



Aim High Study Progress Programme  
Year 10  
September 2020

Area for learning	Focus	Activities	Useful Websites/Apps
English 1 <sup>st</sup> Language	<b>Descriptive Writing</b> <b>Summary Writing</b> <ul style="list-style-type: none"><li>To understand the descriptive and summary writing tips.</li></ul>	<ul style="list-style-type: none"><li>Watch the video on the website provided, write a descriptive piece based on the topic 'Adopt a puppy'</li></ul>	<a href="http://polaris.umuc.edu/ewc/web/writ_describe.html">http://polaris.umuc.edu/ewc/web/writ_describe.html</a>
English 2 <sup>nd</sup> Language	<b>Letter Writing</b>	<ul style="list-style-type: none"><li>Create your own blog. There are several free blog sites that make it easy to get started. Writing for an audience gives a meaningful purpose — a reason to use the reading and writing skills.</li><li>Build a climate of words at home. Share experiences and rich talk about those experiences. The basis of good writing is good talk.</li><li>Use Writing Prompts – to help your child begin a letter. An example of a writing prompt is—</li><li>Pretend you are the first person to create a flying car. Write a letter and tell your friend about what the car would look like and how it would work.</li></ul>	<a href="http://www.parapal-online.co.uk/letters.html">www.parapal-online.co.uk/letters.html</a> <a href="http://www.usingenglish.com">www.usingenglish.com</a> <a href="http://www.wikihow.com">www.wikihow.com</a> <a href="http://www.visionwebdirectory.com">www.visionwebdirectory.com</a> <a href="http://www.articleteller.com">www.articleteller.com</a>



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		<ul style="list-style-type: none"> <li>• Indulge in discussion with your friends on various topics like-</li> <li>• Is developing nuclear energy for commercial use justified?</li> <li>• Is censoring the media effective?</li> <li>• Should all students should have an after-school job?</li> </ul>	
<b>English Literature</b>	<b>Introduction to Literature.</b>	<ul style="list-style-type: none"> <li>• Discuss the following topics with your child and create a flowchart or PPT based on the ideas and opinions generated. <ul style="list-style-type: none"> <li>➤ Does Art Imitate Life or Does Life imitate Art?</li> <li>➤ What is the purpose of turning Historical Characters and Events into plays or movies? How does it affect viewers?</li> <li>➤ How can we define the term 'literature'?</li> <li>➤ Who determines if a book, has literary worth?</li> </ul> </li> </ul>	<a href="https://www.theschooloflife.com/thebookoflife/what-is-literature-for-3/">https://www.theschooloflife.com/thebookoflife/what-is-literature-for-3/</a> <a href="https://thoughtcatalog.com/angelo-lorenzo/2014/03/literature-is-powerful-literature-defines-humanity/">https://thoughtcatalog.com/angelo-lorenzo/2014/03/literature-is-powerful-literature-defines-humanity/</a>
<b>Mathematics (Accelerated)</b>	<p><b><u>Simultaneous Equation</u></b></p> <ul style="list-style-type: none"> <li>• Derive and solve simultaneous equations where one equation is linear and the other is quadratic.</li> </ul> <p><b><u>Trigonometry</u></b></p>	<ul style="list-style-type: none"> <li>• Research on the real-life applications on solving simultaneous equations on air traffic controller to ensure two airplanes don't intersect at the same time.</li> <li>• Research on the use of simultaneous equations to decide on your best investment option, considering the duration of the investment, the interest it will accrue, as well as other variables that will affect the end result.</li> </ul>	<a href="https://www.purplemath.com/modules/solvtrig.htm">https://www.purplemath.com/modules/solvtrig.htm</a> <a href="https://tutorial.math.lamar.edu/Classes/Calcl/TrigEquations.aspx">https://tutorial.math.lamar.edu/Classes/Calcl/TrigEquations.aspx</a> <a href="https://corbettmaths.com/2019/08/29/histograms-practice-questions/">https://corbettmaths.com/2019/08/29/histograms-practice-questions/</a>



