



SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	Topic: Poetry Analysis  Learning Objectives:  ➤ To develop understanding of poetic elements.	<ul> <li>➤ Read the poem on the site provided.</li> <li>➤ Jot down your understanding and analysis of the poem after your reading. Furthermore, analyse the effect of the imagery in the poem.</li> <li>➤ Listen to the audio of the same poem. Is your understanding of the poem altered after listening to it? Give reasons for your answer.</li> </ul>	<ul> <li>https://www.poemhunter.com/poem/if/</li> <li>https://www.youtube.com/watch?v=V2JHj3J7ICY</li> </ul>
MATHS	Topic :Trigonometry  Learning Objectives:  ➤ Find the missing angles and missing sides in the right triangle by applying SOHCAHTOA and Pythagoras theorem.  ➤ Find the angle of elevation /depression in word problems  Topic : Transformation  Learning Objectives:	<ul> <li>Research on the real life applications of Trigonometry. Present your findings using power point/ video/ Prezi /poster.</li> <li>Create notes/formula booklet on Trigonometric concepts. Include examples and figures too.</li> <li>Create interactive foldable notes(lapbook) on transformations</li> <li>Create a transformation of Logos of cars seen in UAE.</li> </ul>	<ul> <li>www.mathsisfun.com/algebra/trigonomet ry.html</li> <li>www.mathsteacher.com.au/year10/ch15         <ul> <li>trigonometry/12 elevation_depression/2</li> <li>3elevdep.htm</li> <li>https://www.bbc.com/bitesize/guides/zqw hjty/revision/1</li> </ul> </li> <li>https://www.cimt.org.uk/projects/mepres/step-up/sect4/index.htm</li> <li>https://www.youtube.com/watch?v=JJMZJFWMrpM</li> <li>www.mathsisfun.com/algebra/trig-sin-cos-tan-graphs.html</li> </ul>





	<ul> <li>Reflect, rotate, translate and enlarge shapes.</li> <li>Describe the transformations given the object and image.</li> <li>Perform different transformations on an object.</li> </ul>	<ul> <li>Research and explore the effects of applying various transformations to a shape.</li> <li>A reflection puzzle. The left sandal is reflected across a line drawn between</li> </ul>	vision/2  https://www.mathsisfun.com/data/probabi lity-tree-diagrams.html
	Topic : Averages  Learning Objectives:	two points in the grid to make a right sandal. Can you move A and B to find the line of reflection?	https://mathsmadeeasy.co.uk/gcse-maths- revision/transformations-gcse-revision- and-worksheets/
	<ul> <li>Calculate the mean and mode from grouped frequency.</li> <li>Calculate median and mode from a frequency table.</li> </ul>	Play golf using transformation using mobile or PC's. Try to get the golf ball into the hole with the least number of moves.	https://www.onlinemathlearning.com/transformation-games.html  https://www.transum.org/Software/SW/Starter_of_the_day/Similar.asp?ID_Topic=5
		➤ The numbers on five houses next to each other add up to 100. What are those five numbers?	
SCIENCE	Topic: Heat Energetics of a reaction (Exothermic/Endothermic)	Encourage your child to read the context and summarise your understanding writing at least 5 points.	
Chemistry	Learning Objectives:  ➤ To outline the meaning of exothermic and endothermic reactions.	https://www.thoughtco.com/physical-and-chemical-changes-examples-608338	https://www.thoughtco.com/physical- and-chemical-changes-examples- 608338





> To interpret energy level diagrams showing exothermic and endothermic reactions.

**Topic:** Physical and Chemical reactions

#### **Learning Objectives:**

➤ To recall the type of physical and chemical changes and understand the differences between them with suitable examples.

**Topic:** Rate of Reaction

#### **Learning Objectives:**

- > To identify the different factors affecting the rate of a reaction.
- > To understand what catalysts are and give their real-life uses.
- ➤ To plan and investigate explain the effects of concentration, particle size, temperature, and catalysts on the rate of a reaction.

