



Area for learning	Focus	Activities	Useful Websites/Apps
English 1 st Language	 To enhance analytical skills of the student. To enable learners to understand how writers create an effect. 	 Read 2 to 3 poems of a certain poet, genre or era from the given website. Analyse the figurative language used. State the central theme and the effect on the reader. You can attempt a language analysis piece on the chosen poet. 	www.poetryhunter.com
English 2 nd Language	Article Writing To develop article writing skills.	 Choose a feature article and a persuasive article and analyse the components of the same through a brief summary and annotations. Create a diagrammatic illustration distinguishing between the 2 types of articles mentioned above. 	www.khaleejtimes.com www.ndtv.com www.bbc.com





English Literature	To enhance understanding of short story as a genre	 Research on the features of short story as a genre. How does it differ from a novel? How does it affect the reader differently? What are the constraints and benefits of the genre? Research on the famous short story writers of the 20th and 21st century. 	www.gutenberg.org
Mathematics	Differentiation		https://www.youtube.com/wat
Accelerated	Learning objective:	Make a list of derivatives of simple functions	ch?v=9Al3BkKQhn0
	To calculate the gradient at a	Research on how to find the gradient of a curve at a	
	point on a curve, given its	differentiation at a point.	https://www.youtube.com/wat
	equation	 Research on the applications of differentiation. 	ch?v=u7UwkUH0c1c
		How do you find maximum and minimum points using	https://www.youtube.com/wat
		differentiation?	ch?v=AUbTx0IdTlw





	 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 use second derivatives to distinguish minimum and maximum points To sketch a quadratic graph 		https://www.youtube.com/wat ch?v=WCq3sRzsJfs https://www.youtube.com/wat ch?v=Y0QPJjso_9w
Mathematics Extended	Sets and Venn diagrams:	Make a glossary of different terms used in Sets and their notations. Add one example for each of those.	https://www.mathsisfun.com/s ets/venn-diagrams.html
	Use language, notation and	December on weal life application of sale and Many	https://corbettmaths.com/2016
	Venn diagrams to describe	Research on real life application of sets and Venn diagrams.	/08/07/venn-diagrams/





	sets and represent relationships between sets • Analyze and apply the concept of Sets and Venn diagrams in problem solving Circle theorems: • Find the missing angles in circles using circle theorems	Take some large cut out circles / paper plates. 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. Practice past paper questions on Circle theorems.	https://www.youtube.com/wat ch?v=CffNhB44t70 https://www.mathsisfun.com/g eometry/circle-theorems.html https://www.youtube.com/wat ch?v=BDqELk2xCPU
Statistics	Measures of central tendency – mode, median and mean	Practice Transformations of mean, mode and median will be simple scaling such as: Everyone in the class results were reduced by 5 marks: how would this effect the mean, mode and median?	https://www.mathsgenie.co.uk/mean-tables.html





Calculate the mean, mode and	https://www.bbc.co.uk/bitesize/
median for discrete data,	guides/zwhgk2p/revision/7
continuous data.	
 Describe the advantages and disadvantages of each measure of central tendency. Understand the effect of transformations on the mean, 	
mode, median.	

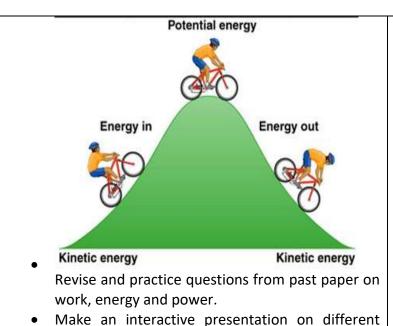




Physics • To relate work done to the magnitude of a force and the distance moved • To describe energy changes in terms of work done • To recall and use W= Fd = E • To relate power to work done and time taken, using appropriate examples

To recall and use the equation P

=E/t to solve problems.



types of energy resources using **GLOGSTER**.

- www.skool.co.ukwww.lslandphysics.comhttps://hgphysics.com/gp
- h/d-energy/work/
 https://www.bbc.co.uk/e ducation/guides/zssk7ty/ revision
- http://www.bbc.co.uk/sc hools/gcsebitesize/scienc e/21c/sustainable energ y/choosing energy sourc esrev1.shtml
- http://www.bbc.co.uk/sc hools/gcsebitesize/geogr aphy/energy resources/e nergy rev1.shtml





		 Use PADLET and give examples for each type that is present in UAE or in your home country. Use the ideas of transfer of energy and power to explain the following: Water at the bottom of water- fall is warmer than at the top. Our hands become warm when we rush them against each other. 	 https://www.youtube.co m/watch?v=pDK2p1QbP KQ
Chemistry	 Chemical Reactions To classify the different types of chemical reactions Predict the types of reactions and identify the products Write and balance symbol equations 	 ACTIVITY 1: Research about the types of reactions. ACTIVITY 2: Many chemical reactions release or absorbs energy. What are these reactions called? Classify the reactions. State the type, predict the products and balance the equation 	• https://www.onlinemathlearning.com/chemical-reactions-equations.html#:~:text=Five%20major%20types%20of%20chemical,(also%20called%20double%20displacement).





