



Area for learning	Focus	Activities	Useful Websites/Apps	
English 1 st Language	 To employ persuasive techniques while writing a speech. To identify the audience links and formal language employed in a speech. 	 Watch the speech provided in the link. Research and discuss about the speaker in the given link with your child. Share what makes the speech so motivating and persuasive. 	https://www.youtube.com/w atch?v=IYGGpc2mMno	
English 2 nd Language	 To enhance formal sentence structures. To embed the form and structure of an article 	 Read all the articles provided in the links. Discuss the content of the article and the extent to which you agree or disagree with the same. Identify formal sentence structures in the article and with your child change the sentences to informal sentences. Identify and annotate different aspects of the articles for a better understanding of structure and form of the same. 	https://www.khaleejtimes.com/editorials-columns/dont-let-worries-worry-you-work-with-themhttps://www.khaleejtimes.com/editorials-columns/remember-all-millennials-are-not-narcissistshttps://www.khaleejtimes.com/editorials-columns/there-are-lessons-to-learn-from-superhero-movies	





English Literature	To introduce learners to the art of satire and re- telling of narratives.	 Visit the link provided and read the poems composed by Roald Dahl. Through a Venn diagram, compare and contrast the original texts to the re-telling of the same. Attempt a similar task using a fairy tale of your choice. 	https://www.poemhunter.com/i/ebooks/pdf/roald_dahl_2004_9_pdf
Mathematics	Binomial Expansion:	Complete Pascals triangle and identify how we can apply it to find	https://www.khanacademy.org/
(Accelerated)	• Expand Expressions of the	the Expansion with larger power.	math/precalculus/x9e81a4f9838
	form (a+b) n, where n is a positive integer. • Apply the general term in order to find a specific coefficient. Factors and polynomials • Apply factor theorem and reminder theorem • Evaluate the factors of a polynomials • Solve cubic equations.	Pascal's Triangle	9efdf:polynomials/x9e81a4f9838 9efdf:binomial/e/binomial- theorem https://www.mathplanet.com/e ducation/algebra-2/polynomials- and-radical- expressions/factoring- polynomials





Mathematics (Extended)	Probability: To draw probability tree diagram To calculate probabilities of independent and mutually exclusive events.	roll a dice. What is the probability of getting a head and a prime number?	https://www.mathsisfun.com/da ta/probability-tree- diagrams.html https://www.mathsisfun.com/se ts/function.html
	 mutually exclusive events using tree diagrams Functions To use function notation to describe simple functions, to find the value of a function. To find the inverse of a function. To find composite of a 	 Investigate about different functions. How can you find the value of a function? Research on the application of changing subject of a formula in finding the inverse of a function. 	https://www.mathsisfun.com/se ts/function-inverse.html https://www.purplemath.com/ modules/invrsfcn3.htm https://www.onlinemathlearnin g.com/composite-functions.html
	function and its application		





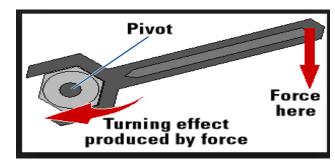
Physics Total internal reflection:

- To describe the passage of light through parallel sided transparent material.
- To give the meaning of critical angle.
- To describe total internal reflection.

Turning effects of force

- To describe the moment of a force as a measure of its turning effect and give everyday examples.
- To describe, qualitatively, the balancing of a beam about a pivot.

- Create a list of questions based on Bloom's taxonomy to check understanding of topic of your peers for the topic.
- Research and present your work on real life applications of total internal reflection of light.
- Research on why do we see a distorted view when we look through a window that is covered with raindrops?



