



Subject	Focus	Activities	Useful website
Accounting	To analyse the usefulness of	Present a report on the usefulness of	www.myaccountinglab.com, www.bized.co.uk
	Managerial Accounting in businesses	Managerial Accounting and the main	www.tutor2u.net
	and how it is different from Financial	elements of Managerial Accounting.	
	Accounting.	Or prepare a Ted Ed Flipped Lesson on the	www.cie.org.uk, Accounting Text books
		topic.	
Arabic	ما يدخل على الجملة الإسمية TOPIC	* بوظف ما تعلمه من إنتاجه الشفوي والكتابة .	
			https://www.youtube.com/watch?v=Q5aW-
	Learning objectives	يميز الظواهر النحوية والصرفية	<u>xYdCTE</u>
	أندرمة الظماه النحمدة ملام فية		
	ال يمير الطوالعن التحويد والطريقة .		
	* أن يربط بين خبراته السابقة		
	TOPIC:	* يطبق ذلك على نص قرآني آخر .	
	* آبات من سورة النور .	* ييبين المعنى الإجمالي للنص الشعري .	
	Learning objectives :		
	a an an the strain the strain		https://www.youtube.com/watch?v=6ix2WHRT-
	* أن ييبين المعنى الإجمالي للنص الشعري .		<u>tl</u>
	 * أن يفسر المفردات من خلال السياق 		





	* أن يشرح الآية مستخدما التشبيه التمثيلي .		
	ΤΟΡΙϹ	* يكتب موضوعا وصفيا عن حفلة موسيقية .	https://www.youtube.com/watch?v=fv-ELHrLH-c
	* تعبير وصفي .		
Islamic Studies	1. الفراق بين الزوجين	يوضح تأثير فراق الزوجين على كل منهما وعلى الأبناء	https://www.youtube.com/watch?v=VCHlq8MO f-U
Arabs	يبين أنواع الفراق بين الزوجين		
	2. رسول الله والحياة الاجتماعية		https://www.youtube.com/watch?v=1420Wu9
	يدلل من سيرة الرسول على الحرص في بناء مجتمع متماسك	يعدد سبل تقوية العلاقات الاجتماعية	
	3. حديث الأفك عظة وعبرة		https://www.youtube.com/watch?v=7bFaviweV
	يستنتج الأحكام الواردة في الآيات	يبين الآثار السلبية للشائعات على الفرد والمجتمع	
Islamic Studies		RECORD A VIDEO ON THE •	
Non Arabs	TOPIC: FINANCIAL CONTRACTS IN ISLAM	CONTRACTS ACCORDING TO ISLAMIC RULING AND MENTION THE WISDOM BEHIND .	





Learning objectives:To learn about the concept of final system in Islam To comprehend the significant regulating contractsTo analyse the types of contract IslamTOPIC: FINANCIAL CONTRACTS IN ISLAM (2)Learning objectives: making a contract -To analyze the consequences of violating the contract	ncial THINK AND CREATE A VIDEO THAT SHOWS HOW WE CAN KEEP OUR YOUTH STAY AWAY FROM CHEATING IN CONTRACTS IF WE DEAL WITH SOMEONE ACCORDING TO ISLAMIC RULING.	<u>https://www.yout-</u> ube.com/watch?v=coDFN155vmI
violating the contract.		





Biology			
Biology	 1.Biological molecules Justify the Structure of carbohydrates, proteins and Lipids and signify their roles In living organisms. Enlight the importance of Hydrogen bond in the formation of Biological molecules. Explore the unique properties of water to enable it to serve as 	 <u>https://www.pinterest.com/pin/1779</u> <u>62622753078984/</u> <u>https://jameskennedymonash.wordpress.com/2015/03/09/foldable-biomolecules/</u> <u>https://www.pinterest.com/pin/4605</u> <u>63499374249978/</u>" Survey the bio fortified food with the types of biomolecules in the foods sold in UAE Evaluate whether the little brown grains of yeast obtained from the grocery store are alive by testing for metabolism and growth 	https://youtu.be/dMPfSl60ijo http://www.particlesciences.com/news/technic al-briefs/2009/protein-structure.html https://alevelnotes.com/Protein-Structure/61 http://www.vivo.colostate.edu/hbooks/genetics /biotech/basics/prostruct.html https://revisionworld.com/gcse- revision/biology/cell-activity/proteins-and- amino-acids/globular-and-fibrous-proteins https://youtu.be/rYrtuTa6bTg http://www.markedbyteachers.com/as-and-a-
	 Enzymes: Explain that enzymes are globular proteins that catalyze metabolic reactions. Explain the mode of action of enzymes in terms of an active site, enzyme/substrate complex, lowering of 	 <u>https://mrsmillersblog.wordpress.co</u> <u>m/as-biology/</u> <u>http://www.cheme.cornell.edu/resea</u> <u>rch/area.cfm?area=187</u> <u>http://www.omicsgroup.org/journals/</u> <u>biomolecular-research-</u> <u>therapeutics.php</u> Making a 3D and 2D structure of biomolecules for better understanding. Create a TED-Ed lesson or video on enzymes and their functions 	level/science/biological-importance-of- water.html https://youtu.be/FziG5LgrXPo