			 https://www.physicsand mathstutor.com/chemist ry-revision/igcse- cie/chemical-reactions/ https://www.youtube.co m/watch?v=WWJQpuv9E lE
Biology	 Transport in plants Identify root hair cells, as seen under the light microscope, and state their functions. 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 sucrose and amino acids in phloem. 	 Encourage students to conduct a simple experiment to show that transport of food is carried out by the phloem. Motivate the students to come up with the hypothesis of the concept explaining the uptake of water and minerals through various cells. 	 http://www.thinkib.net/b iology/page/17721/vascu lar-tissues-introduction- new-guide https://youtu.be/uK7l9Y H0UiU https://youtu.be/3e95gA ekR8s https://youtu.be/XC4Oh5 My8VE





- To describe the limiting factors for the rate of transpiration.
- Investigate and describe the effects of variation of temperature and humidity on transpiration rate
- Students will come up with a method to 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

- https://youtu.be/EAymLK rrTP0
- http://www.biologyrefer ence.com/Ta-Va/Translocation.html
- http://passel.unl.edu/pag es/informationmodule.p hp?idinformationmodule =1092853841&topicorde r=6
- http://www.thenational. ae/lifestyle/househome/nicks-garden-howmuch-water-does-thatplant-need





Food	and
Nutrition	

Sources and functions of the following <u>Nutritive value of foods:</u>

- proteins,
- carbohydrates
- fats
- vitamins (A, C, D, E, K, B group – thiamin, riboflavin, nicotinic acid and cobalamin)
- mineral elements (calcium, iron, phosphorous, potassium, sodium, fluoride, chloride, iodide)
- water
- Sources and uses of <u>food</u> <u>energy.</u>

The Nutrient Content of Food

- Use different visual aids to show how water, light and air affect nutrients
- Cut out pictures of foods from magazines and sort into Nutrient groups. Paste them onto card and design a game, (eg, like snap or happy families) matching the name of the nutrients with the sources and function.
- Design an experiment to see what happens to vitamins when heat is applied.
- Adapt any recipe containing <u>carrot</u> to make something different keeping in mind to retain the nutritive value as much as possible.

- Food a fact of life website
 http://www.foodafactoflife.org.uk/
- The Eatwell platehttps://www.gov.uk/gov ernment/publications/th e-eatwell-guide
- Nutrients
- www.nia.nih.gov/health/i mportant-nutrientsknow-proteinscarbohydrates-and-fats





	 Sources and functions of <u>non-starch polysaccharide</u> <u>(NSP)/dietary fibre</u>. 		
Economics	To analyse how taxes are used by Government to achieve its objectives	 Research on the two types of taxes Direct & Indirect using examples. Find out the types of taxes levied in UAE. Research on how Indirect taxes are used to impact consumption of demerit goods, use a graph to emphasize your findings. What is a negative tax? Explain using examples. Present your work on using power point presentation. 	https://www.britannica.com /topic/taxation
Accounting	To record day book entries into ledger accounts	 Interview people working in the Accounts Department of any organisation (it could be your own school) 	 www.tutor2u.net www.dineshbakshi.com www.cie.org.uk





		 Identify the dual function of the cash book as a book of prime (original) entry and as a ledger account for bank and cash. Check with them the concept of Petty Cash Account. Reflect your findings in the form of a class presentation. 	
Business Studies	 Business (Private) objectives and Stakeholders objectives To assess the importance of business objectives and how it can satisfy stakeholders objectives as well. How these objectives help business activity/growth in developing and developed countries 	 State and explain PepsiCo VMOSA (Vision, Mission, Objectives, Strategies and Action Plans). Who are the stakeholders in the Company? How are they affected by business activity? (refer Page 56 in Textbook) How will PepsiCo face the conflict of objectives between stakeholders while it is still diversifying its business with retail sector growing steadily? 	 www.bized.co.uk www.cie.org.uk www.xtermepapers.net www.tutor2n.net Text Book





Travel and Tourism	 ICT in Travel and Tourism Identify and explain Use of ICT in Travel & Tourism Industry 	 Show your findings using 3 slides of power point presentation or one-page of write-up with pictures. Collect information from websites and explain how Travel and tourism providers make use of computerised information systems and relevant technology to obtain information. How they provide tourism products & services to customers & how ICT helps in this (World span, Sabre, Galileo, World Wide Web). 	 www.bized.co.uk Local travel Magazines Textbook www.tutor2u.net
Sociology	 Family: To examine the dark side of family life 	 Why is it difficult to get accurate information about the dark side of the family? According to few sociologists, families provide support networks that confer psychological and social benefits no longer provided by other social institutions. Why? Why not? 	https://www.youtube.com/watc h?v=FisKm39E7L8&t=105s





