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Area for learning	Focus	Activities	Useful Websites/Apps
English 1 st Language	<u>Summary Writing</u> <ul style="list-style-type: none">● To be able to summarize using higher order connectives.● To be able to select only the key points from the text.● To analyse techniques a writer uses to create an effect.	<ul style="list-style-type: none">● Follow the link mentioned and understand the summary writing tips● You must try to summarise any of the novels that you have recently read or the movie that you have watched into one single paragraph.● Students could refer to any book that they have read recently. They will choose any descriptive paragraph and attempt to write an analysis of the techniques employed by the author and the effect it creates upon the readers.	IGCSE 0500: Effective Summary Writing – Young Scholarz



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<p>English 2nd Language</p>	<p><u>Reading & Writing</u></p> <ul style="list-style-type: none">● To skim and scan the passage and answer the questions appropriately.● To demonstrate the ability to extract relevant information from a wider range of texts, including magazines and newspapers likely to be read by young people.● To identify the important points or themes within an extended piece of writing.● To draw conclusions from and see relations within an extended text.	<ul style="list-style-type: none">● Practice reading every day. Read different fields/ different genre of writing to improve your vocabulary.● Take note all new words and learn them.● Practice reading techniques - scanning, skimming, intensive and extensive reading.● Write summary of the articles published in newspaper or magazine.● Attempt reading comprehension passages.● Attempt note-making exercises● Attempt form filling exercises	<p>IGCSE ESL Resources Free exercises to be successful in the new exam (esleschool.com)</p>
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Mathematics (Additional)	<u>Circular measure and Trigonometry</u> <ul style="list-style-type: none"> • Use relationship between radians and degrees • Use formulae for arc length and sector area of a circle 	<p>Identify the units commonly used for angles. Why the use of radians?</p> <p>Find the exact values of trigonometric functions. Deduce a way to remember these.</p>	<p>https://www.intmath.com/trigonometric-functions/8-applications-of-radians.php</p> <p>https://en.wikibooks.org/wiki/High_School_Trigonometry/Applications_of_Radian_Measure</p>
Mathematics (Extended)	Differentiation Learning objective: <ul style="list-style-type: none"> • To calculate the gradient at two or more point on a curve. • To determine the coordinates of a point when the gradient is given • To apply differentiation to calculate the gradients and turning points • To discriminate between the maximum and minimum points 	<ul style="list-style-type: none"> • Analyse and calculate the gradient at two or more points on the curve • Create an Equations and Sketch the graph for a curve that has three turning points for the given equation. • For a given equation of a curve decide whether the turning point is a maximum or a minimum 	<p>https://www.youtube.com/watch?v=BcOPKQAZcn0</p> <p>https://www.youtube.com/watch?v=yhNKawQHB1k</p> <p>https://www.youtube.com/watch?v=LhhfphnOsUY</p> <p>https://www.youtube.com/watch?v=94DZjW_zKnE</p>



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Physics	<p><u>Simple kinetic molecular model of matter</u></p> <ul style="list-style-type: none">State the distinguishing properties of solids, liquids and gasesRelate the properties of solids, liquids and gases to the forces and distances between molecules and to the motion of the molecules	<ul style="list-style-type: none">Explain kinetic molecular theory with examples.Support worksheets on the mentioned topics (past paper questions)	<ul style="list-style-type: none">Kinetic Theory CIE IGCSE Physics Revision Notes (savemyexams.co.uk)GCSE Physics - Particle Theory & States of Matter #25 - Bing video
Chemistry	<p>Topics: Alcohols and Carboxylic acids:</p> <ul style="list-style-type: none">To outline the physical and chemical properties of alcohols and carboxylic acids.To elaborate the method for the formation of esters and their uses.	<ul style="list-style-type: none">Create a concept map to compare the trends in physical and chemical properties of alcohols and carboxylic acids.Design and present an infographic poster using CANAVA / Glogster to describe the 2 methods of manufacturing alcohol.Research on advantage and disadvantage of the two methods of manufacturing alcohol.Research on how esterification is done and mention its uses.	<ul style="list-style-type: none">https://www.bbc.co.uk/bitesize/guides/z2jndxs/revision/3https://www.youtube.com/watch?v=3YeXGpDdgZwhttps://www.savemyexams.co.uk/notes/igcse-chemistry-cie-new/14-organic-chemistry/14-2-functional-group-chemistry/14-2-3-alcohols/