	 activation energy and enzyme specificity. Explain the effects of reversible inhibitors, both competitive and non-competitive, on the rate of enzyme activity. To compare the maximum rate of reaction (Vmax) and the enzyme affinity of different enzymes for their substrates using the Michaelis-Menten constant (Km). Structure of proteins and their roles in living organisms 	 Create questions on padlet for your peer on mode of action of enzymes Create a Kahoot quiz on the topic enzymes. Interpret different graphs on enzyme affinity. 	https://youtu.be/mfC9RB7IL9A https://youtu.be/QU0VBcHnQOk http://www.cpalms.org/Public/PreviewResource Upload/Preview/38326 http://www.rpi.edu/dept/bcbp/molbiochem/M BWeb/mb1/part2/sugar.htm has a comprehensive review of carbohydrate structure including examples of polysaccharides http://www.calfnotes.com/pdffiles/CN102.pdf https://alevelnotes.com/Lipids/58 http://study.com/academy/lesson/structure- and-function-of-lipids.html http://biology4alevel.blogspot.ae/2014/08/10- lipids.html https://youtu.be/VGHD9e3yRIU
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Business Studies	Enterprise The nature of business activity and the role of the entrepreneur Operations planning –Methods of Production. To analyse factors of production As challenges for new businesses. To analyse reasons of selecting method of production for a manufacturing business.	 Write a comprehensive report on factors of production and major challenges faced by new businesses. Visit to nearest manufacturing unit and research about their method of production. Analyse your findings and give reasons for selecting that business and develop a report on their production method also include photographs of business assembly line. 	www.tutor2u.net www.dineshbakshi.com www.cie.org.uk
Chemistry	 <u>Chemical Bonding</u> Describe the different types of bonding based using 'dot and cross' diagram Explain the shapes of, and bond angles in molecules using electron-pair repulsion theory Describe covalent bonding in terms of orbital overlap including the concept of hybridisation Explain the term bond energy, bond length, and bond polarity 	 Activity: Practice drawing dot-and-cross diagrams for ionic compounds as well as covalent compounds Make a power-point presentation to explain VSEPR theory as well as σ and π bonds List at least 10 molecules with their shapes and bond angles Research on hydrogen bonding as well as metallic bonding Solve past paper questions based on identifying the coordinate covalent 	http://www.chemistryrules.me.uk/found/found 3.htm http://www.inchm.bris.ac.uk/schools/vsepr/ https://chem.libretexts.org/Core/Physical_and Theoretical_Chemistry/Physical_Properties of Matter/Atomic_and_Molecular_Properties/Inter molecular_Forces/Specific_Interactions/Hydroge n_Bonding http://learn.mindset.co.za/sites/default/files/res ourcelib/emshare-show-note- asset/3723_fdoc.pdf http://www.chemguide.co.uk/physical/ktmenu. html





 Describe intermolecular for based on permanent and induced dipoles, hydrogen bonding and metallic bondi 	bonding, shapes of molecules, bonding and physical properties.	http://ww2.chemistry.gatech.edu/class/peek/13 10/notes/09-gases.pdf
 States of Matter State the basic assumptions the kinetic theory as applied to ideal gases State and use the general gare equation pV = nRT in calculations Describe the lattice structure of crystalline solids includin ionic, simple molecular, giar molecular 	 Activity: Design a quiz using Kahoot based on kinetic theory as applied to gases (to include – conditions necessary for gas to approach ideal behaviour and limitations of ideality) Practice calculations based on ideal gas equations Draw a flow chart to show the lattice structure of crystalline solids and describe their properties based on it. 	https://www.creative- chemistry.org.uk/molecules/structures.htm