Two forces are causing the sea-saw to tip. The girls weight causes it to tip to the left, while her father provides a force a tip to the right:

https://www.youtube.com/watc h?v=NAaHPRsveJk https://www.youtube.com/watc h?v=MifvDNjMMqo www.skool.co.uk

www.Islandphysics.com

https://www.youtube.com/watc h?v=Bs9poMZp4tc

http://www.bbc.co.uk/schools/g csebitesize/science/triple aqa/u sing physics make things work /moments/revision/1/ https://hgphysics.com/gph/cforces/2-force-effects/1moment/





	To apply the idea of opposing moments to simple systems in equilibrium	 Investigate on how he can increase his turning effect. Use the ideas of stability and centre of mass to explain the following: Double- decker buses have heavy weights attached to their undersides. The crane has a heavy concrete block attached to one end of its arm, and others placed around its base. Make a compilation of pictures of variety of turning effect of forces in everyday life using PADLET. 	
Chemistry	Organic chemistry	Activity:	http://chemguide.co.uk/basicorg
	 The aim of this activity is to describe naming of organic compounds using rules of nomenclature. To describe characteristic features of homologous 	 Make a 3-D model or a model using a play dough to show the structures and bonding of alkanes and alkenes indicating the differences between alkanes and alkenes. Create 10 multiple choice quiz questions using kahoot on the topic nomenclature and structures of alkanes and alkenes. 	/conventions/names.html http://www.bbc.co.uk/schools/g csebitesize/science/triple_edexc el/organic_chemistry/organic_ch emistry/revision/5/





	series and describe the structures of and alkenes. To describe isomerism with examples of alkanes. To describe chemical properties and chemical reactions of alkenes and also a test for saturated and unsaturated compounds.	examples of alkenes.	http://chemguide.co.uk/basicorg/isomerism/structural.html http://www.bbc.co.uk/schools/gcsebitesize/science/triple ocrgateway/chemistry_out_there/natural_fats_oils/revision/2/
Biology	 Energy flow: To describe the flow of energy through living organisms including light energy (sun) and chemical energy and transfer of this energy to the environment. 	trophic levels. • Create a jigsaw puzzle on ecological pyramids	https://www.khanacademy.org/science/biology/ecology http://www.bbc.co.uk/schools/gcsebitesize/science/add_gatewaypre 2011/greenworld/energyflowrev2.shtmlhttp://www.ck12.org/earthscience/Flow-of-Energy-in-





- To explain the inefficiency of energy transfer between the trophic levels
- To describe and interpret different ecological pyramids.
- To describe different nutrient cycles and to know their importance.
- To identify and explain the factors affecting the growth curves.
- To interpret graphs and diagrams of human population growth.

Biotechnology and genetic engineering:

- Consider the real-life examples to interpret graphs and diagrams of human population growth.
- Write an article on the advantages of the genetically engineered products.
- Apply the concepts on anaerobic respiration in their daily lives.
- Research on the uses of biofuels over the fossil fuels.
- Research on the production of human insulin & golden rice.

Ecosystems/lesson/Flow-of-Energy-in-Ecosystems-HS-ES/ https://www.biologycorner.com/ /lesson-plans/ecology/

http://content.teachengineering
.org/content/mis /activities/mis
_population/mis population_act
ivity1 worksheet v2 ccs tedl.p
df

http://www.biotechonweb.com/ Applications-of-Biotech.html https://www.slideshare.net/Fyza hBashir/applications-ofbiotechnology





To describe the use of	http://www.littletree.com.au/dn
bacteria in biotechnology	<u>a.htm</u>
and genetic engineering.	http://www.goldenrice.org/
To describe the role of	
anaerobic respiration of	
yeast in production of	
biofuels and in bread-	
making.	
To explain the role of fungi	
and working of fermenter	
in the production of	
penicillin.	
To describe the use of	
pectinase and biological	
washing powders.	
To outline the production	
of a human protein using	
genetic engineering.	





