



Area for learning	Focus	Activities	Useful Websites/Apps
English 1 st Language	Descriptive / Narrative Writing To practise the various skills that are needed for the IGCSE exam	 Watch the movie A beautiful mind and attempt the following. Write a descriptive piece on any one scene of your choice. Write a narrative piece by changing any one act of the movie Imagine that you are Russell Ira Crowe, write an interview based on your experience during the making of the movie 	http://viooz.co/movies/1473-a-beautiful-mind-2001.html
English 2 nd Language	Reading ComprehensionArticle Writing	 Read any article from a newspaper or magazine. Ask them to write a summary of 100 words picking out the key points from the article. Research using the internet on the precise vocabulary and terms needed to write the article on Expo 2020 Write an article on Expo 2020 and its effects on the toursim in UAE. Prepare a power point presentation on the same topic. 	www.gulfnews.com www.englishforeveryone.org





Mathematics (Extended)	 Simultaneous Equation Linear And Non Linear. To derive and solve simultaneous equations where one equation is linear and the other is quadratic. 	 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. Research on the use of simultaneous equations to decide on your best investment option, taking into account the duration of the investment, the interest it will accrue, as well as other variables that will affect the end result. 	https://www.onlinemathlearnin g.com/simultaneous-linear- quadratic-2.html https://www.bbc.co.uk/bitesize/ guides/ztbty4j/revision/6 https://www.ditutor.com/syste m/simultaneous nonlinear.html
Mathematics (Core)	Sequences To generate a sequence an d to find the nth term of a sequence Simultaneous Equations To solve simultaneous equations algebraically and graphically Area and Perimeter of Compound Shapes	 A car rental company charges a base rate to rent a car plus an ad ditional fee based on how many miles driven Research on how sequences is applied in this. Research on the real life applications of simultaneous equations. Make a plan for a house and calculate its area and volume. 	https://www.youtube.com/watch?v=zxQPCLa9UhI https://www.examsolutions.net/tutorials/exam-questions-arithmetic-sequences-and-series/ https://mathsmadeeasy.co.uk/gcse-maths-revision/areas-of-





	To calculate the area an d perimeter of compoun d shapes		shapes-gcse-revision-and- worksheets/
Additional Mathematics	 Differentiation To calculate the gradient at a point on a curve, given its equation To find the equations of the tangent and normal to a curve at a point. To locate maximum and minimum points on the graph To interpret a derivative as a rate of change of one variable with respect to another. 	 How do you find maximum and minimum points using differentiation? Make notes to summarize learning that includes solved examples. Apply the basic integration rules in finding the function, given its derivative. Can you get more than one function when you integrate? Why? Research on the significance of constant of integration. Research on the real life applications of integration. 	nced-level-maths-revision/pure-maths/calculus/differentiation https://www.britannica.com/science/analysis-mathematics/Calculus#ref73179 6 https://www.intmath.com/applications-differentiation/applications-





	 To use second derivatives to distinguish minimum and maximum points Integration: To integrate functions which can be expressed as sums of powers of x To evaluate a definite integral To use definite integrals to find areas To find volume of a revolution about either X or Y axis. 	Research on how calculus is applied in kinematics.	https://www.mathsisfun.com/ca lculus/integration- introduction.html https://www.bbc.com/bitesize/g uides/zgxttfr/revision/1 https://revisionmaths.com/adva nced-level-maths-revision/pure- maths/calculus/integration
Physics	Momentum • To understand that mass is	Research on • Speed limits are different for different vehicles.	http://www.scienceclarified.com/everyday/Real-Life-Chemistry-
	the property of a body that resists change in motion	Collision between two lumps of clay thrown head on.	Vol-3-Physics-Vol- 1/Momentum.html