**Topic:** Order of reactivity of metals and carbon

#### **Learning Objectives:**

Order of reactivity of metals and carbon

- Discuss with your child what do they understand by slow, fast and very fast reactions. How do you measure the rate of a chemical reaction?
- ➤ **Talk** to your child what are the different factors, which would affect the rate of a chemical reaction.
- > Talk to your child about why sodium is stored under oil.
- Discuss why rusting of iron is a slow process. Compare its reactivity with that of sodium or group-1 elements.
- Encourage your child to identify the reactivity of different metals and arrange it from most reactive to least reactive metals. Based on the reactivity of metals discuss with them what are the different ways extracting these metals.
- Encourage your child to identify the reactivity of different metals and arrange it from most reactive to least reactive metals.

- www.chem4kids.com/files/react\_rates\_.html
- http://www.bbc.co.uk/schools/gcsebit esize/science/add\_edexcel/chemical reactions/ratesrev2.shtml
- https://www.bbc.com/bitesize/guides/z cxn82p/revision/1
- https://www.youtube.com/watch?app= desktop&v=-R2eNZRzg7Q
  - https://www.youtube.com/watch? v=TGPPPFczOj0
- https://www.youtube.com/watch?v=2i 5Lm7BMtpo





	<b>V</b>	O	
Physics	To investigate and arrange the reactivity of different metals and carbon in the reactivity series.  Topic: Electrical energy  Learning Objectives:  To identify the power rating of common household electrical devices  To calculate the amount of energy transferred from the mains.  To calculate the cost of mains electricity given the cost per kilowatt-hour (kWh).	<ul> <li>Motivate your child to think of ways by which electrical energy is consumed in daily life</li> <li>Encourage the child to research how electrical energy is used in houses is measured and recorded.</li> <li>Ask your child to analyse and calculate how cost is determined by usage of electrical energy</li> <li>Ask your child to plan and carry out an investigation into the effect of a factor on human reaction time.</li> <li>Encourage the child to relate the concept of reflex arc &amp; encourage students to create an infographic poster on the same using few examples.</li> </ul>	http://www.bbc.co.uk/schools/gcsebit esize/science/aqa/energyefficiency/el ectricalappliancesrev1.shtml
	<u> </u>	I .	1





	Topic: Co-ordination and response	➤ <a href="https://www.hunker.com/1200384">https://www.hunker.com/1200384</a>
Biology	Learning Objectives:	8/the-uses-of-electric-energy
ыоюду	Louining Objectives.	https://www.energy.gov/energysaver
	Investigation on measuring the reaction time	<u>/estimating-appliance-and-home-</u>
	To describe the Structure of CNS is made	<u>electronic-energy-use</u>
	up of the brain and spinal cord; receptors,	https://www1.health.gov.au/internet/
	different types of neurones, coordinator as	publications/publishing.nsf/Content/d
	brain or spinal cord, effectors, synapses.	rugtreat-pubs-front6-wk-toc~drug
	Explain the importance of reflex actions and	https://study.com/academy/lesso
	give examples.	n/how-drugs-affect-the-brain-
		nervous-system.html
		https://www.forbes.com/sites/tho
		maspellechia/2019/07/24/alcohol-
		research-study-results-may-
		depend-on-which-group-backs-
		them/
		https://bmcpublichealth.biomedce ntral.com/articles/10.1186/1471-
		2458-10-789
		<u>≥436-10-769</u> ► https://www.youtube.com/watch?v=F
		m02i4vEi5Q
		> https://www.toppr.com/guides/biology
		/neural-control-and-
		coordination/reflex-action-and-reflex-
		arc/
		<u>utor</u>





	السعادة لا تضل طريقها :Topic	يكتب مقالًا في مفهوم السعادة	https://www.youtube.com/watch?v=RPxR
ARABIC	Learning Objectives:		<u>pkSrKAI</u>
( Arabs)	يحلل الطالب النص تحليلًا أدبيًا		https://www.youtube.com/watch?v=kN BB8NquQSw
	يوظف التفكير الناقد في تحليله		<u> </u>
	يكتب مقالًا عن مفهوم السعادة		
	الأفعال التي تنصب مفعولين أصلهما مبتدأ وخبر :Topic		
	Learning Objectives:	يكتب فقرة مستخدمًا الأفعال التي تنصب مفعولين	
	يتعرف الأفعال التي تنصب مفعولين أصلهما مبتدأ وخبر	أصلهما مبتدأ وخبر	
	يعرب الأفعال مع مفعوليها		
ISLAMIC STUDIES	Topic:	يكتب موضوعا عن العدل وأثره على الفرد والمجتمع	https://www.youtube.com/watch?v=ao
(Arabs)	ما يحل وما يحرم من الطعام والشراب-العدل في	يكتب بحثا عن الظلم	<pre>fwFKw0hLk  https://www.youtube.com/watch?v=sL</pre>
	الاسلام	يكتب موضوعا عن المحرمات من الطعام والشراب	gndU-yDiQ
	Learning Objectives:		
	يبين شروط الصيد		
	يحدد أنواع المحرمات		
	يستنتج قواعد اباحة وتحريم الأطعمة والأشربة		





