



**10M Curriculum Overview**  
**Autumn Term 2018**

Subject	Area(s) of Study	Suggestions for Parental Support/Involvement at Home	Key words
<b>English and English Literature AQA GCSE</b> Mrs Forbes	<ul style="list-style-type: none"> <li>We will be reading A Christmas Carol by Charles Dickens and exploring creative and non-fiction text extracts</li> <li>We will be looking at the social and historical context of both texts, character, setting and narrative</li> <li>We will explore how texts present a writer's viewpoint</li> <li>We will be looking at how writers use language and spend time developing a personal and convincing responses to the text</li> <li>We will also develop the ability to use evidence from the texts to support a personal point of view</li> <li>Tasks will include using visual images to support learning and if appropriate students will also be introduced some examination practice using the texts</li> <li>The text will also be used as the basis for creative writing in order to prepare for the English language examination as well as encouraging</li> </ul>	<ul style="list-style-type: none"> <li>Talk to your daughter about her targets and what she is doing in order to make progress, ask her what she has learned in lessons</li> <li>We are focusing on the idea of the natural world so pointing out the changes from autumn to winter would be beneficial</li> <li>Read some stories with her and discuss the setting, characters and how the plot unfolds</li> <li>Discuss word choices and how they often make a picture in your head and how different words make the reader feel</li> <li>Talk to your daughter about her personal response to her current reading book</li> <li>Try to make sure that your daughter reads every day as this is a really useful way to build creative writing ideas and skills</li> <li>Encourage your daughter to make detailed references to what she is reading in order to back up her ideas or when she is expressing a point of view</li> <li>Please feel free to email regarding homework or with any other learning ideas you think may benefit your daughter or if you have any concerns</li> </ul>	<p><b>Key Words:</b> Natural World, sentence, structure, theme, explore, explain, describe, personal opinion, character, plot, language, structure, setting, clues, example, social and historical context, Victorian, viewpoint.</p> <p><b>Key Words Extension:</b> analysis, interpretation</p>



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	students to write longer personal responses to literature	regarding her work in English	
<b>Maths</b> Miss Middlehurst  GCSE OCR Functional Skills Pearson	<b>Calculations</b> <ul style="list-style-type: none"> <li>Place value, ordering and rounding</li> <li>Multiplication by powers of 10</li> <li>Calculations with decimal numbers</li> <li>Calculations with negative numbers</li> <li>Order of operations (BIDMAS)</li> </ul> <b>Expressions</b> <ul style="list-style-type: none"> <li>Algebraic notation and terminology</li> <li>Simplifying expressions</li> <li>Index laws</li> <li>Expanding and factorising expressions</li> <li>Substitution into expressions</li> </ul> <b>Angles and polygons</b> <ul style="list-style-type: none"> <li>Properties on angles at a point, on a straight line, in parallel lines</li> <li>Angles in triangles and quadrilaterals</li> <li>Types of quadrilateral and their properties</li> <li>Congruence and similarity</li> <li>Angle in polygons</li> </ul>	<ul style="list-style-type: none"> <li>Discuss key words and their meaning.</li> <li>Practise fast recall of multiplication tables and number bonds.</li> <li>Practise working with numbers in real life situations e.g. shopping, looking for the best deal, looking at price per 100g.</li> <li>Play board games and games with dice and cards</li> <li><a href="http://www.topmarks.co.uk">http://www.topmarks.co.uk</a></li> <li><a href="http://www.mathschamps.co.uk/#home">http://www.mathschamps.co.uk/#home</a> also has games which can be played at home.</li> <li><a href="http://www.topmarks.co.uk/maths-games/hit-the-button">http://www.topmarks.co.uk/maths-games/hit-the-button</a> is a great way to practise number bonds etc.</li> <li>Involve your daughter when cooking, etc. at home; a great way to have fun with Maths.</li> <li>Use BBC bitesize KS3, there are activities and short video clips.</li> <li>Use MyMaths games and boosters.</li> </ul>	positive negative integer decimal place significant figure greater than less than equivalent expression equation identity formula formulae term substitute unknown simplify factorise brackets index indices base power  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