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	<ul style="list-style-type: none"> <li>Recognise, sketch and interpret graphs of simple trigonometric functions.</li> <li>Graph and know the properties of trigonometric functions.</li> <li>Solve simple trigonometric equations for values between <math>0^\circ</math> and <math>360^\circ</math>.</li> <li>Construct and interpret histograms with equal and unequal intervals</li> </ul>	<p>Research on the application of trigonometry in various fields such as architects, surveyors, astronauts, physicists, engineers and even crime scene investigators. A computer cannot obviously listen to and comprehend music as we do, so computers represent it mathematically by its constituent sound waves. And this means sound engineers need to know at least the basics of trigonometry</p>	<p><a href="https://mathsmadeeasy.co.uk/gcse-maths-revision/histograms-gcse-revision-and-worksheets/">https://mathsmadeeasy.co.uk/gcse-maths-revision/histograms-gcse-revision-and-worksheets/</a>  <a href="https://www.bbc.co.uk/bitesize/guides/zqf3k2p/revision/4">https://www.bbc.co.uk/bitesize/guides/zqf3k2p/revision/4</a></p>
<p><b>Mathematics (Extended)</b></p>	<p><b>NUMBER</b></p> <ul style="list-style-type: none"> <li>To differentiate between rational and irrational numbers</li> <li>To convert recurring decimals to fractions</li> </ul>	<ul style="list-style-type: none"> <li>Challenge yourself with different recurring decimals. Convert them to fractions and check with calculator.</li> <li>What kind of investment is beneficial for you in the long run? Simple interest or compound interest? Explain with an example.</li> </ul>	<p><a href="https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-numbers-operations/cc-8th-repeating-decimals/v/coverting-">https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-numbers-operations/cc-8th-repeating-decimals/v/coverting-</a></p>



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	<ul style="list-style-type: none"><li>• To find original value applying reverse percentage</li><li>• To apply simple interest and compound interest formulae</li><li>• To calculate the lower and upper bounds and calculate the minimum or maximum area and perimeter</li></ul> <p><b>ALGEBRA</b></p> <ul style="list-style-type: none"><li>• To change the subject of a complicated formula.</li><li>• To factorise difference of squares</li></ul>	<ul style="list-style-type: none"><li>• Write some whole numbers which are rounded to nearest unit, tens, hundreds or thousands. Challenge your child to find out the upper and lower bounds of these rounded values. Now repeat the process with decimal numbers. Ask them to reason their answers. Now research on the different situations where we need to apply the rules of bounds.</li><li>• Create complicated algebraic formulae and change the subject.</li></ul>	<p><a href="#">repeating-decimals-to-fractions-1</a> <a href="http://www.bbc.co.uk/schools/gcsebitesize/maths/number/percentagesrev2.shtml">http://www.bbc.co.uk/schools/gcsebitesize/maths/number/percentagesrev2.shtml</a> <a href="https://www.basic-mathematics.com/simple-vs-compound-interest.html">https://www.basic-mathematics.com/simple-vs-compound-interest.html</a> <a href="http://www.explainingmaths.com/what-are-upper-and-lower-bounds.html">http://www.explainingmaths.com/what-are-upper-and-lower-bounds.html</a> <a href="https://corbettmaths.com/2013/05/28/lower-and-upper-bounds/">https://corbettmaths.com/2013/05/28/lower-and-upper-bounds/</a> <a href="https://www.mathsisfun.com/algebra/factoring.html">https://www.mathsisfun.com/algebra/factoring.html</a> <a href="http://www.bbc.co.uk/schools/gcsebitesize/maths/algebra/factoringrisinghirev1.shtml">http://www.bbc.co.uk/schools/gcsebitesize/maths/algebra/factoringrisinghirev1.shtml</a></p>
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	<ul style="list-style-type: none"><li>To factorise quadratic expression of the form <math>ax^2 + bx + c</math></li></ul>		<p><a href="http://www.bbc.co.uk/schools/gcsebitesize/maths/algebra/quadratics/quadratics1.shtml">http://www.bbc.co.uk/schools/gcsebitesize/maths/algebra/quadratics/quadratics1.shtml</a></p> <p><a href="http://www.bbc.co.uk/schools/gcsebitesize/maths/algebra/formulae/formulae1.shtml">http://www.bbc.co.uk/schools/gcsebitesize/maths/algebra/formulae/formulae1.shtml</a></p> <p><a href="http://mathonweb.com/help_ebook/html/factoring_2.htm">http://mathonweb.com/help_ebook/html/factoring_2.htm</a></p>
<b>Physics</b>	<p><b><u>Length and time</u></b></p> <ul style="list-style-type: none"><li>Use ruler and measuring cylinders to determine the length or volume.</li><li>Use clocks and devices for measuring an interval of time</li><li>Use micrometre screw gauge to measure thickness.</li></ul>	<ul style="list-style-type: none"><li>Wrapping a length of thread 10 times round a boiling tube, measuring the length of thread and then calculating the circumference of the tube.</li><li>Timing 20 swings of a pendulum to find the period.</li></ul>	<p>Unit 4: Past Paper Question Alternative to Practical1 IGCSE Physics Coursebook CD-ROM Activity Sheet 1.1</p>