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<p>Biology</p>	<p><u>Control and coordination</u></p> <ul style="list-style-type: none"> Correlate the significance of synapse and types of neurotransmitters. <p><u>Biotechnology</u></p> <ul style="list-style-type: none"> Elaborate the procedures involved in genetic engineering. <p><u>Homeostasis</u></p> <p>Explain dialysis in terms of salt balance, the maintenance of glucose concentration.</p>	<ul style="list-style-type: none"> Create an infographic poster on various sense organs and its role as a receptor of stimulus. Schematically explain how genetically modified organisms are made. Elaborate on the functioning of dialysis. (Include the important processes involved and the diagrams). 	<ul style="list-style-type: none"> https://www.bbc.com/bitesize/guides/ztjrng8/revision/3 https://www.youtube.com/watch?v=EQu4MSIPVwY www.s-cool.co.uk/gcse/biology/homeostasis/revise-it/dealing-with-kidney-failure
<p>Food and Nutrition</p>	<ul style="list-style-type: none"> Frozen foods Herbs and Spices Left-over Food Convenience food 	<ul style="list-style-type: none"> Compare the nutritional information and benefits between Fresh and Frozen food. Note the meals with frozen foods from different countries including UAE. Note the Origin of Herbs and spices and how is the spice trading done in UAE Food is something we all take for granted and it is easy to forget how much food we waste. Find how much food is wasted in your community and in UAE. Help to combat the Food wastage. 	<ul style="list-style-type: none"> https://www.nestle-family.com/en/article/key-keeping-frozen-food-fresh https://ivaluefood.com/resources/cooking-eating/creative-ways-to-use-leftovers/ https://www.britannica.com/topic/list-of-herbs-and-spices-2024392



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<p>Economics</p>	<ul style="list-style-type: none"> To analyse why Governments impose taxes To evaluate the importance of demand and supply-side policies 	<ul style="list-style-type: none"> Revise the topics covered so far from the IGCSE Syllabus. Answer all Paper 1 Questions – Multiple choice questions from the Taxes Unit – Indirect and Direct Taxes from the workbook. Answer all Past paper questions from IGCSE past papers from May/June 2016 – 2020. <p>Answer case studies on the government’s demand and supply side policies, Write a note on the importance of supply-side policies to the economy.</p>	<p>www.wikipedia.org/wiki/Economic_growth</p>
<p>Business Studies</p>	<ul style="list-style-type: none"> To Understand and analyse What motivates employees to work. All the motivation theories. What makes some companies great places to work for. 	<ul style="list-style-type: none"> Prepare a report (200 words) on any two from following. <ol style="list-style-type: none"> Research on how google keeps its employees motivated and how is it one of the best companies to work for. How Kelloggs uses all the types of motivational theories to keep its employees motivated. 	<ul style="list-style-type: none"> http://fortune.com/best-companies/ https://simplebooklet.com/userFiles/a/4/0/3/8/1/fPtCc8yAAggL9aiw9hXspT/FkwYrwdG.pdf https://www.thebalancecareers.com/how-great-



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		<p>3. What makes sales force the number one company to work for and what it does for the welfare of its employees.</p> <p>4. How does Boston consultancy group keep its employees motivated and has a low attrition rate.</p>	<p>managers-motivate-their-employees-1918772 Newspapers and Magazines</p>
Travel and Tourism	<ul style="list-style-type: none">• Different time zones and climates.• Pricing Strategies	<ul style="list-style-type: none">• Time Zone and climate condition for a particular destination.• Explain how the following two factors may affect pricing decisions.	<p>www.igcsecentre.com Past Papers Local travel Magazines Textbook www.tutor2u.net</p>