Computer	Hardware:	Encourage your child to create presentation	
science	• Explain the difference	on the following:	http://en.wikibooks.org/wiki/A-
	between primary and	Ask child to research examples of devices	level Computing/AQA/Problem Solving, Progra
	secondary storage.	that make use of PROM, EPROM and/or	mming, Data Representation and Practical Ex
	 Identify items that are stored 	EEPROM, what they are used for in these	ercise/Fundamentals of Programming/Input a
	in secondary storage.	situations and why.	<u>nd_output</u>
	 Explain the difference(s) 		
	between RAM and ROM.	Child should maintain a glossary of hardware	
	 Explain the difference(s) 	component terminology.	
	between SRAM and DRAM.		
	 Explain the difference(s) 		
	between PROM, EPROM and		
	EEPROM.		
	 Describe the principal 		
	operations of a range of		
	hardware devices.		
	 Explain the purpose and use 		
	of buffers in a range of		
	devices.		
	• Describe the use of sensors.		
	 Identify appropriate sensors 		
	for a scenario.		
	 Explain the difference 		
	between a monitoring and		
	control system.		





	 Describe the use and function of a monitoring and control system in a given situation. Use the NOT, AND, OR, NAND, NOR and XOR logic gate symbols Understand and define the functions of : NOT, AND, OR, NAND, NOR and XOR (EOR) gates Construct the truth table for each of the logic gates a logic expression 		
Economics	 Discuss how estimates of XED and YED have implications for decisions that have to be made by firms. Discuss how estimates of XED and YED have implications for decisions that have to be made by firms. Discuss how estimates of PED have implications for decisions that have to be made by firms. Analyse how a shift of the demand curve occurs when 	Consolidate learning on demand and supply by selecting questions or part-questions from Cambridge past papers Students come up with practical ways in which understanding of price elasticity coefficients could be applied of useful applications of this understanding, for example, the type of good that a government wishing to raise tax revenue, is likely to tax. Class discussion on how the amount people spend changes (or doesn't) when their income changes.	www.tutor2u.net/blog/index.php/economics/co mments/unit-1-micro-key-diagrams-and- glossary www.tutor2u.net/economics/revision-notes/as- markets-crossprice-elasticity-of-demand.html www.economicsonline.co.uk/Competitive_mark ets/Income_elasticity_of_demand.html www.economicsonline.co.uk/Competitive_mark ets/Elasticity.htm www.tutor2u.net/economics/revision-notes/as- markets-demand.html www.tutor2u.net/economics/revision-notes/as- markets-supply.html www.tutor2u.net/economics/revision-notes/as- markets-demand.html





there is a change in any of	calculate income elasticities of demand for a	
the non-price factors that	suitable range of normal, luxury and inferior	
determine demand	goods.	
Analysis the AD and AS model	calculate values of cross-elasticity associated	
Anayse the AD and AS model	with complementary and substitute goods.	
	Include questions that check learners'	
	understanding of the relationship between	
	the value of cross-elasticity coefficients and	
	complementary and substitute goods.	
	 construct a diagram of the circular flow of 	
	income between firms and households for	
	both types of closed economy	
	 then construct an equivalent diagram for 	
	an open economy	
	 think of actual examples from their own or 	
	another given economy of all six injections/	
	Students anayse how the consumer and	
	producer surplus will change in different	
	situation.	
	Students consider how production potential	
	can be increased.	
	Using worksheet with various scenarios of	
	changes in the determinants of AD and AS.	
	Learners draw diagrams to show changes and	
	comment on the effect on the level of	
	output, the price level and employment.	





Mathematics	Pure Mathematics 1	Pure Mathematics	https://www.intmath.com/functions-and-
Edexcel	Functions:		graphs/2a-domain-and-range.php
	 Identify the range of a given 	Research on the real life applications of	https://mathbitsnotebook.com/Algebra1/Functi
	function and find the	functions.	ons/FNDomainRange.html
	composition of two given		https://www.bbc.co.uk/bitesize/guides/z3brdm
	functions	Make notes on different transformations on	n/revision/4
	Illustrate the relation between	the function $y = f(x)$ with examples.	https://www.onlinemathlearning.com/function-
	a one – one function and it's	Take coordinates of any 2 points, find	transformation-hsf-bf3.html
	inverse	midpoint, length and gradient of the line	https://revisionmaths.com/advanced-level-
	 Understand and use 	joining them using required formulae.	maths-revision/pure-
	transformations of the graph		maths/geometry/coordinate-geometry
	of $y = f(x)$		https://revisionmaths.com/advanced-level-
	Coordinate geometry:	Chatistics	maths-revision/pure-maths/geometry/equation-
	 To find the length between 	Statistics	<u>circle</u>
	two points.	what is Bayer's theorem ? How does this	
	• To find the gradient of a line.	Medel a situation on conditional probability	<u>Statistics</u>
	 To find the midpoint , given 	from a real life cituation	
	two points.		
	• To find the equation of a line	Machanics	https://revisionmaths.com/advanced-level-
	if two points are given or a		maths-revision/statistics/permutations-and-
	point and a gradient is given.	Find situations which can be modeled as	<u>combinations</u>
		motion in a straight line with constant	
		accoloration	https://revisionmaths.com/advanced-level-
	Statistics 1	Record your journey from Dubai to Abudbabi	maths-revision/statistics/probability
		and draw a speed time graph representing	
	Probability, Permutations and	the journey and calculate average speed	https://www.youtube.com/watch?v=wTlbovKpT
	<u>combinations</u>	from the graph	ME
			Mechanics