	To state the applications/ examples of genetic engineering.		
Food and Nutrition	 Raising agents Food spoilage and hygiene in the handling and storage of food 	 Ways of introducing these gases into a mixture (to include bicarbonate of soda, baking powder, yeast). In your own words explain how a natural raising agent works. Use the following keywords: Carbon dioxide, air, steam, heat, rise, protein, structure. To support your answer, refer to a food product as an example e.g. sponge cake. Food spoilage and Hygiene in the handling and storage at home, refrigeration, waste disposal. The objective of the lesson is to understand the process of spoilage and wastage of food. It also explores various techniques used for food preservation like drying or pickling. Project idea: An inquiry into food spoilage and preservation Collect different food items (in small quantities) and keep them in separate containers in the room. Suggested food 	http://africankaya.com/differe nt-raising-agents-baking- powder-baking-soda-yeast- and-eggs-3/ www.chillededucation.org https://www.cliffsnotes.com/st udy- guides/biology/microbiology/fo od-microbiology/food-spoilage https://www.foodsafety.gov/bl og/2016/02/what-is-food- spoilage.html





• () • () • ()	biscuit, bo Food mate Kept o Closed Closed inside Observe th	oiled rice, idly erials are to l pen outside I but kept ou I and away for a cupboard a he rate of sp easons for sp chart on the	y and dosa. De kept in d On an oper tside (in a c Tom sunligh Baway from s Toilage in each Toilage.	osed bottle/jar) t (in a closed bottle/jar kept	
	Smell	Color	Texture	Observation through a hand lens	
2					
3					
4					
5					
6					
/					





Economics	Organization of production	 Write a detailed response on how lean manufacturing and automation has helped Toyota in reducing its costs and how has it affected the organization of production for the company. Explain the factors affecting the demand for the various factors of production in the case of Toyota. 	https://dineshbakshi.com/ https://www.investopedia.com/ https://www.tutor2u.net/
Accounting	To understand the effect of correction of errors on the financial statements.	 Research on the uses and process of accounting data in the books of Prime entry. Research on the types of errors that occurs in the ledger accounts. Analyse the impacts of such errors on the financial statements. Present your findings through google slides and share the link. 	https://www.youtube.com/watc h?v=INBVxEsG2ww https://www.youtube.com/watc h?v=iaYYnSZR13s https://www.youtube.com/watc h?v=yuw-P2BMEQU IGCSE Accounting Text Book www.cie.org.uk.ae
Business Studies	 To explain the economic objectives of government and to understand the business cycle. 	Create a poster discussing the social cost and social benefits of business activities.	Website http://www.gksoft.com/govt/en/pg.html





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	 To explain the ways in which activity might be affected by government economic decisions and how business might respond. 	 Prepare a poster discussing the role of multinational business in Dubai and its impact to country (discuss both positive and negative impacts) Develop a poster to highlight the difference between primary and secondary research Prepare a mind map on Globalisation and its threats and opportunities. Discuss the negative impacts of business on the natural environment. Prepare the Mind Map on Currency Exchange Rates. (Must include definition, its determination, currency appreciation &depreciation, effect of changing rates to business and Examples.) 	http://www.economicsguide.me/?page_id=2422 www.tutor2u IGCSE Business studies Textbook
Travel and	To understand the major influencement in the translation.	Choose two contrasting destinations and compare them in terms	The UAE's tourist or visitor guide • UAE tourist board's
Tourism	influencers in travel	of climate, location, culture, food. Point out the key implications	
	industry. Learn how	for tourism development such as:	Destination Manual
	location/ global position,	Temperatures (daily, seasonal variations)	• Internet sites, e.g., local
	climatic conditions are	Hours of sunshine	attractions and destinations.
		Geographical location (sea, sand, ice, mountains etc.)	





