



Area for learning	Focus	Activities	Useful Websites/Apps
English 1 st Language	Summary Writing To enhance summary writing skills	 Follow the link mentioned to understand the summary writing tips. Read the article on the second link and try to summarise the same in not more than 50 words. 	https://henriksenenglish.wikispa ces.com/file/view/Examiner+Tip s.pdf https://www.topgear.com/car- news/future-tech/its-future- robots-will-park-your-car- airport
English 2 nd Language	 Writing Skills To distinguish between formal and informal styles of writing To enhance listening and speaking skills of the students 	 Read newspaper and magazine articles. Read samples of formal and informal letters. Annotate the articles and letters to identify the use of a range of punctuation, vocabulary, connectives, complex sentence structures and variation in the length and structure of the sentences. Summarise the newspaper and magazine articles in your own words. 	http://www.wikihow.com/Write -an-Article-for-Your-School- Newspaper http://www.wikihow.com/Write -a-Magazine-Article http://www.writesmart.com.au/ pages/articles.php http://www.criminology.fsu.edu /penology/samplenewspaperarti cles.htm





		• Indulge in conversation on the current events, sports, movies or topics of your choice with your parents, friends, relatives and sometimes with strangers as well. Listen to their ideas, incorporate their ideas, add your own ideas and write articles or letters on these topics.	http://www.rcampus.com/rubric showc.cfm?sp=true&code=U397 CW& http://volweb.utk.edu/Schools/b edford/harrisms/letterrubric.ht m
English Literature	 To introduce learners to Gothic Literature To familiarise learners to Edgar Allen Poe 	definition for the same?	https://www.thoughtco.com/gothic-literature-2207825 https://www.invaluable.com/blog/elements-of-gothic-literature/https://owlcation.com/humanities/The-Gothic-Novel-Whatis-Gothic-Literaturehttps://www.bl.uk/romantics-and-victorians/themes/thegothic





Mathematics (Accelerated)	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 (Extended)	Circle theorems: To apply circle theorems and find the missing angles Mensuration: To derive the formula for arc length and calculate the perimeter of a sector To derive the formula for sector area and find the	 Take some large cut out circles. Label the centre, draw the diameter. Now try each circle theorem on these paper cut outs by drawing the required angles and lines. See whether each circle theorem holds true in any circle of any radius. Search for past paper questions on Circle theorems and try to solve them. Draw different sectors – quarter of a circle, semi-circle, one third etc. and try to derive the formula for arc length and sector area. 	https://www.mathsisfun.com/ge ometry/circle-theorems.html https://www.youtube.com/watc h?v=BDqELk2xCPU http://www.softschools.com/for mulas/math/arc_length_formula /143/





	 area of a segment in a circle To evaluate the volume of prisms, cylinders, sphere, cone and pyramids To evaluate the surface area of solids 	 Make a formulae booklet for arc length, sector area and volume of 3D shapes. Design a building involving sectors and arc. 	www.bbc.com/bitesize/guides/zt 6vcj6/revision/5 www.mathsisfun.com/geometry /solid-geometry.html www.mathopenref.com/surface- area.html
Physics	 Waves To distinguish between transverse and longitudinal waves. To describe wave motion with the help of wave fronts and represent Reflection and Refraction with wave fronts. To describe diffraction through a narrow gap. 	 Create a list of questions you would like to ask your teacher. Frame higher order questions using bloom's taxonomy. Real life applications of Diffraction Research on: The applications of gamma radiations and how it is used in Medicine. 	http://www.bbc.co.uk/schools/g csebitesize/science/ocr_gateway /home_energy/introduction_to wavesrev6.shtml https://www.youtube.com/watc h?v=7cDAYFTXq3E





	Electromagnetic Spectrum	• Draw diagrams representing reflection, refraction and	http://scienceprojectideasforkid
	 To analyse the main features of 	diffraction using wave fronts.	s.com/2010/sound-pitch-
	electromagnetic waves		loudness/
	and describe the roles of		http://earthsky.org/space/what-
	the different types of em waves.		<u>is-the-electromagnetic-spectrum</u>
	<u>Sound</u>		https://www.youtube.com/watc
	• To describe an experiment		h?v=J97YSCnU4KM
	to determine the speed of		
	sound in air.		
	• To relate the loudness and		
	pitch of sound wave to		
	amplitude and frequency.		
Chemistry	METALS AND REACTIVITY	• Carry out experiments based on the reaction of metals/non-	www.ptable.com/
	SERIES:	metals with oxygen and the reaction of metal oxides with	
	 To list the general physical 	carbon.	https://www.bbc.com/bitesize/g
	properties of metals and	• Carry out experiments based on the reactions of metals with water, steam and dilute mineral acids.	uides/zcxn82p/revision/1





the properties of metals

- To describe the reactivity series as related to the tendency of a metal to form its positive ion
- To account for the apparent unreactivity of aluminium

Extraction of Metals

- To elaborate. the extraction of aluminium from bauxite ore
- To justify the role of cryolite in the extraction of aluminium.