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Accounting	<ul style="list-style-type: none">To consolidate all the IGCSE Topics covered so farTo develop independent problem-solving skills	<ul style="list-style-type: none">Revise all the topics covered so far in the IGCSE syllabus.Based on the gap analysis complete the un - attempted structured questions from the Pre-Mock examinations.Complete all MCQ questions on the topics covered so far.Practice question from past paper 2016 – 2020 (Feb/March and May/June series).	www.xtremepapers.com www.dineshbakshi.com www.cie.org.uk www.myaccountinglab.com
Sociology	<p><u>Social Inequality:</u></p> <p>To explain the main features of inequality and how it is created</p>	Research and find out the main forms of welfare provided by the government in UAE and compare it to the forms of welfare provided in your home country	https://www.youtube.com/watch?v=GcVBM-6DQrg https://www.youtube.com/watch?v=ja15pIDBEHc
Psychology	Sleep & Dreaming- Function of sleep.	Research the functions of sleep. Create a detailed mindmap using coggle.	The 4 Stages of Sleep (NREM and REM Sleep Cycles) (verywellhealth.com)



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Geography	To analyse how greenhouse effect is caused.	Research on how the MEDCs countries are controlling the carbon emission.	https://www.geographyalltheway.com/igcse_geography/economic_development/environmental_risk/environmental_risk.htm
History	To analyse the impact of economic policies of Lenin	Research on the reasons for adoption and impact of War Communism and New Economic Policies.	Reference Resources and links are uploaded on phoenix resource folder.
Global Perspectives	Law and Criminality	Use various online resources to investigate the topic Law and criminality. This topic is one of the topics designated for component 1- Written Exam. Investigate the following: <ul style="list-style-type: none">• Preventing crime• Rehabilitating criminals• Justice• Justice and development• Punishing crime• Dealing with international law	Research sources are selected by the learner



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		<ul style="list-style-type: none">• Surveillance <p>You should understand various perspectives on these issues, the causes, consequences, why these are important issues, courses of action.</p> <p>Create an outcome to show the various aspects of your learning. This can be a short video or series of posters.</p> <p>Include your citation of sources.</p>	
Environmental Management	HUMAN POPULATION	<p>Use the internet to investigate the topic:</p> <ul style="list-style-type: none">• Causes of population change• Human population distribution and density and factors influencing this• Population structure of LEDCs vs MEDCs and their likely consequences• Managing human populations-strategies to manage population growth	<p>https://www.thegeographeronline.net</p> <p>https://www.internetgeography.net > igcse-geography</p>



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		<p>Task:</p> <p>Create your own revision notes in any format suitable for you for example flash cards.</p>	<p>https://www.geographyalltheway.com</p>
ICT	<p><u>Application of ICT</u></p> <ul style="list-style-type: none">• To describe a range of measurement applications• To explain the difference between analogue data and digital data• To explain the need for conversion between analogue and digital data• To describe the use of microprocessors and computers in a number of applications	<p>In every walk of life, computers are being used as measuring device and controlling device. Life is automated to a large extent.</p> <p>Help your child to research on the various range of measuring applications used around us. Create a report, specifying following concepts:</p> <ul style="list-style-type: none">• Explain various measurement applications (e.g., scientific experiments, weather stations)• Explain the difference between analogue data and digital data• Explain the need for conversion between analogue and digital data	<p>https://www.ictlounge.com/html/sensors_new.htm</p> <p>https://www.igcseict.info/theory/2/sensor/index.html</p>



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		<ul style="list-style-type: none">Describe the use of microprocessors and computers in a number of applications (e.g. pollution monitoring, intensive care units in hospitals)	https://www.teach-ict.com/gcse_new/control/control/tasks_control.htm
Computer Science	<p><u>Programming language</u></p> <p>Students will be able to analyze features of high level and low-level language.</p>	<p>Python is a programming language that lets you work more quickly and integrate your systems more effectively. You can learn to use Python and see almost immediate gains in productivity and lower maintenance costs.</p> <ul style="list-style-type: none">Support your child to analyse features of compiled and interpreted languages.Research on different types of compiled languages.Motivate your child to explore the importance of pydoc feature in programming language.	<p>Interpreted vs Compiled Programming Languages: What's the Difference? (freecodecamp.org)</p>



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PE	Fitness, Components of fitness	Make a fitness chart for a football player including weight training, skill workouts and tournaments.	https://www.bbc.co.uk/bitesize/guides/z734jxs/test
ART	Prime focus AO2 and AO3	To develop the knowledge and understanding OF ALL TRIALS AND PRACTICE PIECES through sustained practical application to realise personal intentions.	https://issuu.com/va-da/docs/igcse_assessment_criteria_new www.studentartguide.com