	favourable for this industry	 Food, culture of the location. Research on 'Features which attract tourists to a particular destination'. Make a Survey form and do a random sampling during holiday time by visiting malls and crowded areas. When you get your survey form filled by tourists, categorize them under following categories: Backpackers DINKY Empty Nesters Grey Market/ Boomers Youth Market Analyse which of the following group visits the most or travels the most. You could present your findings as a Report. 	The Columbus Guide to World Tourist Attractions.
Sociology	Education	To describe the official curriculum, the hidden curriculum and vocationalism	Sociology Textbook
Psychology	Social Influence: How do others affect you?	 To create some social experiments to find how certain factors such as group size, gender, age, situation, have an effect on conformity. 	Psychology textbook





Geography	Weather and climateEquatorial region and Tropical Desert.	 Investigate the methods to use the various weather instruments. Distinguish between the Tropical desert and equatorial region. 	http://www.weatherwizkids.com/?page_id=82 https://www.earthonlinemedia.com/ebooks/tpe_3e/climate_systems/tropical_desert.html
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. How far was the collapse of Soviet control over Eastern Europe due to influence of solidarity? Explain your answer. 	https://www.bbc.co.uk/bitesize/guides/zxprcdm/revision/2 https://prezi.com/oml3hltvycxz/soviet-expansion-in-eastern-europe/
Global	Individual Report	Explore various issues in the 8 topics assigned for the Individual	Various reliable websites and
Perspectives		report: > Belief systems > Biodiversity and ecosystem loss > Changing communities > Digital world	resources as chosen by the student





		 Family Humans and other species Sustainable living Trade and aid Choose one of the Topics. Write a suitable Research question. Use online reliable sources to research the topic-identifying information for the various perspectives including personal, national and global perspectives. When the research is complete, this information will be utilized to write the Individual Report during the summer vacation. 	
Environmental Management	Water Management	 Develop skills to calculate global water distribution. Analyse water shortage and international disputes. 	https://www.open.edu/openlear n/science-maths- technology/science/environmen tal-science/global-water- resources/content-section- 0?intro=1





ICT	Security and Ethics To infer the need to keep data safe from accidental damage, including corruption and human errors. To describe the importance to keep data safe from unauthorized viewing, deleting, copying and corruption. To explain the importance of passwords, firewalls.	 Explain the importance of strong passwords and firewalls. Create a report for different forms of malware. Add notes about preventing the form of malware and find images to represent each section of malware. 	https://www.skillsyouneed.com/num/percentages.html https://www.cisco.com/c/en/us/products/security/what-is-cybersecurity.html
Computer	Memory and storage	Differentiate primary, secondary and off-line storage.	https://www.atpinc.com/blog/c
Science	To infer the importance to	Create a report off-line storage.	omputer-memory-types-dram-
	keep back up data.	Research on applications stored on ROM.	<u>ram-module</u>





	 To differentiate primary, secondary and offline storage. To classify types of RAM. 	 Create a report for DRAM and SRAM and technology used in them. Discuss about EEPROM technology. 	https://www.geeksforgeeks.org/ types-computer-memory-ram- rom/
Physical Education	To learn about sports injuries and management.	 Define soft-tissue injuries and hard-tissue injuries. What's the RICE method? What injuries can you treat with it? What injuries shouldn't you treat with it? List some precautions you could take before an activity to help avoid injury. What precautions could you take during and after an activity? 	www.teachpe.com www.britishschoolofboston.org www.cie.org.uk www.innerbody.com www.physicaleducation.co.uk
Art	AO1/ AO2/AO3	 AO1 Record Record ideas, observations and insights relevant to intentions as work progresses AO2 Explore Explore and select appropriate resources, media, materials, techniques and processes AO3 Develop Develop ideas through investigation, demonstrating critical understanding 	www.studentartguide.com





