



Aim High Study Progress Programme
Year 10
March 2026

Area for learning	Focus	Activities	Useful Websites/Apps
English 1st Language	<ul style="list-style-type: none"> To understand the meaning of irrecoverable debts and recovery of debts written off To prepare ledger accounts and journal entries to record irrecoverable debts To explain the reasons for maintaining a provision for doubtful debts. To prepare ledger accounts and journal entries to record the creation of, and adjustments to, a provision for doubtful debts. 	Research on Causes of Irrecoverable Debts. In your presentation, discuss the various approaches for recovering debts that have been written off. Provide real-world examples of organizations dealing with irrecoverable debts and debt recovery. Highlight successful debt recovery stories and lessons learned from failure.	www.dineshbakshi.com www.cie.org.uk www.myaccountinglab.com https://www.investopedia.com/terms/b/baddebt.asp
English	<ul style="list-style-type: none"> To be able to develop academic vocabulary. 	Encourage the student to have his or her own blog. There are several free blog sites that make it easy to get started. Writing for an audience gives kids a	



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<p>2nd Language</p>	<ul style="list-style-type: none"> • To develop effective article writing skills. • To develop complex sentence structure. • Structuring a Paragraph focusing on effective P.E.E. 	<p>meaningful purpose — a reason to use their developing reading and writing skills.</p> <ul style="list-style-type: none"> • Build a climate of words at home. Share experiences and rich talk about those experiences. The basis of good writing is good talk. • Indulge in discussion with the student on various topics like- <ul style="list-style-type: none"> ➤ Is developing nuclear energy for commercial use justified? ➤ Is censoring the media effective? ➤ Should all students have an after-school job? • Homework should be banned. Ask the student to research more on the topics and draw mind maps based on his/her findings. Give your feedback and then prompt him to write an article giving a suitable title. 	<p>https://busyteacher.org/15985-7-must-know-reading-strategies-esl-students.html</p>
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English Literature	<ul style="list-style-type: none"> To analyse the impact of historical background on a novel. 	<p>Research on the following:</p> <ul style="list-style-type: none"> Analyse the historical background of the novel you have selected for paper 1. <p>How do the origin, culture and traditional values impact the following:</p> <ul style="list-style-type: none"> development of the novel development of characters stage directions imagery and symbolism 	<p>https://www.languagehumanities.org/what-is-the-connection-between-literature-and-history.htm</p>
Mathematics (Accelerated)	<p>Revision based on IGCSE syllabus:</p> <ul style="list-style-type: none"> Number Percentages, Fraction, Ratio and Proportion, Sets, Estimation, Bounds, Standard form Algebra Algebraic representation and formulae, expanding, 	<p>Revision based on peer teaching.</p> <p>Create a formula booklet/mind map based on each strand</p>	<p>http://www.explainingmaths.com/how-to-graph-inequalities.html</p> <p>https://www.mathsisfun.com/sets/venn-diagrams.html</p> <p>https://corbettmaths.com/2016/08/07/venn-diagrams/</p>