- general chemical Research on different alloys and their uses .Results to be presented on a poster.
 - Model a metallic structure using a shallow dish of water with detergent
 - Experiments based on reaction of calcium, magnesium with water; magnesium, zinc with steam; magnesium, zinc, iron with dilute hydrochloric acid.

Activity 1:

 Design and present an infographic poster using CANAVA /Glogster on the topic- Diagrammatic representation of Iron production in blast furnace.

Activity 2:

• Create a game or design a quiz on Kahoot to assess the understanding of the students for the topic: Extraction of metals by carbon reduction.

Activity 3:

• Plan an experiment to investigate the factors involved in rusting.

http://www.oxnotes.com/reacti vity-series-igcse-chemistry.html http://www.docbrown.info/page 03/Reactivityb.htm http://askmichellechemistry.blo gspot.com/2012/04/reactivityseries.html https://www.youtube.com/watc h?v=jVrelxSvHYc

http://www.steel.org/makingsteel/how-itsmade/processes/how-a-blastfurnace-works.aspx http://www.bbc.co.uk/schools/g csebitesize/science/add ocr pre 2011/chemicals/extractionmet alsrev1.shtml





	To construct half-cell reactions at the respective electrodes.		http://www.csun.edu/~ml72793 9/coursework/695/rusting%20ra tes%20of%20iron%20nails/rustin g%20rates%20of%20iron%20nail s.htm
Biology	 Human nutrition To describe the alimentary process involved in digestion. To describe the structure of human teeth, limited to enamel, dentine, pulp, nerves and cement, as well as the gums To describe the proper care of teeth in terms of diet and regular brushing To describe significance of chemical digestion in the 	 Make a report on the main sources of each type of nutrient in their own country and also compare how diets differ in other parts of the world. Conduct an experiment in your home showing the process of digestion (Banana sandwich experiment) and compare the ingredients with the parts of digestive system in your report. Conduct an experiment to show the effect of various food stuffs on your teeth. Research on the diseases caused by indigestion of food or food allergies. 	http://emedicine.medscape.com/article/1104623-overviewhttps://www.youtube.com/watch?v=zoBLC tn3f0https://youtu.be/aeml64NAK08http://luvprek.blogspot.ae/2011/02/toothy-eggsperiment.htmlhttps://youtu.be/15NXrnyT2HMhttp://acaai.org/allergies/types/food-allergy





alimentary canal in producing small, soluble molecules that can be absorbed

 To describe the roles of capillaries and lacteals in villi

Transport in plants

- To identify root hair cells, as seen under the light microscope, and state their functions
- To investigate, using a suitable stain, the pathway of water through the above ground parts of a plant
- To define translocation in terms of the movement of

- Conduct a simple experiment to show that transport of food is carried out by the phloem.
- Find out the hypothesis of the concept of uptake of water and minerals through various cells.
- Investigate the pathway of water flow in the stem using celery stem.
- Research on the transport of water and minerals in succulent plants.
- Conduct an experiment and make a report on limiting factors that affects the rate of transpiration.

http://www.thinkib.net/biology/ page/17721/vascular-tissuesintroduction-new-guide https://youtu.be/uK7l9YH0UiU https://youtu.be/3e95gAekR8s https://youtu.be/XC4Oh5My8VE https://youtu.be/EAymLKrrTP0 http://www.biologyreference.co m/Ta-Va/Translocation.html http://passel.unl.edu/pages/info rmationmodule.php?idinformati onmodule=1092853841&topicor der=6 http://www.thenational.ae/lifest vle/house-home/nicks-gardenhow-much-water-does-thatplant-need