French	On fait des achats		Reading :-
		SPEAKING : you can try to answer the questions on the link below	https://lingua.com/french/readi
	• To understand	https://www.scoilnet.ie/uploads/resources/26289/26025.pdf	ng/vetements/
	information about shops		
	and services	A role play in a cloth shop and here are some links that can help	https://www.bonjourdefrance.c
		you in your practice	
	To plan a shopping trip	https://www.youtube.com/watch?v=lxGUoCijwyg	om/exercices/acheter-dans-un-
	and find about reductions	https://www.youtube.com/watch?v=L4aqFPtZOcc	magasin-de-vetements.html
	and special offers	https://www.youtube.com/watch?v=8kpxuKFkCwk	
		https://www.youtube.com/watch?v=AS2hZLF9mDY	
		https://www.youtube.com/watch?v=DqvWYPqu5wU	
		♠ Role play	
		LISTENING:	
		https://www.youtube.com/watch?v=f0SCg0Inqhk	
		http://platea.pntic.mec.es/cvera/hotpot/ecoutes/faire_des_acha	
		tsh.htm	
		http://platea.pntic.mec.es/cvera/hotpot/ecoutes/vetementsb.ht	
		m	
		https://trainfrench.com/French/Vocabulaire/Exos_vocabulaire/V	
		etements/Audio/Conversation au magasin Audio.htm	





https://www.podcastfrancaisfacile.com/dialogue/acheter-unpantalon.html
https://ielanguages.com/listen/soldes.htm

WRITING:
Vous avez acheté un pantalon mais il y a un problème. Vous voulez
échanger le pantalon. Vous retournez au magasin.

1 (i) Saluez le/la vendeur/vendeuse; et
(ii) Expliquez la situation.

2. Répondez à la question.

3. Expliquez pourquoi vous voulez échanger le pantalon (donnez 2 détails).
4 Vous voulez essayer le pantalon.) Posez 1 question appropriée.

5 (i) Donnez 1 opinion positive sur le pantalon; et





		(ii) Dites pourquoi le pantalon vous plaît.	
Arabic (Arabs)	TOPIC: قصة الشيخ والبحر	يحدد الفكرة الرئيسة و أفكار النص	https://www.youtube.com/watc h?v=aoIAU4mpnXE
	قصيدة شيخ العرب Learning objectives: أن يفسر المتعلم أبيات النص . بأسلوبه	يحلل الطالب النص تحليلاً أدبيًا يقارن بين نصين من حيث الأفكار يفسر المتعلم أبيات النص بأسلوبه يحلل المتعلم النص الشعري تحليلًا نقدي	https://www.youtube.com/watc h?v=4Lh9FvEoA0M
	أن يحلل المتعلم النص الشعري تحليلًا نقديًا نقديًا أن يحلل المتعلّم (القصة) إلى عناصرها الفنية	.يحلل المتعلّم (القصة) إلى عناصرها الفنية .يكتب تلخيصًا عن القصة موضحًا فكرتها -	





	أن يكتب تلخيصًا عن القصة - موضحًا فكرتها.		
Islamic Education (Arabs)	TOPIC أحكام الزواج ذو القرنين والرجل الصالح	يكتب موضحا عن لقاء الرجل الصالح مع ذو القرنين اكتب موضوعا عن أحكام الخطبة في الإسلام	https://www.youtube.com/watc h?v=NOuwD6qGEI0 https://www.youtube.com/watc h?v=p-7OW-ZMWfw
	Learning objectives: يفسر معاني المفردات يحلل بعض دلالات الآيات		





	يبين الحكمة من تشريع الزواج يوضح أسس اختيار الزوج والزوجة يعدد شروط عقد الزواج يستنتج حقوق كل من الزوجين		
Islamic Education (Non-Arabs)	 Rulings on Marriage Explain the wisdom of legislating marriage. Explain the basis of choosing a husband and wife. Differences among Islamic Jurists (Fuqaha') 	 Explain the rulings on marriage and differences among Islamic Jurists (Fuqaha') through some activities like sharing some useful websites and having fruitful discussion. Explain the position of Muslims towards the differences among Islamic Jurists. 	https://www.youtube.com/watc h?v=FXP39jFRfGY