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	<p>simplifying, factorizing, framing and solving linear, quadratic and simultaneous equations, Solving and graphing inequalities, linear programming, graphs of functions, indices, sequences, functions, variation and differentiation.</p> <ul style="list-style-type: none"> • Shape and space Angle properties, Similarity, construction, Trigonometry, Mensuration, Symmetry, Vectors, Transformations. • Handling data Statistical representations and measures, Probability, Cumulative frequency curve, Histogram, Stem and leaf 	<p>Solve past papers with appropriate timing.</p>	<p>www.bbc.com/bitesize/guides/zt6vcj6/revision/5</p> <p>www.mathsisfun.com/geometry/solid-geometry.html</p> <p>https://www.onlinemathlearning.com/cumulative-frequency-graph.html</p> <p>https://www.mathsisfun.com/data/histograms.html</p> <p>https://www.savemyexams.co.uk/notes/cie-igcse-maths-new/7-vectors-transformations-cie/7-1-vectors-cie/7-1-1-vectors-basics-cie/</p>
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Mathematics (Extended)	<ul style="list-style-type: none"> To calculate Volume and surface area of Prisms using appropriate methods and show your working to an agreed standard. To calculate the surface area and volume of pyramid. To calculate the surface area and volume of combined shapes. 	<p>Research on how surface area and volume are used in real life scenarios like “During disaster relief, surface area is minimised to reduce material cost, while volume is maximised to store more water.”</p>	<p><u>How To Calculate Surface Area - GCSE Maths - Steps & Examples</u></p> <p><u>Pyramid - GCSE Maths - Steps, Examples & Worksheet</u></p> <p><u>4-volume-of-a-prism.pdf</u></p>
Mathematics - Statistics	<ol style="list-style-type: none"> To draw and interpret scatter graphs To draw line of best fit for the scatter graphs. To find the mean point and equation of line of best fit. 	<p>Spent on Homework vs. Test Scores</p> <ul style="list-style-type: none"> Activity: Track the number of hours spent studying or completing homework assignments over a set period of time, and record your test scores. How: Create a scatter plot with hours spent studying on the x-axis and test scores on the y-axis. 	<p><u>https://studywell.com/data-presentation-interpretation/correlation-scatter-diagrams/</u></p> <p><u>https://datatab.net/statistics-calculator/charts/create-scatterplot</u></p>



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		<ul style="list-style-type: none"> • Objective: You can test whether there's a positive correlation between the amount of time spent on homework and the test scores. <p>1. Using Correlation to Find Patterns in Your Daily Activities</p> <ul style="list-style-type: none"> • Activity: Track your daily activities for a week—hours spent sleeping, hours on social media, hours of physical exercise, etc. • How: Collect data on these various activities and then plot scatter diagrams to see how one activity (e.g., hours of sleep) correlates with another (e.g., hours spent exercising). • Objective: You can learn if certain activities have positive, negative, or no correlations. 	<p>https://www.bbc.co.uk/bitesize/guides/zmt9q6f/revision/3</p> <p>https://www.techtarget.com/whatis/definition/extrapolation-and-interpolation</p> <p>https://www.analyticsvidhya.com/blog/2021/03/comparison-of-pearson-and-spearman-correlation-coefficients/</p> <p>https://journals.lww.com/anesthesia-analgesia/fulltext/2018/05000/correlation_coefficients_appropriate_use_and.50.aspx</p>
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<p>Physics</p>	<p><u>Radioactivity</u></p> <p>Demonstrate the understanding of background radiation</p> <p>Characteristics of The Three Kinds Of Emission</p> <p>Identify α, β and γ-emissions by recalling – their nature</p> <ul style="list-style-type: none"> – their relative ionising effects – their relative penetrating abilities (β^+ are not included, β^--particles will be taken to refer to β^-) <p>Atomic model</p>	<p>Research on:</p> <ul style="list-style-type: none"> ❖ The means of detection α, β and γ-emissions. <p>Research on:</p> <ul style="list-style-type: none"> ❖ Create a list of questions based on Bloom's taxonomy to Practice balancing of nuclear reactions. 	<p>https://www.bbc.co.uk/bitesize/articles/znf4xg8#zbcqfdm</p> <p>https://edpuzzle.com/media/65f734ef94ce4e2b41c2062e</p> <p>https://edpuzzle.com/media/662ef5a4a7ab5978d0007fc6</p> <p>Properties: www.bbc.co.uk/schools/gcsebitesize/science/ocr_gateway_pre_2011/iving_future/4_nuclear_radiation1.shtml</p>
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	<p>Describe the structure of an atom in terms of a positive nucleus and negative electrons</p> <p>Nucleus</p> <ul style="list-style-type: none"> • Describe the composition of the nucleus in terms of protons and neutrons • State the charges of protons and neutrons • Use the term proton number Z Use the term nucleon number A 		<p>Radioactivity: http://fiziknota.blogspot.com/2010/01/radioactivity.html</p> <p>https://edpuzzle.com/media/653e727796c3e1401c7a3d17</p>
<p>Chemistry</p>	<p>Extraction of Metals</p> <p>-To elaborate, the extraction of aluminium from bauxite ore</p>		<p>http://www.steel.org/making-steel/how-its-made/processes/how-a-blast-furnace-works.aspx</p>