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<p><b>Science</b> Mrs Whitney</p> <p>GCSE Edexcel Combined Science</p>	<p><b>Atomic Structure and the Periodic Table</b></p> <ul style="list-style-type: none"> <li>• Structure of the atom</li> <li>• Isotopes</li> <li>• Electronic structure</li> <li>• Development of the Periodic Table</li> <li>• The Modern Periodic Table</li> </ul> <p><b>Cells and Control</b></p> <ul style="list-style-type: none"> <li>• Mitosis</li> <li>• Growth in plants and animals</li> <li>• Stem Cells</li> <li>• The nervous system</li> </ul> <p><b>Forces and motion</b></p> <ul style="list-style-type: none"> <li>• Newton's Laws</li> <li>• Momentum</li> <li>• Vehicle stopping distances and crash safety</li> </ul>	<ul style="list-style-type: none"> <li>• Discuss targets with your daughter</li> <li>• Help her to use the revision guide to review her work on a weekly basis</li> <li>• Help her to learn equations and definitions</li> <li>• Use online resources like BBC Bitesize and Youtube to revise and review the topics she is studying.</li> <li>• Read popular science books and watch documentaries and discuss these with your daughter.</li> </ul>	<p>atom proton neutron electron positive negative neutral energy level period group</p> <p>interphase prophase metaphase anaphase telophase cytokinesis</p>	<p>axon neuron</p> <p>force mass acceleration reaction velocity braking distance thinking distance stopping distance</p>
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<p><b>ICT</b> Mrs Janaway</p>	<p><b>BTEC Firsts Information and Creative Technology (2012) (Pearson)</b></p> <p><b>World Wide Web</b></p> <ul style="list-style-type: none"> <li>• Web servers</li> <li>• Internet browsers</li> <li>• Search engines</li> </ul> <p><b>Email</b></p> <ul style="list-style-type: none"> <li>• Protocols</li> <li>• Store and forward model</li> </ul> <p><b>Data Exchange</b></p> <ul style="list-style-type: none"> <li>• Hardware and software</li> <li>• The role of a coder / decoder</li> <li>• Transmission methods</li> <li>• Parallel, serial and bi-directional transmission</li> <li>• Packet switching</li> <li>• Components of a wireless network</li> </ul> <p><b>Data Storage</b></p> <ul style="list-style-type: none"> <li>• Database structure</li> <li>• Online databases</li> <li>• Database Management Systems</li> </ul> <p><b>Possible threats to data</b></p> <ul style="list-style-type: none"> <li>• Security issues</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Encourage your daughter to come to the Homework Club on a Friday lunchtime</b> and to ask for help, from Mrs Janaway, when needed</li> <li>• Use the BTEC Revision guide and discuss the content together</li> <li>• 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 - <b>BTEC First in I&amp;CT Revision Workbook (BTEC First IT)</b>  <a href="https://www.amazon.co.uk/BTEC-First-CT-Revision-Workbook/dp/1446909808/ref=sr_1_2?s=books&amp;ie=UTF8&amp;qid=1504878426&amp;sr=1-2&amp;keywords=btec+ict">https://www.amazon.co.uk/BTEC-First-CT-Revision-Workbook/dp/1446909808/ref=sr_1_2?s=books&amp;ie=UTF8&amp;qid=1504878426&amp;sr=1-2&amp;keywords=btec+ict</a> </li> <li>• Revise and learn the key words supplied in each lesson</li> <li>• Discuss your Internet Service provider and the services they provide</li> </ul>	<p>hyperlink URL HTTP HTML SMTP POP3 IMAP webmail spam phishing simplex half duplex duplex CODEC fibre optic infrared satellite microwave access points flat file relational database</p>	<p>Virus phishing identity theft encryption client side processing server side processing</p>
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	<ul style="list-style-type: none"> <li>• Security measures</li> <li>• Backing up data and data recovery</li> <li>• Benefits and dangers of social networking</li> <li>• Online monitoring</li> <li>• Current legislation</li> </ul>		
<p><b>Art</b> Miss Grant</p>	<p><b>Natural Form</b></p> <ul style="list-style-type: none"> <li>• Understanding the structure of the GCSE course</li> <li>• Drawing for different purposes</li> <li>• Using tone to show form</li> <li>• Exploring texture through mark-making</li> <li>• Blending colours</li> <li>• Observational drawing</li> <li>• Recording insights through annotation</li> <li>• Using photography to observe and record.</li> <li>• Responding to Artists' work (Ernst Haeckel, Karl Blossfeldt, Peter Randall Page, Georgia O'Keeffe, Mary Delany, Beatriz Milhazes, Andy Goldsworthy, Alison Watt, Catrin Mostyn Jones)</li> <li>• Sketchbook presentation</li> <li>• Planning sketchbook pages</li> </ul>	<ul style="list-style-type: none"> <li>• Discussing ideas for the project and finding relevant inspirational images.</li> <li>• Observational drawing and copying images will build skills regardless of the subject matter (If the subject matter is relevant that is excellent but <b>any</b> drawing practice is beneficial).</li> <li>• Promote good drawing practice by:             <ul style="list-style-type: none"> <li>○ Using a sharp pencil</li> <li>○ Including as much detail as possible</li> <li>○ Using shading</li> <li>○ Using contrast</li> </ul> </li> <li>• Take time to look at nature and the effect of light on natural objects.</li> <li>• Encourage your daughter to record these observations, maybe by taking a photo (which can then be emailed to me)</li> </ul>	<p>assessment objectives recording observing tonal range blending directional mark-making form detail shadow mixed –media purposeful exploration annotation insights refining decisions perseverance problem-solving composition relevant response subject matter context</p>