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	<ul style="list-style-type: none"><li>• Measure and describe how to measure a short interval of time (including the period of a pendulum)</li></ul> <p><b>Describing Motion</b></p> <ul style="list-style-type: none"><li>• Calculate the area under a speed/time graph to work out the distance travelled for motion with constant acceleration</li><li>• Demonstrate some understanding that acceleration is related to changing speed</li><li>• State that the acceleration of free fall for a body near to the Earth is constant.</li><li>• Distinguish between speed and velocity</li></ul>	<ul style="list-style-type: none"><li>• Define speed and velocity calculate speed from total distance/total time</li><li>• Plot and interpret a speed/time graph or a distance/time graph</li><li>• Recognize from the shape of a speed/time graph when a body is<ul style="list-style-type: none"><li>○ at rest</li><li>○ moving with constant speed</li></ul></li></ul>	<p>Some good work on velocity and acceleration with animations for student use: <a href="http://www.fearofphysics.com/Xva/xva">www.fearofphysics.com/Xva/xva</a></p> <p>Make your own space shuttle: <a href="http://www.nasaexplores.com/">www.nasaexplores.com/</a></p> <p>Stopping distances can be found from: <a href="http://www.driveandstayalive.com/info%20section/stopping-distances.htm#stop-dist-table-for-dry-road">www.driveandstayalive.com/info%20section/stopping-distances.htm#stop-dist-table-for-dry-road</a></p> <p>Instructions here for a fun investigation involving ideas around terminal velocity:</p>
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	<ul style="list-style-type: none"><li>Describe qualitatively the motion of bodies falling in a uniform gravitational field with and without air resistance (including reference to terminal velocity)</li></ul>		<a href="http://www.school.discovery.com/lessonplans/">www.school.discovery.com/lessonplans/</a>
<b>Chemistry</b>	<p><b>The particulate nature of matter</b></p> <ul style="list-style-type: none"><li>Explain interconversion in terms of the kinetic particle theory.</li><li>Describe and explain diffusion.</li><li>State evidence for Brownian motion</li><li>Describe and explain dependence of rate.</li></ul>	<ul style="list-style-type: none"><li>Demonstrate sublimation by heating ammonium chloride in an evaporating dish and collecting the solid on the sides of an inverted filter funnel above the dish.</li><li>Simulation explaining Brownian motion</li></ul>	<a href="https://www.bbc.co.uk/bitesize/guides/zthyj6f/revision/1">https://www.bbc.co.uk/bitesize/guides/zthyj6f/revision/1</a> <a href="https://sites.google.com/site/internationalgcsechemistry/year-9-topics/states-of-matter">https://sites.google.com/site/internationalgcsechemistry/year-9-topics/states-of-matter</a> <a href="https://www.youtube.com/watch?v=4m5JnJBq2AU&amp;t=1s">https://www.youtube.com/watch?v=4m5JnJBq2AU&amp;t=1s</a>



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	<p><b>Experimental Techniques</b></p> <ul style="list-style-type: none"> <li>• Describe paper chromatography</li> <li>• Interpret simple chromatograms</li> <li>• Assessing purity by melting and boiling point information</li> <li>• Explain methods of purification by the use of a suitable solvent, filtration, crystallisation and distillation</li> </ul>	<ul style="list-style-type: none"> <li>• Experimental work like purification of an impure solid.</li> <li>• Demonstration of the purification process distillation and performing filtration and crystallisation.</li> </ul>	<p><a href="https://www.bbc.co.uk/bitesize/guides/ztxwtv4/revision/4">https://www.bbc.co.uk/bitesize/guides/ztxwtv4/revision/4</a></p> <p><a href="https://sites.google.com/site/igcsechemistry2017/home/year-9-topics/9-1-prior-knowledge/9-01-2-methods-of-separation">https://sites.google.com/site/igcsechemistry2017/home/year-9-topics/9-1-prior-knowledge/9-01-2-methods-of-separation</a></p> <p><a href="https://www.youtube.com/watch?v=peofSydfTpo">https://www.youtube.com/watch?v=peofSydfTpo</a></p>
<p><b>Biology</b></p>	<p><b><u>Characteristics of living organisms:</u></b></p> <ul style="list-style-type: none"> <li>• To define the basic characteristics of living organisms</li> </ul>	<ul style="list-style-type: none"> <li>• Prepare a mind map showing various characters of living organisms.</li> <li>• Construct a chart or a leaflet to distinguish between the various groups of living things.</li> <li>• Develop a maze/ puzzle/word search on classification of living things</li> </ul>	<p><a href="http://sciencenetlinks.com/lessons/classify-that/">http://sciencenetlinks.com/lessons/classify-that/</a></p> <p><a href="https://www.tes.com/teaching-resource/classification-of-living-things-card-sort-activity-6425292">https://www.tes.com/teaching-resource/classification-of-living-things-card-sort-activity-6425292</a></p>