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	<p>-To justify the role of cryolite in the extraction of aluminium.</p> <p>-To construct half cell reactions at the respective electrodes.</p>	<p>Design and present an infographic poster using CANAVA /Glogster on the topic- Diagrammatic representation of Al production.</p> <p>Create a game or design a quiz on Kahoot to assess the understanding of the students for the topic: Extraction of metals by electrolysis</p>	<p>http://www.bbc.co.uk/schools/gcsebitesize/science/add_ocr_pre_2011/chemicals/extractionmetalsrev1.shtml</p> <p>http://www.csun.edu/~ml727939/coursework/695/rusting%20rates%20of%20iron%20nails/rusting%20rates%20of%20iron%20nails.htm</p>
<p>Biology</p>	<p><u>Transport in mammals</u></p> <ul style="list-style-type: none"> Describe the circulatory system as a system of blood vessels with a pump and valves to ensure one-way flow of blood. Identify the structures of the mammalian heart, limited to the muscular wall, the septum, the left and right 	<ul style="list-style-type: none"> Construct an infographic poster on how the blood is pumped Students will construct a fact sheet on circulatory system and its importance. Compare the structure of artificial and human hearts Explore the interaction of circulatory system with other body systems using a mind map. 	<p>https://www.savemyexams.com/igcse/biology/cie/23/revision-notes/9-transport-in-animals/9-1-circulatory-systems-heart-and-blood-vessels/9-1-1-circulatory-system/</p> <p>https://pmt.physicsandmathstutor.com/download/Biology/GCSE/Note</p>

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	<p>ventricles and atria, one-way valves and coronary arteries.</p> <ul style="list-style-type: none"> • To describe the difference between single and double circulation. • To explain the structure and function of heart. • To describe coronary heart disease in terms of the blockage of coronary arteries. • To plan an investigation to find out the effect of physical activity on the pulse rate. 	<ul style="list-style-type: none"> • Think like a scientist and research on the topic” Effects of gene mutation on structure and function of the red blood cell.” • Give some real-life examples for single and double circulation with appropriate description. • Create a TEDed lesson on coronary artery disease. • Students will carry out an investigation to find out the pulse rate, before and after exercises and prepare a report on it. • Students will calculate the heart beat in infants, children and adults and prepare a report on this investigation. 	<p>s/CIE-IGCSE/9-Transport-in-Animals/Summary%20Notes%20-%20Topic%209%20Transport%20in%20Animals%20-%20CAIE%20Biology%20IGCSE.pdf</p> <p>https://www.savemyexams.com/igcse/biology/cie/23/revision-notes/9-transport-in-animals/9-1-circulatory-systems-heart-and-blood-vessels/9-1-4-monitoring-activity-of-the-heart/</p>
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Economics	Role of government and macro- economic aims	Students research one country and identify how its government: <ul style="list-style-type: none"> • controls inflation • reduces unemployment • promotes economic growth • improves balance of payments 	https://www.bbc.co.uk/bitesize https://econplusdal.com/ https://www.imf.org/en/Education
Accounting	<ul style="list-style-type: none"> • To comprehend the meaning of irrecoverable debts and recovery of debts written off • To prepare ledger accounts and journal entries to record irrecoverable debts • To explain the reasons for maintaining a provision for doubtful debts. 	Research on Causes of Irrecoverable Debts. In your presentation, discuss the various approaches for recovering debts that have been written off. Provide real-world examples of organizations dealing with irrecoverable debts and debt recovery. Highlight successful debt recovery stories and lessons learned from failure.	www.dineshbakshi.com www.cie.org.uk www.myaccountinglab.com https://www.investopedia.com/terms/b/baddebt.asp