	To relate force with momentum		http://www.physicsclassroom.co m/class/momentum/Lesson- 1/Real-World-Applications
Chemistry	Carboxylic acids and Polymers: To outline the physical and chemical properties of alcohols and carboxylic acids To elaborate the method for the formation of esters and their uses To enlist the uses of carboxylic acids and polymers To explore, compare and contrast the types of polymerization with examples	 polymerization. Mention their uses. Activity 2: Use the link to compare the properties of carboxylic acids and know their chemical reactions for the manufacturing of esters. Mention their uses. Activity 3: Design and present an infographic poster using CANAVA / Glogster discussing that polymers are the necessary evils to humans. 	Nttps://www.youtube.com/watch?v=-d14DmSBuAQhttps://www.youtube.com/watch?v=VKmdYYPexbshttps://www.youtube.com/watch?v=LWxoDV-Ll8khttps://www.youtube.com/watch?v=3YeXGpDdgZwhttps://www.youtube.com/watch?v=uFZasZ-hs_A





To discuss and justify polymers are necessary evils to hur	ne	
Biology Inheritance To define homozy and heterozygous for a particular gene To define dominant recessive alleles and way they express To interpret ped diagrams for inheritance of a characteristic To use genetic diagrat to predict the results monohybrid crosses a calculate phenotypic ratios	 Inheritance Kinaesthetic activity: This activity will introduce test crosses and to solidify their understanding of dominant and recessive alleles. https://study.com/academy/lesson/monohybrid-dihybrid-cross-activities.html Students can practice problems related to outcomes of monohybrid cross using Punnett square. https://sciences.adelaide.edu.au/schools- 	https://www.youtube.com/watc h?v=nykVH9Z7Gw8 https://www.youtube.com/watc h?v=DxCIrv2q_Cc https://www.youtube.com/watc h?v=h2xufrHWG3E





	To use Punnett squares in crosses to explain co- dominance by reference to the inheritance of ABO blood groups		
Food and Nutrition	Revision of all topics in the syllabus	 An understanding of the terms used in nutrition and nutrition-related problems Nutritive value of foods Digestion and absorption Meal planning and dietary guidelines Composition and value of the main foods in the diet Cooking of food Convenience foods Basic proportions and methods of making 	http://www.eatingwell.com/cate gory/4287/meal-planning-101/ http://youtu.be/S12zZhdOckc bit.ly/use-by-or-best-before http://practicalaction.org/techni cal-briefs-schools-food practicalaction.org/zeer-pot- fridge http://youtu.be/ZNKifJHqScc practicalaction.org/solar-drying-
		 Raising agents Food spoilage and hygiene in the handling and storage of food Food preservation 	2 https://greatist.com/eat/ultimat e-list-kitchen-tools-healthy- cooking





		Kitchen planningKitchen equipmentKitchen safety, simple first aid	
Economics	 To analyse the differences in the population structure of developed vs developing countries. To discuss the reasons for different rates of growth of population in different countries and its impact 	 developing countries and analyse the reasons for the differences and its implications. Discuss the causes of different rates of growth of population and analyse the reasons thereof and its impact. Present your findings as a near pod lesson /sway presentation 	 www.bized.co.uk www.tutor2u.net www.dineshbakshi.com Newspapers and Magazines Text Book





Accounting	Analysis and Interpretation- To interpret and calculate the profitability, liquidity and efficiency ratios to carry out inter-firm comparisons		https://xplaind.com/421478/financial-ratios https://www.toppr.com/guides/accountancy/accounting-ratios/profitability-ratios/
Business Studies	Unit-2 Recruitment, selection and training of workers	Read the end of section case study on papers 128,129 and answer questions 1 and 2.	www.bized.co.uk www.cie.org.uk www.xtermepapers.net





	•	To analyse the importance of training and the different types of training. To evaluate the relevance of training to both the management and the employee		www.tutor2n.net Text Book
Travel and Tourism	•	To identify PRODUCT as a part of the Marketing Mix To identify PRICE as a part of Marketing Mix	Explain the stages in PLC. Also show the diagrammatical representation of the same. How do you develop a product portfolio in Travel industry? Investigate a range of common pricing policies used in travel and tourism industry. Explain all the Pricing Strategies.	Internet International tourism providers Textbook International tourism sites for booking