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	<ul style="list-style-type: none"><li>• To describe the characteristics of living organisms.</li></ul> <p><b><u>Concept and use of a classification system:</u></b></p> <ul style="list-style-type: none"><li>• To state the importance of classification and to define species.</li><li>• To define and describe the binomial system of nomenclature and its importance.</li><li>• To explain that classification systems aim to reflect evolutionary relationships.</li><li>• To explain that the sequences of bases in DNA</li></ul>	<ul style="list-style-type: none"><li>• Research on the history of classification.</li><li>• Make an easy study tool like chip-chop to study the classification.</li><li>• Consider the real-life examples and give the scientific names of some local organisms.</li><li>• Create a dichotomous key using their knowledge on the topic.</li></ul>	<p><a href="https://www.pinterest.com/pinningteacher/classifying-living-things/?lp=true">https://www.pinterest.com/pinningteacher/classifying-living-things/?lp=true</a></p> <p><a href="https://www.pinterest.com/pin/431923420500564105/">https://www.pinterest.com/pin/431923420500564105/</a></p> <p><a href="https://www.pinterest.com/pin/431923420496678124/">https://www.pinterest.com/pin/431923420496678124/</a></p> <p><a href="http://shapeoflife.org/sites/default/files/SoL-Lesson-Classification-comm.pdf">http://shapeoflife.org/sites/default/files/SoL-Lesson-Classification-comm.pdf</a></p> <p><a href="http://www.cpalms.org/Public/PreviewResourceLesson/Preview/128826">http://www.cpalms.org/Public/PreviewResourceLesson/Preview/128826</a></p> <p><a href="https://www.pinterest.com/pin/560064903642722842/">https://www.pinterest.com/pin/560064903642722842/</a></p> <p><a href="http://www.saps.org.uk/secondary/teaching-resources/826-binomial-system">http://www.saps.org.uk/secondary/teaching-resources/826-binomial-system</a></p>
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	<p>are used as accurate means of classification.</p> <ul style="list-style-type: none"><li>• To explain that organisms that share a more similar DNA sequence recent ancestor than that of a distant ancestor.</li><li>• To list the features various group of organisms including vertebrates and invertebrates and viruses as well.</li><li>• To construct and use simple dichotomous keys based on the identifiable features.</li></ul>		<p><a href="http://study.com/academy/lesson/binomial-nomenclature-definition-classification-system.html">http://study.com/academy/lesson/binomial-nomenclature-definition-classification-system.html</a> <a href="https://oregonstate.edu/trees/dichotomous_key.html">https://oregonstate.edu/trees/dichotomous_key.html</a></p>
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<b>Food and Nutrition</b>	<ul style="list-style-type: none"> <li>• An understanding of the terms used in nutrition and nutrition-related problems</li> <li>• Composition and value of the main foods in the diet- Sources of protein (dairy products, eggs, fish, meat, soya); cereals (maize, millets, oats, rice, wheat); fruits and vegetables, including pulses and nuts; fats and oils.</li> </ul>	<ul style="list-style-type: none"> <li>• Write a sentence using each of the key words which are used in food lessons so you know how to use them in conversation.</li> <li>• Make a paper or video recipe of how to make a healthy version of a normally unhealthy meal</li> </ul>	<a href="https://www.eatforhealth.gov.au/food-essentials/five-food-groups">https://www.eatforhealth.gov.au/food-essentials/five-food-groups</a> <a href="http://vikaspedia.in/health/nutrition/nutritive-value-of-foods/nutritive-value-of-cereals-and-millets">http://vikaspedia.in/health/nutrition/nutritive-value-of-foods/nutritive-value-of-cereals-and-millets</a>
<b>Economics</b>	The Nature of the Economic Problem	<ul style="list-style-type: none"> <li>• Research on examples of the economic problem in the contexts of: consumers; workers; producers; and governments and create a mind map – using mind meister.com</li> <li>• State ten scarce resources – using a padlet link.</li> <li>• Why are resources scarce? Discuss and write down your ideas. Prepare a poster using Canva.com</li> </ul>	<a href="https://www.tutor2u.net/economics/reference/basic-economic-problem-quizlet-activity">https://www.tutor2u.net/economics/reference/basic-economic-problem-quizlet-activity</a> <a href="https://www.economicshelp.org/blog/15276/economics/examples-of-economic-problems/">https://www.economicshelp.org/blog/15276/economics/examples-of-economic-problems/</a>