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	<ul style="list-style-type: none"> To prepare ledger accounts and journal entries to record the creation of, and adjustments to, a provision for doubtful debts. 		
Business Studies	<p>Role of Marketing; Market Changes; Business Response to Change; Niche vs Mass Marketing; Market Segmentation; Recommending Segmentation Methods</p>	<ul style="list-style-type: none"> Research on how businesses identify and satisfy customer needs to maintain customer loyalty and build long-term relationships. To examine how changes in customer spending patterns and increased market competition influence business responses, including product adaptation, market segmentation, and appropriate targeting strategies. 	<ul style="list-style-type: none"> <u>Cambridge IGCSE: Niche and Mass Marketing Explained</u> <u>Zainbooks: Marketing Segmentation Lesson</u>
Travel and Tourism	<p>To analyse the economic, environmental, and socio-cultural impacts of tourism in the UAE by identifying both positive contributions</p>	<p>Impact of Tourism: Critically evaluate the economic, environmental, and socio-cultural impacts of tourism in the UAE. To what</p>	<p>https://www.commitbiz.com/blog/tourism-industry-effects-on-the-uae-</p>

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	and negative consequences, supported with specific examples.	extent do the benefits of tourism outweigh the challenges it brings? Support your evaluation with specific examples from the UAE, considering both positive and negative effects.	economy?utm_source=chatgpt.com https://ivypanda.com/essays/tourism-impacts-on-dubai-positive-and-negative/?utm_source=chatgpt.com
Sociology	Crime and Deviance: To describe the agencies of social control and how they control individuals and prevent crime and deviance	Explain two ways the family acts as an agency of social control. Explain how formal and informal agencies of social control help to prevent crime and deviance. Evaluate which agency of social control is the most effective in preventing deviance.	Sociology Course book by Jonathan Blundell
Psychology	Research methods – -METHODS OF INVESTIGATION	“State one advantage and one limitation of questionnaires and one type of interview you would use for a school survey, with a brief reason.”	Edexcel GCSE Psychology Specification: Research Methods Section. - https://qualifications.pearson.com

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		Discuss how questionnaires/interviews can be used to understand student wellbeing or opinions in school.	om/en/subjects/psychology.html - British Psychological Society guidance on research ethics: https://www.bps.org.uk/psychologists/research-ethics
History	<p>Rise of Bolsheviks:-</p> <p>To compare War Communism with New Economic Policy compare and contrast War Communism with New Economic Policy</p>	<p>“War Communism and the New Economic Policy had more differences than similarities.” How far do you agree?</p> <p>How far did the New Economic Policy represent a complete change in Bolshevik economic policy after 1921?</p> <p>Which policy was more successful in strengthening Bolshevik control of Russia: War Communism or the New Economic Policy? Explain your answer.</p>	History TB IGCSE and O level

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<p>Environmental Management</p>	<p>Human Activities and Greenhouse Gas Emissions- to identify and explain human activities that increase greenhouse gas emissions.</p>	<p>Explain how transport contributes to greenhouse gas emissions.</p> <p>“Burning fossil fuels is the main human activity responsible for increasing greenhouse gas emissions.” How far do you agree?</p> <p>“Economic development inevitably leads to higher greenhouse gas emissions.” Discuss this statement.</p>	<p>BBC Bitesize; Cambridge IGCSE EVM syllabus.</p>
<p>ICT</p>	<ul style="list-style-type: none"> To evaluate various Recognition systems used in our daily lives. To create Reports in Access 	<ul style="list-style-type: none"> Describe how automated number plate recognition (ANPR) systems can be used in smart traffic management systems. Your description should include how ANPR is used and how the data gathered by ANPR would 	<p>www.igcseict.info</p>