Psychology	Memory- Peterson and Peterson study background	To investigate how different short intervals containing an interference task affect the recall of items presented verbally, and to infer the duration of STM.	Peterson and Peterson: Short Term Memory – Mrs. Eplin's IB Psychology Class Blog (wordpress.com)
			Duration of Short-term Memory Psychology tutor2u
			Duration of Short-term Memory Experiment - Peterson and Peterson Simply Psychology
Geography	OS maps	LO: To analyse and understand the different features of an OS map. Focus: Six figure grid reference. Direction and distance.	https://www.bbc.co.uk/bitesize/guides/zg7jk2p/revision/2





		Countours.	
History	League of Nations	How successful was the League in the 1920's? Focus The Aims of the League Membership of the League Organization of the League Border disputes in the 1920's	Chapter 2 : Secondary: Oxford University Press (oup.com)
Global Perspectives	LAW & CRIMINALITYGLOBALIZATION	 To examine and analyse legal and criminal concerns locally, nationally & globally. To analyze the significance and impact of globalization locally, nationally & globally. 	GLOBAL PERSPECTIVE IGCSE COURSEBOOK





		T.,	1 11
Environmental	Agriculture and the environment	Use various sources to investigate the types of agriculture	https://www.nationsencyclopedi
Management		practiced around UAE.	a.com/Asia-and-Oceania/United-
		Create a presentation of your choice to show the	Arab-Emirates-
		following:	https://www.moccae.gov.ae/en/
		 How sustainable agriculture is practiced in UAE 	knowledge-and-
		 Strategies used by the farmers to increase crop 	statistics/agricultural-
		yield in UAE.	<u>development.aspx</u>
		The environmental impacts of agriculture in UAE	https://www.thenationalnews.c
			om/opinion/editorial/the-future-
			of-farming-may-lie-in-the-uae-
			<u>desert-1.1082991</u>
			https://www.thenationalnews.c
			om/uae/environment/2021/11/
			07/abu-dhabi-launches-
			sustainable-agriculture-plan-to-
			boost-local-farming/
ICT	<u>Topic:</u> EXCEL functions	Microsoft Excel is a spreadsheet program used to store	www.aceit-training.com
	Learning Objective:	and retrieve numerical data in a grid format of columns	https://www.youtube.com/watc
		and rows. Excel is ideal for entering, calculating and	<u>h</u>





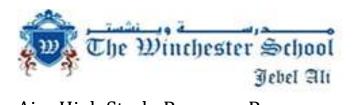
	 To create spreadsheets using 	analysing company data such as sales figures, sales taxes	https://www.udemy.com/excel
	MS EXCEL, and explore	or commissions. Help the child to develop a data model,	quickstart/
	different formulas, sort data	of the finance of your workplace or the finances flow at	
	and format cells	home.	
	 To present the data in 	Encourage your child to research on the following:	
	formatted form, as a properly	Difference between the different types of LOOKUP	
	laid out spreadsheet	functions	
		How to use data validation in a spreadsheet	
		Present data	
		 Enhance data 	
		 Format cells 	
		 Adjust rows and columns 	
		 Conditional formatting 	
		 Adjust page orientation 	
Computer	Topic: Problem Solving	Discuss with your child about ASCII chart to see how	<u>pseudocode</u>
Science	Learning Objective:	different number systems are used to represent the	How to write Pseudocode: A
		symbols on the keyboard and support them to design	beginner's guide by Ngunyi
		pseudocode for the same.	Macharia Medium





	Able to design pseudocode for given scenarios. Able to explore the importane of ASCII codes. Able to create a pseudocode for converting between base systems.	 Motivate your child to pseudocode that can be base system and our down also encourage them algorithms that can be others. 	e used to co lecimal num to create	onvert betwe ber system. a report on	en any	
Physical Education	 To understand the different parts of respiratory system. To understand the structure 	 Draw a diagram of Complete the table 		system and l	abel it.	www.teachpe.com www.britishschoolofboston.org www.cie.org.uk
	and functions of respiratory system.	Part of respiratory S system Lung Alveoli Diaphragm bronchi epiglottis	tructure	Function		www.innerbody.com www.physicaleducation.co.uk