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			<a href="https://www.youtube.com/watch?v=1cYMW5d_bn4">https://www.youtube.com/watch?v=1cYMW5d_bn4</a>
<b>Accounting</b>	Accounting Concepts	<ul style="list-style-type: none"> <li>• Research and identify difference between Accounting and Book keeping. If you are starting a business of your own make a chart of accounting and financial records that you may need to keep.</li> <li>• Evaluate the use of Computers in Accounting in modern times.</li> <li>• Interview one or two small business owners you are familiar with and collect details of their financial accounting.</li> <li>• Make a glossary of ten basic Accounting terms and present these for classroom displays.</li> </ul>	<b>Useful Website:</b> <a href="http://www.dineshbakshi.com">www.dineshbakshi.com</a> <a href="#">IGCSE Accounting by Catherine Cocoum</a> <a href="#">Financial Accounting by Frank Wood</a> <a href="http://www.tutor2u.net">www.tutor2u.net</a> <a href="http://www.bized.co.uk">www.bized.co.uk</a>
<b>Business Studies</b>	Forms of Business Organizations Marketing	<ul style="list-style-type: none"> <li>• Explain with simple illustrations, how division of labour or specialization could be used to make food products.</li> <li>• Explain the possible advantages and disadvantages of using division of labour (or specialization of labour) to the business you choose.</li> <li>• Present your findings in form of a Prezi.</li> </ul>	<a href="http://www.bized.co.uk">www.bized.co.uk</a> <a href="http://www.tutor2u.net">www.tutor2u.net</a> <a href="#">Interviews and Local newspapers and magazines. IGCSE Business Studies Text Books;</a> <a href="http://www.tutor2u.net">www.tutor2u.net</a> , <a href="http://www.dineshbakshi.co.uk">www.dineshbakshi.co.uk</a> ;



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			<a href="http://www.xtremepapers.net">www.xtremepapers.net</a> ; <a href="http://www.cie.org.uk">www.cie.org.uk</a> ; by Karen Barrington and Peter Simpson; <a href="http://www.bized.co.uk">www.bized.co.uk</a>
<b>Travel and Tourism</b>	Travel& Tourism in the UAE	<p><b>Task A:</b> Identify and provide examples of the main travel and tourism component activities present in the UAE. Place these into suitable categories, such as:</p> <ul style="list-style-type: none"> <li>- entertainment</li> <li>- travel</li> <li>- transport</li> <li>- catering</li> <li>- accommodation</li> <li>- sport and leisure</li> <li>- other visitor attractions</li> </ul> <p><b>Task B</b> Research Career opportunities within each category by interviewing someone in the travel and tourism industry.</p>	<a href="#">UAE's tourist or visitor guide</a>  <a href="#">UAE Tourist Board's Destination Manual</a>  <a href="#">Internet sites, e.g., local attractions and destinations.</a>  <a href="#">the Columbus Guide to World Tourist Attractions</a>
<b>Sociology</b>	Research Methods and Theories	<ul style="list-style-type: none"> <li>• On what basis do researchers decide on which approach to use while conducting a research</li> </ul>	Sociology course book



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		<ul style="list-style-type: none"> <li>• A comparison chart on the different approaches to research.</li> </ul>	
<b>Psychology</b>	Introduction to Psychology	<ul style="list-style-type: none"> <li>• Research on the goal of psychology, schools of thought in psychology, key persons in the field of psychology.</li> <li>• Present your findings in the form of mind map, flow chat, or model.</li> </ul>	Refer to the below links: - <a href="https://ocw.mit.edu/ans7870/9/9.00SC/MIT9_00SCF11_text.pdf">https://ocw.mit.edu/ans7870/9/9.00SC/MIT9_00SCF11_text.pdf</a> <a href="http://dept.clcillinois.edu/psy/IntroductionToPsychologyText.pdf">http://dept.clcillinois.edu/psy/IntroductionToPsychologyText.pdf</a>
<b>Geography</b>	Weather and Climate Equatorial region and Tropical Desert	<ul style="list-style-type: none"> <li>• Investigate the methods to use the various weather instruments.</li> <li>• Distinguish between the Tropical desert and equatorial region.</li> </ul>	<a href="http://www.weatherwizkids.com/?page_id=82">http://www.weatherwizkids.com/?page_id=82</a> <a href="https://www.earthonlinemedia.com/ebooks/tpe_3e/climate_systems/tropical_desert.html">https://www.earthonlinemedia.com/ebooks/tpe_3e/climate_systems/tropical_desert.html</a>
<b>History</b>	What were the motives and aims of the 'Big Three' at Versailles?	<ul style="list-style-type: none"> <li>• Watch <a href="https://www.youtube.com/watch?v=vrYhLNQMRro">https://www.youtube.com/watch?v=vrYhLNQMRro</a></li> <li>• And produce personal charts of the aims and motives of the Big Three at the Paris Peace Conference in 1919.</li> </ul>	Cambridge IGCSE and O level History Option B: The 20 <sup>th</sup> Century second edition by Ben Walsh



