type: none"> • Web servers • Internet browsers • Search engines <p>Data Exchange</p> <ul style="list-style-type: none"> • Hardware and software 	<ul style="list-style-type: none"> • Use the BTEC Revision guide and discuss the content together • Homework will sometimes be set from the Revision Workbook and the answers are in the back so it may be useful for you to have a copy of this to support homework - BTEC First in I&CT Revision Workbook (BTEC First IT) https://www.amazon.co.uk/BTEC-First-CT-Revision-Workbook/dp/1446909808/ref=sr_1_2?s=b ooks&ie=UTF8&qid=1504878426&sr=1-2&keywords=btec+ict 	<p>LAN / WAN access point router Ethernet cable switch broadband WI-FI wireless IP address fibre optic packet packet switching</p>



	<ul style="list-style-type: none"> • The role of a coder / decoder • Transmission methods • Parallel, serial and bi-directional transmission • Packet switching • Components of a wireless network <p>Data Storage</p> <ul style="list-style-type: none"> • Database structure • Online databases • Database Management Systems <p>Possible threats to data</p> <ul style="list-style-type: none"> • Security issues • Security measures • Backing up data and data recovery • Benefits and dangers of social networking • Online monitoring • Current legislation 	<p>co.uk/BTEC-First-CT-Revision-Workbook/dp/1446909808/ref=sr_1_2?s=b ooks&ie=UTF8&qid=1504878426&sr=1-2&keywords=btec+ict</p> <ul style="list-style-type: none"> • Revise and learn the key words supplied in each lesson • Discuss your Internet Service provider and the services they provide • Look at different search engines, such as Bing and Yahoo 	<p>hyperlink URL HTTP HTML simplex half duplex duplex CODEC</p>
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<p>Art Miss Henderson</p>	<ul style="list-style-type: none"> • Students will start to work on the second of their Unit 1 projects entitled 'Order and Disorder'. • Whilst continuing to develop their art skills, techniques and media choices, students will to be re- introduced to the four GCSE assessment areas again. • The project is aimed to broaden the students understanding of 'artist links'. • Students will use the work of other artists to inspire them to research and develop their own ideas, link their work to an artist and produce a final outcome. • All work completed will be assessed as part of their final grade for Unit 1 of the GCSE course. • Artist links – Elizabeth Couzins Scott, Lisa Milroy, Michel de Broin. 	<ul style="list-style-type: none"> • Research a range of art from Elizabeth Couzins Scott, Lisa Milroy, Michel de Broin. • Produce small pieces of art that use a range of media reflecting the style of art researched. • Evaluate each finished piece discussing good points and possible areas for improvement. • Research and prepare a short paragraph for each piece of art chosen and discuss what they liked about their work. • Visit art galleries. 	<p>line tone colour pattern texture artists evaluation media improvement canvas graphics fashion fine art</p>	<p>sculpture photography research development reflect assessment project Elizabeth Couzins Lisa Milroy Michel de Broin</p>
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<p>Design Technology: Catering Miss Humphrey</p>	<ul style="list-style-type: none"> • Safety and hygiene, bacteria, food poisoning, risks in catering establishments • Food labelling and safety regulations • Types of food poisonings • Symptoms of food poisoning • HACCP <p>Cooking skills – Food commodities Cereals, bread, rice chicken, noodles, stir fry, apple flan, risotto, soya products, different types of pastry, puff, filo and short crust.</p> <ul style="list-style-type: none"> • Weighing and measuring ingredients, using the hob and oven 	<ul style="list-style-type: none"> • Encourage students to cook at home – photo any practical cooking and bring it to school to show me • Students need to practice cooking a range of different dishes and skills • Explore and use new and different ingredients from shops • Encourage students to try new foods and tastes • Look at recipes in magazines and cookery programmes on television 	<p>employer employee safety responsibility substances hazardous personal protective commodities establishment supplier bacteria microbes poisonous plants allergies intolerance campylobacter salmonella e-coli listeria bacillus cereus staphylococcus aureus</p>
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<p>Work Experience Mrs Sabey</p>	<p>We will be developing our awareness of skills used for Employment:</p> <ul style="list-style-type: none"> • Practical skills • Social skills • What we have to offer • Where we need to improve • Strategies for stress • Looking at and starting a CV so that students can add to and expand on. • Writing a personal profile. • Preparing for Work Experience – weekly and their week long one. • Preparing for interview. Mock interviews. • Discussing post 16 and colleges – possibly visit some of them. <p>Some students will start their weekly work experience this term.</p>	<ul style="list-style-type: none"> • Talking with you daughter about her personal skills and qualities and what she has to offer. • Discuss the different styles of body language seen in the workplace. • Discuss interviews – what to wear and what questions may be asked. • Look at and explore local colleges with your daughter. • Comment on different vocal styles and tones which can be positive in the workplace. 	<p>skills qualities listening cooperation different relationships awareness sensitivity vocal tone self-control body language curriculum vitae interview</p>
<p>Health and Social Care Mrs Chippington</p>	<p>This term the students will be continuing to work on the second controlled assessment.</p> <p>Controlled assessment 2 'Investigating three different job roles in health, social care or early years':</p> <ul style="list-style-type: none"> • identification and description of the roles of the care workers 	<ul style="list-style-type: none"> • At home the course can be supported by watching documentaries about e.g. children's hospitals, care homes, living on benefits, etc. Also serials such as Casualty and Holby City, talking with your daughter about how e.g. self-esteem may be affected by the illness/incident that has happened, how a poor diet may lead to obesity, this 	<p>treatment primary health care secondary health care statutory sector private sector voluntary sector integrated services partnership working self-referral</p>



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	<ul style="list-style-type: none"> • specific skills required for the job roles including communication • principles of care linked to care actions and aspects of a professional code for each job role 	<p>may then affect self-esteem and consequently employment prospects, etc.</p> <ul style="list-style-type: none"> • If you have any friends or relatives who access health or social care services talk about this with your daughter. Find out about the support given and why it is needed. Is the support voluntary or do they have to pay for it? 	<p>professional referral third-party referral physical barriers psychological barriers financial barriers geographical barriers cultural and language barriers resource barriers service aims care actions impairment observation data interpretation diagnosis counselling modelling needs assessment developmental assessment empowerment anti-discriminatory practice confidentiality code of practice</p>
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