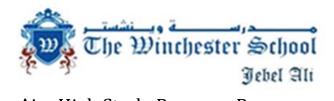
Sociology	Media: To discuss the influence of media and understand pluralist, Marxist, and postmodernist perspectives on the nature and role of media	Explain public service broadcasting and how it is different from privately owned media	www.sociology .org.uk Any other relevant source.
Psychology	Sleep and Dreaming	 Research on factors that affect sleeping and the relation to dream content Link Freud's Dream Analysis and ways to interpret dream. 	Psychology Textbook
Geography	Research on case studies related to temperature zones and human development index	 Explain the factors affecting climate of a place and how flora and fauna adapt to the tropical rainforest and hot desert climate. Research to be conducted on various indicators of development and specially the human development index. Case studies to be analysed and interpreted. 	https://www.weatheronline.co.uk/reports/wxfacts/The-Stevenson-Screen.htmhttps://nhpbs.org/natureworks/nwep8e.htmhttps://www.tutor2u.net/geography/reference/the-8-key-gap-indicators-of-development





History	How secure was the USSR's control over eastern Europe, 1948-1989?	 Research about USSR's control over Eastern Europe and answer the questions below. How successfully did the Soviet Union deal with the challenges in Eastern Europe to communist control between 1956 and 1981? Explain your answer. 	https://www.bbc.co.uk/bitesize/guides/zxprcdm/revision/2 https://prezi.com/oml3hltvycxz/soviet-expansion-in-eastern-europe/
		How far was the collapse of Soviet control over Eastern Europe due to influence of solidarity? Explain your answer.	
Global	Individual Research-IGCSE	Use the feedback and rubric shared by the teacher to re-write and	Not applicable
Perspectives	Global Perspectives component 1	 improve their IR. They will use this checklist before submission of the final IR to the teacher: Research question was approved by the teacher. The different perspectives are presented including personal, national and global perspectives Word count is not more than 2000 nor below 1500 The Report is analytical and evaluative rather than descriptive Possible scenarios and courses of action are clearly presented. 	Samples and Rubrics given in class.





Environmental Management	Data Analysis	 The Report includes a Personal Response that is Reflective and evidence based. The Report is free of plagiarism- all sources that were used are cited/Referenced using an accepted standard e.g. MLA Citation/Referencing Format. Practise past papers to interpret data analysis of: Population Structure Carbon Cycle Earthquake and volcanic eruptions Fishing industries. 	https://www.stat.berkeley.edu/~bri II/Papers/statisticsofearthquakes.pd f
ICT	Practical: Microsoft Expression To create webpages using Microsoft Expression Create anchors and hyperlinks in webpages Insert tables into web pages.	 Practise past papers on Microsoft expression and Database. Revision and Past paper practice. Watch videos for important concepts and peer assessments. 	www.igcseict.info





Database: To creareports i Perform calculation	report ons in access		
Science To use structure flowchar library subrouting given pro To exp Neuman and fetch To descri	ts, pseudocode, routines and nes to solve a blem olore the von	Show understanding that every computer system is made up of sub-systems, which in turn are made up of further sub-systems Use top-down design, structure diagrams, flowcharts, pseudocode, library routines and subroutines. Suggest and apply suitable test data. Explain the need for validation and verification checks to be made on input data. Identify errors in given algorithms and suggest ways of removing these errors. Produce an algorithm for a given problem (either in the form of pseudocode or flowchart) Comment on the effectiveness of a given solution.	http://www.zakonweb.com/zak content/OL%20- %20Computer%20Science%2022 10/OL%20-%20Content/OL%20- %20Paper%202/Notes/PDF%20F ormats/2.1/ http://www.zakonweb.com/zak content/OL%20- %20Computer%20Science%2022 10/OL%20-%20Content/OL%20- %20Paper%201/Notes/PDF%20F ormats/1.3.6%20Operating%20s ystems.pdf/





	computers and measures for preventing accidents	 Describe the purpose of an operating system Explain the purpose of using interrupts. Explore the von Neumann architecture Explore fetch execute life cycle Identify range of safety issues related to using computers and measures for preventing accidents Describe the potential health problems related to the prolonged use of ICT equipment 	https://www.ictlounge.com/htm l/effects of using ict.htm/
Physical Education	Theory and Coursework	 Practise your selected 4 games. Go through the IGCSE past papers for the revision. 	www.teachpe.com www.cie.org.uk www.physicaleducation.co.uk
Art	Present a personal and coherent response that realises intentions.	,	www.studentartguide.com
French	To revise most of the topic covered on IGCSE (to help the students to improve their vocabulary:	speech. (250-300 MOTS) Refer to the IGCSE criteria and the teacher feedback.	https://www.bonjourdefrance.c om/index/indexvocab.html?page =2