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<b>Global Perspectives</b>	Written Component- Demographic change	<ul style="list-style-type: none"><li>• Explore the key issues and perspectives in the topic- Demographic change.</li><li>• Use the internet to research the issues.</li><li>• Create a presentation in your suitable format-video, google slides, Prezi, short video about the key issues in Demographic change.</li></ul>	Various internet sources as selected by learner.  Relevant videos.
<b>Environmental Management</b>	Ecosystem	Research on any one of the topics: <ul style="list-style-type: none"><li>• How are new predators introduced into an area? Where has this happened in the United States?</li><li>• How is the ecosystem of your backyard different from the ecosystem of another person's backyard ecosystem?</li><li>• How is a desert ecosystem different from a forest ecosystem?</li><li>• What is the history and impact of manure?</li><li>• How are different types of manure good or bad?</li><li>• How has the popularity of sushi impacted the earth?</li></ul>	<a href="https://www.frontiersin.org/articles/10.3389/fevo.2014.00087/full">https://www.frontiersin.org/articles/10.3389/fevo.2014.00087/full</a> <a href="https://www.omicsonline.org/ecosystem/research-articles.php">https://www.omicsonline.org/ecosystem/research-articles.php</a>



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<b>ICT</b>	<ul style="list-style-type: none"><li>To create spreadsheets using MS EXCEL, and explore entering formulas, sort data and format cells</li></ul>	<p>Microsoft <b>Excel</b> is a spreadsheet program <b>used</b> to store and retrieve numerical data in a grid format of columns and rows. <b>Excel</b> is ideal for entering, calculating and analysing company data such as sales figures, sales taxes or commissions.</p> <ul style="list-style-type: none"><li>Create the layout for spreadsheet data model</li><li>Enter formulae and simple function in spreadsheets</li><li>Manipulate the data</li><li>Test the data model</li><li>Sort the data model</li><li>Change the display and the format of cells</li><li>Change the size of row and column</li><li>Adjust the page orientation</li></ul>	<p><a href="http://www.aceit-training.com">www.aceit-training.com</a> <a href="https://www.youtube.com/watch">https://www.youtube.com/watch</a> <a href="https://www.udemy.com/excel-quickstart/">https://www.udemy.com/excel-quickstart/</a></p>
<b>Computer Science</b>	<p>Binary Systems</p> <ul style="list-style-type: none"><li>To convert decimal numbers into binary and hexadecimal numbers</li></ul>	<ul style="list-style-type: none"><li>Practise converting between binary and decimal and back again. A good resource for practicing binary number conversions is the Cisco Binary Game.</li><li>Discuss about ASCII chart to see how these different number systems are used to represent the symbols on the keyboard.</li></ul>	<p><a href="https://www.computerscience.guru/theory/converting-hexadecimal-to-binary">https://www.computerscience.guru/theory/converting-hexadecimal-to-binary</a></p>