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		<p>be used in traffic management control and monitoring.</p> <ul style="list-style-type: none"> Evaluate the use of Biometrics in UAE airports 	
Computer Science	<p>Topic: Virtual Memory, Cloud Storage</p> <p>Learning Objective (Aim High):</p> <ul style="list-style-type: none"> Explain how virtual memory extends to a computer's physical RAM and how it affects program execution. Explain and evaluate the concept, the purpose, and advantages of cloud storage. 	<p>Students design a computing solution for a school computer lab.</p> <p>Task:</p> <ul style="list-style-type: none"> Recommend how virtual memory should be configured. Decide whether cloud storage should be implemented. 	<p><u>Cloud Storage - Cortex</u></p> <p><u>IGCSE Computer Science 0478:</u> <u>3. Hardware: 3.3 Data storage </u> <u>Teaching Resources</u></p>

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		<ul style="list-style-type: none"> Justify decisions based on performance, cost, and security. 	
Physical Education	Research about the benefits of working to improve aspects of physical, mental and social well-being.	The students are requested to create a presentation or poster about the benefits of exercise, activity and sport on mental, physical and social well-being. Students are requested to create video about health benefits of having a routine.	www.cie.org.uk
Art	AO2 and AO3	To develop a range of compositions. 4x4 works (one A4 work in a week) Manipulate images to develop compositional ideas into a work.	www.studentartguide.com

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<p>French</p>	<ul style="list-style-type: none"> • Manger équilibré • Comment rester en forme • Une vie saine • Les adverbes de fréquence 	<p>Writing: Students are requested to make a blog about "What is your plan to stay healthy"?</p> <p>Speaking: Students are requested to make a podcast about "What is your plan to stay healthy"?</p> <p>Reading: Structured reading tasks about the same topic.</p> <p>Listening: Structured listening tasks about the same topic</p>	<p>https://www.livhospital.com/fr/15-conseils-bonne-sante-bien-manger-mieux-vivre https://santepubliquemontreal.ca/conseils-et-prevention/conseils/alimentation-saine-et-durable https://www.who.int/fr/news-room/fact-sheets/detail/physical-activity IGCSE Past Papers CAIE PapaCambridge</p>
<p>Arabic (Arabs)</p>	<ul style="list-style-type: none"> • أدب الرحلات (رحلة ابن بطوطة إلى الصين) • قصيدة أغنية حب للكلمات 	<p>ولي الأمر المحترم، شجع ابنك على أن</p> <ul style="list-style-type: none"> • يصف رحلة ابن بطوطة إلى الصين وما رآه فيها • استخلاص القيم والمهارات من الرحلة • يحلل كيف وصف ابن بطوطة أهل الصين • يحلل عاطفة الشاعر في الأبيات • ينثر الأبيات نثرًا أدبيًا موضحًا الفكرة الرئيسية 	<p>رحلة ابن بطوطة إلى الصين - موضوع</p> <p>https://serai-uae.com/file/64/#1</p> <p>حل درس أغنية حب الكلمات لغة عربية صف تاسع فصل ثاني - مدرستي الامارتية</p>

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		<ul style="list-style-type: none"> • يستخرج مظاهر البلاغة من الأبيات • يحلل الأبيات تحليلاً لغوياً • يقارن بين بعض أبيات القصيدة وأبيات أخرى لهما نفس الغرض الشعري 	
Arabic (Non-Arabs)	قضايا معاصرة الأهداف	<ul style="list-style-type: none"> • encourage your child to create a short video about cyberbullying and how to stop it. • Encourage your child to design a small magazine about bullying, including pictures and simple sentences. • Encourage your child to prepare a poster about natural disasters and ways to stay safe. • Encourage your child to record an audio message about the importance of internet privacy. 	British Council – LearnEnglish Kids: Online Safety موقع يحتوي على أنشطة، فيديوهات وتمارين للأطفال حول السلامة على الإنترنت LearnEnglish Kids – <u>Online safety (British Council)</u> https://www.youtube.com/watch?v=P5W-UDFFNlg&t=36s StopBullying.gov / National Resources on Cyberbullying موارد رسمية من الحكومة الأمريكية تشمل دليل، فيديوهات، نصائح للآباء والمعلمين عن