	<p>Students will produce a series of drawings and paintings that explore Natural Form (Assessment Objectives 1 and 3). Students will select appropriate artists and respond to their work (Assessment Objective 2). Every piece of work produced in class can be used as coursework.</p>		<p>mood</p>
<p><b>Catering</b> Miss Humphrey</p>	<ul style="list-style-type: none"> <li>• Food Safety and Hygiene</li> <li>• Introduction to the Jamie Oliver course</li> <li>• How to eat healthily</li> <li>• Food shopping and planning</li> <li>• Working to a budget</li> <li>• Economising</li> <li>• Understanding labelling</li> <li>• Nutritional needs of different people</li> <li>• Factors effecting consumer choice</li> <li>• meat safety</li> <li>• Breakfasts</li> <li>• Soups</li> <li>• Eggs</li> <li>• Sandwiches</li> <li>• Pastry</li> <li>• Lunches</li> <li>• Salads</li> <li>• Choosing recipes</li> </ul>	<ul style="list-style-type: none"> <li>• Taste any food they bring home and write a comment about the look of the dish and how it tasted. Students need to collect this as witness testimonies that they are passing on the recipes they cook. The comments should be brought in to school and collected together in their folders.</li> <li>• Encourage students to cook at home – photo any practical cooking and bring it to school to show me</li> <li>• Students need to practice cooking a range of different dishes and skills; they need to practice cooking more than one dish at a time.</li> <li>• Explore and use new and different ingredients from shops</li> <li>• Encourage students to try new foods and tastes</li> <li>• Look at recipes in magazines and cookery programmes on television</li> </ul>	<p>safety hygiene cross contamination bacteria economising budget consumer choices nutritional needs</p>



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	<ul style="list-style-type: none"> <li>• Shopping lists</li> <li>• Come dine with me episodes</li> </ul>		
<b>Careers</b> Mrs Sabey	<p>We will be developing our awareness of personal strengths, skills and interests and how they can be used for Employment:</p> <p>Identifying strengths and weaknesses. Writing a personal profile. Look at career ideas around their personal skills.</p> <ul style="list-style-type: none"> <li>• Behaviour in the workplace</li> <li>• Communication – verbal and non-verbal.</li> <li>• Interview skills</li> <li>• Looking at colleges and other options post 16.</li> <li>• Starting a CV</li> </ul>	<ul style="list-style-type: none"> <li>• Look at different types of employment and the skills needed together.</li> <li>• Talking with you daughter about her personal skills and qualities and what she has to offer.</li> <li>• Discuss the different styles of body language seen in the workplace.</li> <li>• Comment on different vocal styles and tones which can be positive in the workplace.</li> <li>• Visit your local college with your daughter and begin talking about options at post 16.</li> </ul> <p><b>College Open evening and events</b></p> <p><b>East Surrey</b> <a href="https://www.esc.ac.uk/events/Open%20Events">https://www.esc.ac.uk/events/Open%20Events</a></p> <ul style="list-style-type: none"> <li>• Wednesday 26 September 2018, 17:30 - 20:00</li> <li>• Thursday 11 October 2018, 17:30 - 20:00</li> <li>• Saturday 17 November 2018, 10:00 - 14:00</li> </ul> <p><b>NESCOT</b> <a href="http://www.nescot.ac.uk/events/2018/09/10/">http://www.nescot.ac.uk/events/2018/09/10/</a></p> <ul style="list-style-type: none"> <li>• Wednesday September 26, 2018, from 4.30-7.30pm</li> </ul>	<p>skills qualities listening cooperation different relationships awareness sensitivity vocal tone self-control body language curriculum vitae</p>