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	<ul style="list-style-type: none"> <li>To explore about ASCII codes</li> <li>To create pseudocode for converting between base system</li> </ul>	<ul style="list-style-type: none"> <li>Develop a pseudocode that can be used to convert between any base system and our decimal number system.</li> <li>Create a report on these algorithms that can be presented and shared with others.</li> </ul>	<a href="https://www.bbc.co.uk/bitesize/guides/zwsbwmn/revision/3">https://www.bbc.co.uk/bitesize/guides/zwsbwmn/revision/3</a>
<b>Physical Education</b>	Skeletal system	<ul style="list-style-type: none"> <li>Find out how does the Skeleton contribute to performance in Sport.</li> <li>Find out what are the different movements taking place in different joints while playing a game.</li> </ul>	<a href="http://www.teachpe.com">www.teachpe.com</a> <a href="http://www.britishschoolofboston.org">www.britishschoolofboston.org</a> <a href="http://www.cie.org.uk">www.cie.org.uk</a> <a href="http://www.innerbody.com">www.innerbody.com</a> <a href="http://www.physicaleducation.co.uk">www.physicaleducation.co.uk</a>
<b>Art</b>	Engagement and experimentation with a range of media, materials and techniques, including new media where appropriate	<ul style="list-style-type: none"> <li>Investigate, analyse, experiment, interpret, practical exploring of technical and expressive skills which aid effective and independent learning.</li> </ul>	<a href="http://www.studentartguide.com">www.studentartguide.com</a>
<b>French</b>	Conjugaison: <ul style="list-style-type: none"> <li>le passé composé/ le conditionnel</li> </ul>	<ul style="list-style-type: none"> <li><b>Writing:</b> Spend 20 to 30 minutes daily to practise writing referring to the topics shared in (voculaires). Every task should be 100 to 150 words.</li> </ul>	<a href="https://drive.google.com/drive/folders/1cS2dQsfgy_Q4jBNyWU3e_sJevLui-0R">https://drive.google.com/drive/folders/1cS2dQsfgy_Q4jBNyWU3e_sJevLui-0R</a> <a href="http://www.igcsecenter.com">www.igcsecenter.com</a>



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	<p>présent/l'imparfait/le future simple</p> <p>Grammaire:</p> <ul style="list-style-type: none"> <li>les articles décontractés/les adjectifs possessifs/les adjectifs interrogatifs/la comparaison</li> </ul> <p>Vocabulaires:</p> <ul style="list-style-type: none"> <li>L'environnement/ à l'aéroport/Au restaurant/Les vacances/Faire le shopping</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Listening :</b> Spend 45 minutes (weekly) to practise listening referring to different topics (<a href="http://www.IGCSECENTER.COM">www.IGCSECENTER.COM</a>) -past exam paper, using marking schemes for self marking.</li> <li>• <b>Reading :</b> Spend 60 minutes (weekly) to practise reading referring to different topics (<a href="http://www.IGCSECENTER.COM">www.IGCSECENTER.COM</a>) -past exam paper, using marking schemes for self marking.</li> <li>• <b>Speaking :</b> Spend 30 minutes (weekly) to practice speaking referring to different topics (Role play card) (<a href="http://www.IGCSECENTER.COM">www.IGCSECENTER.COM</a>) -Past exam paper, using marking schemes for self marking.</li> </ul>	<p><a href="http://www.BonjourdeFrance.com">www.BonjourdeFrance.com</a>  <a href="http://www.Francaisfacile.com">www.Francaisfacile.com</a>  <a href="https://www.lepointdufle.net/p/vocabulaire-themes.htm">https://www.lepointdufle.net/p/vocabulaire-themes.htm</a>  <a href="https://www.coursfrançaisfacile.com/2019/02/vocabulaire-français-facile-liste.html">https://www.coursfrançaisfacile.com/2019/02/vocabulaire-français-facile-liste.html</a>  <a href="https://bonjourdefrance.com/index/indexvocab.html">https://bonjourdefrance.com/index/indexvocab.html</a>  <a href="https://la-conjugaison.nouvelobs.com/">https://la-conjugaison.nouvelobs.com/</a>  <a href="https://www.bonjourdefrance.com/index/indexmisesit.html">https://www.bonjourdefrance.com/index/indexmisesit.html</a>  <a href="https://www.loecsen.com/fr/cours-français">https://www.loecsen.com/fr/cours-français</a>  <a href="https://www.youtube.com/watch?v=1wQBLJlvPY">https://www.youtube.com/watch?v=1wQBLJlvPY</a></p>
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<p>Arabic (Arabs)</p>	<p>قصيدة ذكرى جدتي أن يشرح النص شرحًا إجماليًا أن يحلل النص تحليلًا أدبيًا في حياة طفلة أن يحدد الفكرة الرئيسة والأفكار الداعمة في النص الاستعارة أن يتعرف الاستعارة ويوظفها في كتابته الأدبية</p>	<p>يكتب الطالب موضوعًا وصفياً عن أهمية علاقة الأحفاد بالأجداد.. يكتب الطالب موضوعًا عن أهمية المكتبة المدرسية ودورها في إغناء ثقافة الطالب ولغته، مستخدمًا الاستعارة والتشبيه.</p>	<p><a href="https://www.annahar.com/article/209572-%D8%A8%D9%8A%D9%86-%D8%A7%D9%84%D8%A3%D8%AC%D8%AF%D8%A7%D8%AF-%D9%88%D8%A7%D9%84%D8%A3%D8%AD%D9%81%D8%A7%D8%AF-%D8%B9%D9%84%D8%A7%D9%82%D8%A9-%D9%84%D9%86-%D9%8A%D9%81%D9%87%D9%85%D9%87%D8%A7-%D8%A7%D9%84%D8%A2%D8%A8%D8%A7%D8%A1">https://www.annahar.com/article/209572-%D8%A8%D9%8A%D9%86-%D8%A7%D9%84%D8%A3%D8%AC%D8%AF%D8%A7%D8%AF-%D9%88%D8%A7%D9%84%D8%A3%D8%AD%D9%81%D8%A7%D8%AF-%D8%B9%D9%84%D8%A7%D9%82%D8%A9-%D9%84%D9%86-%D9%8A%D9%81%D9%87%D9%85%D9%87%D8%A7-%D8%A7%D9%84%D8%A2%D8%A8%D8%A7%D8%A1</a> <a href="http://www.alkhaleej.ae/alkhaleej/page/5cc8ce72-d624-4a0a-9e44-abb64d71f0b6">http://www.alkhaleej.ae/alkhaleej/page/5cc8ce72-d624-4a0a-9e44-abb64d71f0b6</a></p>
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			<a href="https://www.youtube.com/watch?v=H3nEHIqxFqc">https://www.youtube.com/watch?v=H3nEHIqxFqc</a>
<b>Islamic Education (Arabs)</b>	سورة الكهف (8-1)- القرآن المكي والمدني حفظ سورة الكهف من الايات 8-1 أن يفسر معاني المفردات أن يشرح سبب نزول سورة الكهف أن يفرق بين القرآن المكي والمدني	يبحث ويكتب عن أهمية سورة الكهف في حياة المسلمين ولماذا جعلنا الله نقرأها كل يوم جمعة. استنتج الدروس المستفادة. يكتب بحثا عن أسباب نزول سورة الكهف قارن بين الميزات المختلفة للقرآن الكريم المكي والمدني	<a href="https://www.youtube.com/watch?v=OWjhIEHCkPE">https://www.youtube.com/watch?v=OWjhIEHCkPE</a>