		Larynx	
Art	KEY AREA OF LEARNING AO2 AND AO3	Students to TRY a variety of learning experiences, which encourage the development of skills through the use of appropriate media, processes, techniques relevant to the chosen THEME OR SUBJECT.	https://issuu.com/va- da/docs/igcse assessment crite ria new www.studentartguide.com
French	 A la maison To exchange information and opinions about TV programmes To talk about household tasks and offer help around the house To report lost property and describe missing items 	 SPEAKING: prepare a role play: Candidat(e): vous-même Professeur: propriétaire d'une maison de vacances, Monsieur/Madame Moreau Pendant vos vacances en Suisse vous perdez la clé de votre maison de vacances. Vous téléphonez au/à la propriétaire de la maison, Monsieur/Madame Moreau. 1 (i) Saluez le/la propriétaire; et (ii) Expliquez la situation. 	www.french-games.net www.quizlet.com www.language-gym.com www.tv5monde.org





		 2 (i) Dites où vous avez perdu la clé; et (ii) Dites quand vous avez perdu la clé. 3 Répondez à la question. 4 (Le/la propriétaire va venir.) (i) Faites vos excuses; et 	
		- (ii) Proposez de payer pour la clé.	
		- 5 Posez 1 question sur l'heure de son arrivée.	
Arabic (Arabs)	قصة مصباح الحمام -1	يوضح دلالة عنوان القصة على المضمون -	https://www.youtube.com/watc
	Learning objectives:	قارن بين نصين مستنتجا السمات المختلفة والمتشابهة فيهما -	<u>h?v=Y_qMjT1aHVk</u>
	أن يحلل النصّ السردي تحليلًا فكريًا ونقديًا -	حدّد القيم الواردة بالنص وناقشها مع مجموعتك -	
	. وبلاغيًا	حلّل النص الأدبي تحليلا أدبيا -	https://www.youtube.com/watc
	أن يوضح الفكرة الرئيسة والأفكار الفرعية -	دلل على فكرة النص من خلال الألفاظ والتراكيب والأساليب -	h?v=O RnbfRFz8A
	أن يستنتج الدلالات التعبيرية -	يحلل القصة إلى عناصرها الفنية -	
	أن يستنتج القيم الواردة بالنص -	يحدد استراتيجيات الكاتب في تلك القصة -	https://www.youtube.com/watc
	أن يحلل المغزى من القصة والدلالة عليه -	يحلل تأثير المكان على تصاعد الأحداث -	h?v=joC0b 4quhc
	أن يفسر دور المكان في التأثير على العقدة -	يحلل المغزى من القصة مع التدليل عليه من أحداث القصة -	





	-	يفسر الظاهرة المجتمعية التي تعالجها القصة - يوضح دور الوصف في حبكة القصة مع الأمثلة - يطبق الاستعارة بنوعيها والكناية من خلال الأمثلة المعطاة -	
Arabic (Non-Arabs)	TOPIC: الطاقة ومصادرها زيارة مدينة مصدر زيارة مدينة مصدر Learning objectives: أن يشرح التلاميذ مصادر الطاقة أن يقارن الطالب بين مصادر الطاقة أن يطرح الطالب حلولا للحفاظ على الطاقة أن يطرح الطالب حلولا للحفاظ على الطاقة أن يقدم التلاميذ تقريراً عن زيارة لمدينة مصدر	 Students can compare between sources of energy. Students can create a report about Masdar city. Students can create videos about energy. Students can create reports about visit to Masdar city. 	https://www.youtube.com/watc h?v=mAevY1UUB-k https://www.youtube.com/watc h?v=z0a8Cz08-OA https://www.youtube.com/watc h?v=cmpkrUjAveY
Islamic Education (Arabs)	جمع القرآن الكريم Learning objectives:	يكتب بحثا عن مراحل جمع القرآن في عهد عثمان بن عفان يكتب تقريرا عن رسم المصحف العثماني	https://www.youtube.com/watc h?v=2i2eb9PDxtc





	أن يقارن بين مراحل الجمع في أبو بكر وعهد عمر بن الخطاب ين الخطاب يبدي رأيه في جمع القرآن الكريم-		
Islamic Education (Non Arabs)	TOPIC: Learning objectives: 1. Stages of collection the Quraan - able to explain the stages of collecting AL Quran. -Compare the efforts of Abu Bakr As Siddiq in serving Al Quran to those of Uthman R.A.	Write an essay or a journal report about Miracles in Al Quran Al Kareem. Write an essay to a friend convincing him why Muslims believe that Al Quran is not changed unlike previous book	http://bak.whyislam.org/submis sion/the-holy- quran/arrangement-and- collection-of-the-quran/





Moral	TOPIC: The Development of	Explain the following statements:	https://www.youtube.com/watc
Education	Entrepreneurship Skills Learning objectives: To develop entrepreneurial skills by producing a plan for a 'business' and making financial decisions based on how the business copes with economic pressures	 Entrepreneurs must be motivators. Entrepreneurs must be risk takers. Entrepreneurs must be dreamers 	h?v=hzoGnCdQadw