"I``environment,	la	https://help.cambridgeinternati
routine, le futur metie	r, le	onal.org/hc/en-
sport)		gb/articles/360000995449-FAQs-
To practise for the com	ing	for-IGCSE-French-Foreign-
exam (speaking: role p	lay,	Language-0520-7156-9-1-
general speech)		https://www.igcsecentre.com/ca
To support and guide	the	mbridge-igcse-past-exam-
student to finalise t	heir	papers/
writing speech)		





Arabic (Arabs)

أن يحدد الطالب الفكرة الرئيسة والأفكار الداعمة . والأفكار الداعمة . الزيام - طه حسين الأيام - طه حسين أن يحدد الطالب الفكرة الرئيسة والأفكار الفرعية . أن يحلل الطالب النص تحليلاً أدبيًا . حلل الربيع أن يحدد الطالب الفكرة الرئيسة والأفكار الفرعية . والأفكار الفرعية . والأفكار الفرعية . أن يحلل الطالب النص تحليلاً أدبيًا . والأسلوب يقارن بين نصين من حيث الأفكار والأسلوب

الفيس بوك

يذكر الفكرة العامة للنص ويحدد الأفكار الفرعية ويذكر الدليل. يقارن بين نصين من حيث الأفكار والأسلوب

> يوضح الفكرة الرئيسة والأفكار الداعمة. يذكر الفكرة العامة للنص وبحدد الأفكار الفرعية وبذكر الدليل.

> يوضح الفكرة الرئيسة والأفكار الداعمة. يقارن بين نصين من حيث الأفكار والأسلوب يذكر الفكرة العامة للنص وبحدد الأفكار الفرعية وبذكر الدليل.

https://ar.wikipedia.org/wiki/%D https://www.youtube.com/watc h?v=pAeLm-PjulU

https://www.youtube.com/watc

http://www.alnoor.





Islamic Education	صاحب الجنتين - الوقف عطاء ونماء . يشرح مفهوم الوقف •	- سيكلف الطالب بعض التكليفات – يحرص على حفظ سورة الكهف يحرص على العمل الخيرى دائما	tps://www.youtube.com/watch ?v=1GwlMOJay9c
(Arabs)	يبين فضل الوقف •		
		يكتب موضوعا عن دور الوقف في تنمية المجتمع	
	يوضح دور الوقف في خدمة	يكتب بحثا عن دور الامارت في رعاية شئون القصر	https://www.youtube.com/watc
	المجتمع		<u>h?v=LCdYHm5vdqw</u>
	يحلُل بعض دلالات الآيات		
	الكريمة		
	يحرصَ على القيمِ الَّتِي		
Islamic	The Prophet's Methodology in	Create a power point presentation on the methodology in	https://www.youtube.com/watc
Education	Da'wah	Da'wah in Muslim Community	h?v=REUjkRVpeWs
(Non Arabs)	To apply concept of prophet's methodology in Da'wah		
	 To apply the styles and characteristics of the prophet's methodology in Da'wah 		





To evaluate the effect of	https://www.youtube.com/watc
the prophet's	<u>h?v=zqHq16gFniU</u>
methodology in Da'wah in	
Muslim's life	
2- Faith in the Unseen	
To explain the importance	
of believing in the Unseen	
To find evidences of the	
expansive omniscience of	
Allah from the holy Qur'an	
To mention the benefits of	
the belief in the unseen	





Moral	•	To identify unsung heroes	•	Compare and contrast on any two unsung heroes and share	https://www.rethinkingschools.o
Education		and their impact to the		what their contributions are in the history.	rg/articles/teaching-about-
		course of history			<u>unsung-heroes</u>