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		<p><b>Brooklands College</b>  <a href="http://www.brooklands.ac.uk/about">http://www.brooklands.ac.uk/about</a></p> <ul style="list-style-type: none"> <li>• Weybridge Campus 4<sup>th</sup> / 15<sup>th</sup> October (17:30 – 20:00)</li> <li>• Ashford Campus 2<sup>nd</sup>/13<sup>th</sup> October (17:30 – 20:00)</li> </ul> <p><b>Bromley College</b> <a href="https://www.lsec.ac.uk/events">https://www.lsec.ac.uk/events</a></p> <p><b>Merrist Wood</b> – <a href="https://www.merristwood.ac.uk">https://www.merristwood.ac.uk</a></p> <ul style="list-style-type: none"> <li>• Wednesday 10 October 2018, 5.30-8pm</li> <li>• Saturday 13 October 2018, 10am-1pm</li> </ul> <p><b>Guildford College.</b> <a href="https://www.guildford.ac.uk">https://www.guildford.ac.uk</a></p> <ul style="list-style-type: none"> <li>• Tuesday 16 October 2018, 5.30-8pm</li> <li>• Thursday 18 October 2018, 5.30-8pm</li> </ul> <p>The site below helps explain different courses and apprenticeships etc.  <a href="https://www.careersadviceinsurrey.co.uk/">https://www.careersadviceinsurrey.co.uk/</a></p>	
<p><b>R.E.</b> Mrs Chippington</p>	<p><b>Edexcel GCSE Religious Studies B</b>  <b>Paper 2 Religion, Peace and Conflict:</b>  <b>Islam</b>  <b>Unit 1: Muslim Beliefs</b></p> <ul style="list-style-type: none"> <li>• The Six Beliefs of Islam</li> <li>• The Five roots of 'Usal ad-Din in Shi'a Islam</li> </ul>	<ul style="list-style-type: none"> <li>• Talk about your own beliefs with your daughter, discuss why people may have the opposing view, and ask them to back up their opinions.</li> <li>• Watch the News and read the newspapers talk about references to God, Allah, religion, end of life issues</li> <li>• Support your daughter to learn the key words</li> </ul>	<p>Tawid            Salah  Malaikah        Zakah  Nubuwwah      Sawm  Aakhirah        Hajj  Sunni Muslims   Kyums  Adl                Jihad  Imamah         Amr-bil-</p>





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	<ul style="list-style-type: none"> <li>• The nature of Allah</li> <li>• Risalah</li> <li>• Muslim Holy Books</li> <li>• Malaikah</li> <li>• Al-Qadr</li> <li>• Akhirah</li> </ul> <p><b>Paper 2 Religion, Peace and Conflict:</b> <b>Islam</b></p> <p><b>Unit 2: Living the Muslim Life</b></p> <ul style="list-style-type: none"> <li>• Ten Obligatory Acts of Shi'a Islam</li> <li>• Shahadah as one of the Five Pillars</li> <li>• Salah as one of the Five Pillars</li> <li>• Sawm as one of the Five Pillars</li> <li>• Zakah as one of the Five Pillars, and Khums</li> <li>• Hajj as one of the Five Pillars</li> <li>• Jihad</li> <li>• Celebrations and commemorations</li> </ul>	<p>which will be tested regularly in class.</p> <ul style="list-style-type: none"> <li>• Support your daughter to use the purple revision guide to consolidate learning in class.</li> <li>• Use YouTube clips linked to the exam board, they often give short clear explanation of the topics</li> <li>• Watch the news with your daughter and discuss the issues relevant to the course</li> </ul>	<table> <tr> <td>Mi'ad</td> <td>Maroof</td> </tr> <tr> <td>Immanence</td> <td>Nahi Anil</td> </tr> <tr> <td>Transcendence</td> <td>Munkar</td> </tr> <tr> <td>Omnipotence</td> <td>Tawalla</td> </tr> <tr> <td>Beneficence</td> <td>Tabarra</td> </tr> <tr> <td>Mercy</td> <td>Adhan</td> </tr> <tr> <td>Adalat</td> <td>Mueszzin</td> </tr> <tr> <td>Risalah</td> <td>Minaret</td> </tr> <tr> <td>Qur'an</td> <td>Ramadan</td> </tr> <tr> <td>Torah</td> <td>Lunar calendar</td> </tr> <tr> <td>Sahifah</td> <td>Id-ul-Fitr</td> </tr> <tr> <td>Injil</td> <td>Id-ul-Adha</td> </tr> <tr> <td>Zabur</td> <td>Id-ul-Ghadeer</td> </tr> <tr> <td>Malaikah</td> <td>Ashura</td> </tr> <tr> <td>Al-Qasr</td> <td>Nisab</td> </tr> <tr> <td>Predestination</td> <td>Dhul-Hijjah</td> </tr> <tr> <td>Akhirah</td> <td>Ka'bah</td> </tr> <tr> <td>Shahadah</td> <td>Black stone</td> </tr> <tr> <td></td> <td>Mount Arafat</td> </tr> <tr> <td></td> <td>Greater jihad</td> </tr> <tr> <td></td> <td>Lesser jihad</td> </tr> </table>	Mi'ad	Maroof	Immanence	Nahi Anil	Transcendence	Munkar	Omnipotence	Tawalla	Beneficence	Tabarra	Mercy	Adhan	Adalat	Mueszzin	Risalah	Minaret	Qur'an	Ramadan	Torah	Lunar calendar	Sahifah	Id-ul-Fitr	Injil	Id-ul-Adha	Zabur	Id-ul-Ghadeer	Malaikah	Ashura	Al-Qasr	Nisab	Predestination	Dhul-Hijjah	Akhirah	Ka'bah	Shahadah	Black stone		Mount Arafat		Greater jihad		Lesser jihad
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