	sucrose and amino acids in phloem. To describe the limiting factors for the rate of transpiration To investigate and describe the effects of variation of temperature and humidity on transpiration rate		
Food and Nutrition	Principles involved in the different methods of cooking – baking, boiling, braising, cooking in a microwave oven, frying, grilling, poaching, pressure cooking,	 Use different visual aids to show how water, light and air affect nutrients Cut out pictures of cooked foods from magazines and sort into groups of cooked and raw. Paste them onto card and design a game, (e.g., like snap or happy families) matching the raw and cooked foods. 	http://www.betterhealth.vic.gov .au/bhcv2/bhcarticles.nsf/pages/ Food processing and nutrition'. Food processing and nutrition'. http://www.choice.com.au/reviews-and-tests/food-and-health/food-and-drink/nutrition/are-fresh-vegies-





	roasting, simmering, steaming, stewing, use of a slow cooker.	Since fire was discovered, people have been cooking. Find out how fire was discovered and how it changed the way people prepared food.	better.aspx Are fresh veggies better?
	Reasons for cooking food.	 Design an experiment to see what happens to an egg when heat is applied. Adapt the <u>chocolate cake recipe</u> to make something different. 	
Economics	To explore different types of business organisations	 Research on at least 3 MNC's and mention there features. Choose 3 out of (these 5). Make a leaflet on Mc Donald's KFC Gucci Amazon Adidas 	www.tutor2u.net www.dineshbakshi.com www.s-cool.com





Accounting	To analyse and evaluate	Prepare a poster on below:	http://showmyupdates.blogspot.
	the purpose of preparing	Create a trading statement and profit and loss account of a pen	ae/2014/12/trading-profit-loss-
	financial statements.	manufacturing firm.	ac-and-balance-sheet_28.html
		Mention at least 20 entries including	https://www.youtube.com/watc
		Sales	h?v=T-imJYUi ug
		Sales Returns	http://www.moneycontrol.com/i
		Purchases	ndia/financials/tatamotors/profi
		Purchase Return	t-loss/TM03
		Credit Sales	http://www.investopedia.com/t
		Credit Purchases	erms/p/plstatement.asp
		Cash Entry	https://en.wikibooks.org/wiki/Ac
		Stationary entry	countancy/Books of Prime Entr
		Postage entry	У
		Bank entry	http://kfknowledgebank.kaplan.
		Now make the books of prime entry for your business.	co.uk/KFKB/Wiki%20Pages/Book
		Mention the business documents used by the company.	s%20of%20Prime%20Entry.aspx





Business Studies	To explore more about	 Prepare a power point presentation on the following: Mention at least three difference between mass and niche market with examples. Explain how same company can be a part of both the market. Or Prepare a Poster on market segmentation 	http://www.businessdictionary.com/definition/mass-marketing.html http://www.businessdictionary.com/definition/niche-marketing.html http://www.segmentationstudyguide.com/understanding-target-markets/niche-marketing/niche-marketing-examples/
Travel and Tourism	To identify the importance of quality customer service provided to tourists	 You are a Tourism provider located in Dubai. You are been contacted by some travelers who are interested in visiting some local tourist destination places. Make an Itinerary for them including the entertainment locations, time, and cost. Design a visitor survey form (feedback form) to get it filled by them at the end. 	IGCSE Syllabus book Textbook Internet sites





Sociology	Family • The influence of social stratification and ethnicity on family diversity.	 Design an advertisement to promote your sales incorporating the extra services that you will provide to the tourists (this will give you an edge over your competitors). Create a table and conduct an investigation into family types which exist in our society and how social stratification is related to family. Prepare a report. Research on -What is the difference between a family and a household? 	www.org.co.uk https://sites.google.com/site/ye ar11igcsesociology/revision- guides www.sociology.org.uk
Psychology	Incidence rates of addiction and the causes of addiction	Research on the rates of addiction and causes of addiction.	www.s-cool.co.uk https://www.ncbi.nlm.nih.gov/b ooks/NBK232973/, https://www .addictioncenter.com/addiction/ addiction-statistics/ and Edexcel textbook.
Geography	 Research on case studies related to coastal management and 	 Explain the soft and hard engineering techniques used to manage coastal areas. Conduct a research on various indicators of development and specially the human development index. 	https://www.bbc.co.uk/bitesize/ guides/z2ym82p/revision/2