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French	<ul style="list-style-type: none">• Je voudrais une glace à la vanille• Les articles indéfinis• Je vais au restaurant• Le conditionnel présent• Les expressions de quantité• Jours de fêtes• Le passé composé• On fait la fête avec les copains• Une occasion spéciale.• l'accord au passé composé	<p><u>Writing:</u></p> <ul style="list-style-type: none">– To write an argumentative and descriptive text about inviting your friends to eat outside to celebrate an event (birthday party...). <p><u>Speaking:</u></p> <ul style="list-style-type: none">– To record (podcast/video) about inviting your friends to eat outside to celebrate an event (birthday party...). <p><u>Reading:</u></p> <p>https://www.cambridgeinternational.org/Images/415217-2020-specimen-paper-2.pdf</p> <p>https://www.lepointdufle.net/p/fetes.htm</p>	<p>https://www.lepointdufle.net/p/fetes.htm</p> <p>https://www.cambridgeinternational.org/Images/415217-2020-specimen-paper-2.pdf</p> <p>https://français.lingolia.com/fr/vocabulaire/jours-de-fetes/lanniversaire/texte-lanniversaire</p> <p>https://www.lettres-gratuites.com/modele-lettre-invitation-anniversaire-1970.html</p> <p>https://français.lingolia.com/en/grammar/tenses/le-passe-compose</p>
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Arabic (ARABS)	<p>طرق تحسين الكلام</p> <p>التحسين اللفظي</p> <p>التحسين المعنوي</p> <p>التشبيه التمثيلي</p>	<p>يفتح المعلم باب الحوار المنظم للاستماع إلى ملاحظات الطلاب حول المفاهيم النحوية التي تعلموها</p> <p>قم بعمل خريطة ذهنية -</p> <p>عرض صور مختلفة بعنوان شاهد صف عبر ويقوم الطلاب بوصف الصور بطريقة مجازية والتعليق أو مناقشة وحوار حول التشبيهات والدخول منها الى موضوع الدرس</p> <p>تعميق الفهم عن طريق عرض مجموعتين من الامثلة والمقارنة بينهما من حيث المعنى - والدلالة . مجموعة فيها أنواع التشبيه الاستنتاج للقاعدة -</p> <p>تقسيم الطلاب الى مجموعات تستخرج تؤولف جمل فيها تشبيه تمثيلي – تستخدم كلمات - في عمل جمل اتشبيهية - تحويل التشبيه التام الى تشبيه تمثيلي والعكس المقارنة بين الاستعارة والكناية والتشبيه -</p> <p>كتابية موضوعات ابداعية مستخدما التشبيه بأنواعه - إجراء اختبار ختامي قصير للتأكد من مستوى التعلم لدى الطلاب من خلال ورقة عمل</p>	<p>https://www.youtube.com/watch?v=SpoYZcznElQ</p> <p>https://www.youtube.com/watch?v=Oxy4vJwcKes</p> <p>https://www.youtube.com/watch?v=0DfAojRrk9c</p>
Islamic Education (Arabs)	<p>الاعجاز العلمي في القرآن الكريم</p> <p>الأهداف:</p> <p>أن يبين المقصود بالاعجاز</p> <p>أن يستنتج دور القرآن الكريم والاعجاز</p>	<p>يحفظ سورة الاحزاب</p> <p>يحرص على اتباع القرآن الكريم</p> <p>اكتب بحثا عن الاعجاز العددي في القرآن في الاسلام</p> <p>اكتب موضوعا الاعجاز الحيواني في القرآن الكريم</p>	<p>https://www.youtube.com/watch?v=Yrp5z2QvGl8</p>



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<p>Islamic Education (Non Arabs)</p>	<p><u>The Holy Quran and the Scientific Miracles</u></p> <ul style="list-style-type: none">-Define the concept of scientific miracles-Compare scientific miracles to scientific exposition-Clarify the importance of scientific miracles	<p>Write an essay or a journal report about Miracles in Al Quran Al Kareem.</p>	<p>https://www.youtube.com/watch?v=erGmdSPQ1xs</p>
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