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		<ul style="list-style-type: none"> • Encourage your child to write and illustrate a short story about living together with others peacefully. • Encourage your child to create a simple presentation about contemporary issues and their effects on society. 	<p>التنمر والجرائم الإلكترونية. StopBullying.gov – Cyberbullying Resources</p> <p>التقرير عن الكوارث العالمية 2022 – IFRC تقرير شامل عن الكوارث حول العالم من اتحاد جمعيات الصليب الأحمر والهلال الأحمر. (PDF) تقرير الكوارث العالمية 2022 – IFRC</p>
Islamic Education (Arabs)	اقتراح حلول مشكلة البطالة مستخدماً تعبيرات الاقتراح	<p>1. اكتب تعريفاً دقيقاً لـ “الأمن والأمان” في الإسلام. 2. استخرج من القرآن آية تؤكد هذا المفهوم. 3. فسّر الآية وبين أثر الأمن على السلوك الفردي.</p> <p>1. بين علاقة الأمن بتماسك المجتمع.</p> <p>2. اذكر مثلاً من السنة أو التاريخ الإسلامي يوضح ذلك.</p> <p>3. اقترح سلوكيات تعزز الأمن الاجتماعي في الحي أو المدرسة.</p>	<p>https://seraj-uae.com/file</p> <p>https://units.imamu.edu.sa https://seraj-uae.com/file/2545/</p> <p>https://u.ae/ar-ae/information-and-services/justice-safety-and-</p>

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		<p>سلوكيات تهدد الأمن وكيف نواجهها</p> <p>اذكر ثلاثة سلوكيات تهدد الأمن في المجتمع.</p> <p>2. حلل الآثار السلبية لكل سلوك.</p> <p>3. اقترح حلولاً تطبيقية واقعية.</p>	<p><u>the-law/justice-safety-and-we-the-uae-2031-vision</u></p>
<p>Islamic Education (Non-Arabs)</p>	<p>شرح تأثير الجرائم الإلكترونية</p>	<ul style="list-style-type: none"> • Real-Life Observation Activity Students observe behavior in a local market or public place (or recall a recent visit) and write down two good etiquettes they noticed and one etiquette that could be improved. • Role-Play or Scenario Writing Students create a short role-play script or write a short paragraph showing correct and incorrect behavior in the market or when 	<p><u>https://prezi.com/p/2a7-npgphs3/etiquette-in-the-market-and-public-utilities/</u></p>

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		using public utilities, then explain the correct etiquette.	
Moral Education	<p>Topic: Exploring the UAE Constitution and Understanding the Government System in the UAE</p> <p>Learning Objective:</p> <ul style="list-style-type: none"> To identify the main features and activities of the five federal authorities in the UAE. 	<p>Activities</p> <p>Encourage discussion of creating a constitution to apply in the classroom</p>	<p>https://u.ae/en/about-the-uae/the-uae-government/the-federal-government</p>
PSHCEE	<p>Topic: Exam Stress</p> <p>Learning Objective:</p> <ul style="list-style-type: none"> To discuss about the potential effects of exam stress on our physical and emotional wellbeing, and ways to manage it. 	<p>Activities:</p> <ul style="list-style-type: none"> Encourage discussions on the effect of exam stress to the overall wellbeing of a person. Give three tips on how to manage exam stress. 	<p>https://www.concordia.ca/cunews/offices/provost/health/topics/stress-management/exam-stress.html</p>