	indicators of development.	Analyse and interpret case studies.	https://www.tutor2u.net/geography/reference/the-8-key-gap-indicators-of-development
History	Collapse of international peace by 1939	 Research about the causes for the collapse of International peace by 1939 and answer the questions below. https://www.youtube.com/watch?v=Q78COTwT7nE Which was more important in causing the Second World War: the flaws in the Treaty of Versailles or Hitler's foreign policy? Create a political cartoon/ comic strip explaining the contribution of Hitler to the collapse of international peace by 1939. 	https://prezi.com/ozepvjbz9jzk/ why-did-international-peace- collapse-by-1939/ https://www.ducksters.com/hist ory/world_war_ii/
Global Perspectives	Key Skills Sec. A Textbook	Practise the following using the textbook and other online relevant sources: Setting up a research How to identify key issues Identifying Causes and consequences Identifying information-Opinions, facts, value judgements, trends Identifying various perspectives	Textbook pages 6-60





ICT	harmful effects Computer Networking To analyse various types of network To define and illustrate how to configure a small network	 Develop a project, as a real life scenario of a company, on computer networking, highlighting Network Devices IP and the MAC Wi-Fi Bluetooth Types of internets and networks 	om/earthscience/chapter/minin g-and-mineral-use/ https://www.saylor.org//Comp uter-Networking-Principles- Bonaventure https://www.memorize.com/gra de-10-computer-networking
Environmental Management	Research on case studies related to human activities and their effects on natural ecosystem and how rocks and minerals are exploited and its	 Identifying and evaluating courses of action Questioning knowledge claims Questioning underlying beliefs Developing a line of reasoning Explain human activities affects the natural ecosystem. Conduct a research on how rocks and minerals are getting exploited and their harmful effects on the environment. 	https://byjus.com/biology/what-is-a-natural-ecosystem/ https://www.conserve-energy-future.com/various-types-natural-ecosystem.php https://courses.lumenlearning.c





	To list out networking issues	 Also discuss and help the child to research on how to set up and configure a small network. Research and read online to get information, but write in their own words after understanding. 	
Computer Science	 Logic Circuits To define the functions of NOT, AND, OR, NAND, NOR and XOR (EOR) gates, including the binary output produced from all the possible binary inputs To produce truth tables for given logic circuits To recognise and use the following standard symbols used to represent 	 A logic gate implements a Boolean function and thus performs a logical operation on one or several logic inputs in order to produce a single logic output. A logic gate often uses diodes or transistors that act like electronic switches. The output of one gate can be wired to the inputs of one or more other gates. Design the digital circuit system of the vehicle with two sensors as input. Also ask them to discover the practical use of the circuit. Construct a truth table for the digital circuit system they developed. Discuss about design procedures for designing combinational circuits. 	www.youtube.com/watch?v=_7 6g8EM4DVU www.softpedia.com/get/Others/ Home-Education/Logic-Gate- Simulator.html
	logic gates	 Explore different online applications for developing logic circuits. 	





Physical Education	 To learn about types of motivation. To know the importance of goal setting. 	 What is the difference between intrinsic and extrinsic motivation. Give examples of each. Name and explain seven principles of goal setting. Describe a model of how your brain processes information. Drew a quick sketch to illustrate it. What are the main stages in the model? 	www.teachpe.com www.britishschoolofboston.org www.cie.org.uk www.innerbody.com www.physicaleducation.co.uk
Art	Experiment with and develop your BEST ideas	 Experiment with the different materials you intend to use. Experiment with your own artwork in response to the theme: using a range of materials and mediums. 	<u>www.studentart</u> guide.com
French	 Le logement To describe your house with its rooms and furniture. To tell where it is located using a range of adverbs and directions passing by the square and the city description. 	 SPEAKING: « OÙ habites -tu ? /Décris ta maison ? / parle-moi de ta maison de rêve ? / Quelle pièce que tu aimes le plus et pourquoi ? https://www.youtube.com/watch?v=srmrCfJ6xig LISTENING: https://www.youtube.com/watch?v=EkTZo_JoNa4 https://www.youtube.com/watch?v=gbavWcY_W3Y https://www.youtube.com/watch?v=jLzCaGe13cU https://www.youtube.com/watch?v=SLXQvINNWYE 	https://www.bbc.co.uk/bitesize/guides/z7hfwty/revision/3 https://www.bbc.co.uk/bitesize/guides/z7hfwty/revision/4 https://www.bbc.co.uk/bitesize/guides/z7hfwty/revision/5