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<b>Islamic Education (Non-Arabs)</b>	Surah Al Kahf (1-8) Makkan and Madinian Quran <ul style="list-style-type: none"><li>• To read the ayat and interpret their meanings in their own words</li><li>• To explain the reason of revelation of Surah Al Kahf</li><li>• To define Makkan and Madinian Quran</li><li>• To explain the distinctive features of the Makkan and Madanian Quran</li></ul>	<ul style="list-style-type: none"><li>• Search and write a about importance of Surah Al Kahf in Muslim's life and why Allah made us read it every Friday. Infer the lessons learned.</li><li>• Compare and contrast the different features of Makkan and Madinian Quran.</li></ul>	<a href="https://www.youtube.com/watch?v=OWjhIEHCkPE">https://www.youtube.com/watch?v=OWjhIEHCkPE</a>
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<b>Moral Education</b>	Aspects of Equality Among People	<b>Acts of Kindness and Compassion</b> <ul style="list-style-type: none"><li>• Discuss with family members how acts of kindness are the opposite of bullying, as they help others to feel comfortable and valued instead of feeling upset.</li><li>• Describe an act of kindness that he or she showed towards another person, and that person's response to it.</li><li>• Plan over a week, to show compassion towards at least one other family member.</li><li>• Discuss with family members these acts at the weekend, asking the following question:<ul style="list-style-type: none"><li>➤ How do you feel when you show compassion?</li><li>➤ How are the acts of kindness very important and valuable, and deserve appreciation?</li><li>➤ How can carrying out such acts increase a person's self-esteem?</li></ul></li></ul>	<a href="https://26313252-986486660976945322.preview.e-ditmysite.com/uploads/2/6/3/1/26313252/med_sb_g08_en_27_sep_digital.pdf">https://26313252-986486660976945322.preview.e-ditmysite.com/uploads/2/6/3/1/26313252/med_sb_g08_en_27_sep_digital.pdf</a> <a href="https://www.goodcharacter.com/middle_school/respecting-others/">https://www.goodcharacter.com/middle_school/respecting-others/</a> <a href="#">Moral education text book</a>
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		<ul style="list-style-type: none"><li>• How should empathy, self-esteem and social responsibility be exercised in the community and the world?</li><li>• How do you treat people equally?</li></ul>	
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