 Solve problems involving 	http://fhsmaths.weebly.com/kinematics-of-a-
permutation and combinations of	particlea- straight-line.html
a set of objects	
• Evaluate probability in simple	http://www.mathshov.org.uk/rovisionpotos/AQ
cases	<u>All 20 Machanics 22018/20 Davisions 20 Notes and f</u>
• Apply sample space to evaluate	A%201viechanics%201%20Revision%201votes.pdf
the probability.	
• Add and multiply probability in	
appropriate cases.	
• Apply Venn diagrams and tree	
diagrams to calculate the	
probability.	
• Show that events are mutually	
exclusive or independent.	
• Able to calculate conditional	
probability using formula.	
Model situations involving	
probability.	
Mechanics 1 :	
Chap 1 : Velocity and acceleration	
 To work with scalar and vector 	
quantities for distance and	
speed	
• To use equations of constant	
acceleration	
To skotch and road	
• TO Sketch and Teau	
displacement–time graphs	
and velocity-time graphs	
 To solve problems with 	
multiple stages of motion.	





Psychology	Biological approach	Assess the cognitive approach in psychological studies? Focus on :- • Key assumptions of cognitive approach. • Key studies under cognitive approach. • Issues and debates surrounding cognitive approach. • Research method used by cognitive approach	AS /A level Psychology textbook or any other General Psychology textbooks. You may refer to the below links for additional information. <u>https://www.verywellmind.com/what-is-the- biological-perspective-2794878</u>
		 approach Strengths and weakness of using cognitive approach. 	
Physics	Dynamics		
	 To state and apply each of Newton's laws of motion. To describe qualitatively the motion of bodies falling in a 	 A snooker ball strikes stationary ball. The second ball moves off sideways at 60° to the initial path of the first ball. Use the idea of conservation of 	<u>https://www.physicsclassroom.com/class/newtlaws/Lesson-1/Newton-s-First-Law</u>





	 uniform gravitational field with air resistance To apply the principle of conservation of momentum to solve simple problems, including elastic and inelastic interactions between bodies in one and two dimensions 	 momentum to explain why the first ball cannot travel in its initial direction after the collision. Illustrate your answer with a diagram Practice numerical problems applying the conservation of momentum principle. 	https://www.s-cool.co.uk/a-level/physics/momentum-and-impulse/revise-it/principle-of-the-conservation-of-momentumhttps://www.physicsclassroom.com/class/momentum/u4l2b.cfmhttps://www.physicsclassroom.com/Class/vectors/u3l2a.cfm
	 To describe and explain motion due to a uniform velocity in one direction and a uniform acceleration in a perpendicular direction 	 To derive equations for Range and maximum height for a projectile 	<u>https://www.physicsclassroom.com/class/vector</u> <u>s/Lesson-2/Horizontally-Launched-Projectiles-</u> <u>Problem-Solving</u>
English Language	Analysing the style of a writer	Research on any extract from a short story of any genre and identify the common themes, motifs, style of writing, figurative devices etc. employed by the writer(s).	https://americanliterature.com/author/kate- chopin/short-story/the-story-of-an-hour https://americanliterature.com/high-school- short-stories





		Attempt a short story of 200-300 words with a similar theme, motifs and style that you have researched on	
Art and Design	AO1 and AO2 learners to explore and build on their subject of interest. To encourage independent expression and the development of a critical, reflective practice. To accommodate a wide range of abilities, materials and resources, and allow the different skills to be fully exploited critically.	Communication: purposeful trials of art works to communicate, from the simplest sketch to the most complex work. The need to understand the relationship about the chosen subject and the works that will build on critical and purposeful influences transformed into original outcome.	www.studentartguide.com
Applied ICT	Theory Hardware and software: • Mainframe computers and supercomputers • Types of hardware and software • User interface • Operating systems Practical Spreadsheets Database	Encourage your child to create a presentation on the following: Operating systems, Types of software, User interface. Attempt past paper questions and create presentations on the given topics	Past papers, Internet www.teach-ict.com