			1 1/6 : 1 11 16
	• Also, to use the	Important dialogue (role play) /Also it has a letter that it can help	https://fr.islcollective.com/franc
	conditional tense to talk	you in your writing passage.	ais-fle-fiches-
	about your dream house	https://www.youtube.com/watch?v=200ju9pB-PU	pedagogiques/grammaire/phras
		Important dialogue (role play)	e/fle-logement-
		https://www.youtube.com/watch?v=a7V91E19SLA	vendre/louer/22493
		https://www.youtube.com/watch?v=ELsfGKXNuW8	
		WRITING : Tu vas décrire ta maison en détails en se	
		concentrant sur la description de votre chambre Vous devez	
		écrire 130–140 mots.	
		• READING:	
		https://www.bbc.co.uk/bitesize/guides/z7hfwty/revision/1	
Arabic (Arabs)	الفيس بوك	يذكر الفكرة العامة للنص ويحدد الأفكار الفرعية ويذكر الدليل .	https://ar.wikipedia.org/wiki/%D
	أن يحدد الطالب الفكرة الرئيسة	يقارن بين نصين من حيث الأفكار والأسلوب	https://www.youtube.com/watc
	والأفكار الداعمة .		<u>h?v=pAeLm-PjulU</u>
	أن يحلل الطالب النص تحليلاً أدبيًا .	يوضح الفكرة الرئيسة والأفكار الداعمة.	
	الأيام - طه حسين	يذكر الفكرة العامة للنص ويحدد الأفكار الفرعية ويذكر الدليل .	
	أن يحدد الطالب الفكرة الرئيسة		https://www.youtube.com/watc
	والأفكار الفرعية .	يوضح الفكرة الرئيسة والأفكار الداعمة.	<u>h?v</u> =
	أن يحلل الطالب النص تحليلاً أدبيًا .	يقارن بين نصين من حيث الأفكار والأسلوب	





	حلل الربيع أن يحدد الطالب الفكرة الرئيسة والأفكار الفرعية . أن يحلل الطالب النص تحليلاً أدبيًا . يقارن بين نصين من حيث الأفكار والأسلوب	يذكر الفكرة العامة للنص ويحدد الأفكار الفرعية ويذكر الدليل .	http://www.alnoor.
Islamic Education (Arabs)	صاحب الجنتين - الوقف عطاء ونماء ونماء . يشرح مفهوم الوقف يبين فضل الوقف يميز بين أنواع الوقف في خدمة يوضح دور الوقف في خدمة المجتمع يحلّل بعض دلالات الآيات	- سيكلف الطالب بعض التكليفات – يحرص على حفظ سورة الكهف يحرص على العمل الخيري دائما يكتب قصة صاحب الجنتين يكتب قصة صاحب الجنتين يكتب موضوعا عن دور الوقف في تنمية المجتمع يكتب بحثا عن دور الامارت في رعاية شئون القصر	tps://www.youtube.com/watch ?v=1GwlMOJay9c https://www.youtube.com/wat ch?v=LCdYHm5vdqw





Islamic	The Prophet's Methodology	Create a power point presentation on methodology in Da'wah	https://www.youtube.com/watc
Education	in Da'wah	in Muslim Community.	<u>h?v=REUjkRVpeWs</u>
(Non Arabs)	• To apply concept of	• Create a power point presentation on the benefits of believing	https://www.youtube.com/watc
	prophet's methodology in	in Unseen.	h?v=zqHq16gFniU
	Da'wah		
	• To apply the styles and		
	characteristics of the		
	prophet's methodology in		
	Da'wah		
	To evaluate the effect of		
	the prophet's		
	methodology in Da'wah in		
	Muslim's life		
	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		





Moral	The Dangers of Wealth and	<u>Tasks</u>	https://26313252-
Education	Greed	• Complete Task 2 on page 42 and answer the questions that	986486660976945322.preview.e
	• To discuss the different	follow.	ditmysite.com/uploads/2/6/3/1/
	ways we can use money	What are the 5 areas that are considered for the HDI?	26313252/med sb g08 en 27
	• To discuss how to avoid	• Read the text on page 45 and discuss your answer the	sep digital.pdf
	financial complications,	questions that follow.	https://www.goodcharacter.com
	citing examples of	Tasks	/middle school/respecting-
	financial mismanagement,	Discuss with a partner the question on page 47.	others/
	greed and poor	Read the text on page 48 and discuss with your seatmate the	Moral education text book
	governance	questions that follow.	
		Make a mind-map on the resources, other that money that is	
		abundant in the UAE that could possibly help poor of the world.	