	يحلل أسباب النهي عن بعض المحرمات يبين مفهوم العدل يحدد مجالات العدل يوضح ثمرات العدل		
ARABIC (Non- Arabs)	<ul> <li>Topic: Weather in the four seasons</li> <li>Learning Objectives:</li> <li>To describe the weather in the four seasons of the year.</li> <li>To compare the weather in his country and the Emirates.</li> <li>To provide a weather bulletin for each of the four seasons of the year.</li> <li>To describe the weather at different times of the day.</li> <li>To compare the weather of the different Emirati environments.</li> <li>To explain the relationship between environmental pollution and weather.</li> <li>To express his opinion on the weather in Seasons the year.</li> </ul>	<ul> <li>Design a mind map for each season of the year.</li> <li>Write a weather report.</li> <li>Write a letter to a friend about the weather in the Emirates.</li> <li>Create a dialog about the weather.</li> <li>Video about the weather in the Emirates.</li> <li>Design a program for tourists to visit the Emirates in the seasons of the year.</li> <li>Formulate a story about the weather in the four seasons, considering the elements of writing a story.</li> </ul>	https://www.youtube.com/watch?v=ACYx4roqXI4  https://www.youtube.com/watch?v=5 HP4ildyE28 https://www.youtube.com/watch?v=5 30HBQt1nHg  https://www.youtube.com/watch?v=UVO3KgkKkYw https://www.youtube.com/watch?v=9zIYNrmnT90 https://www.youtube.com/watch?v=xw1oy7lbpDw





	<ul> <li>To describe how he feels in different weather conditions</li> <li>To suggest solutions to cope with weather conditions.</li> </ul>		
ISLAMIC STUDIES (Non- Arabs)	Topic: Safety & security of a society and unity of its members	Create a video appreciating the role and efforts of UAE rulers and citizens to keep security in society by giving examples.	https://www.youtube.com/watch?v=m vDB2TE0A98
	<ul> <li>Learning Objectives:</li> <li>➤ To comprehend the consequences of instability.</li> <li>➤ To identify everyone's role in keeping security</li> <li>Topic: Pilgrimage – Hajj</li> <li>Learning Objectives:</li> </ul>	Create a chart on the actions of hajj and	https://www.youtube.com/watch?v=itc 0Z9ACO8M
	<ul> <li>To comprehend the significance of Hajj</li> <li>To analyze the spiritual benefits of Hajj</li> </ul>	the actions we should not do during Hajj.	





PSHCEE	<ul> <li>Topic: Child Rights</li> <li>Learning Objectives:</li> <li>To explore the different rights of children</li> <li>To identify the rights of children that are commonly violated</li> </ul>	Discuss with your child the different rights they have and integrate it with the corresponding responsibilities.	https://www.youtube.com/watch?v=H CYLdtug8sk
MORAL EDUCATION	Topic: The Growth of Consultative government in the UAE  Learning Objectives:  ➤ To recognise key developments in the growth of government at local and national levels in the UAE.	<ul> <li>Share with your child about the six leaders and how they shaped the UAE.</li> <li>Encourage your child to read on the local governance and the impact they have on decision making.</li> <li>Talk to your child about the governments, both federal and local, and the UAE's amalgamation of both traditional and modern politics</li> </ul>	http://gulfnews.com/news/uae/society/si x-leaders-and-how-they-helped-shape- uae-1.1937162
HISTORY	Topic: League of nations  Learning Objectives:  To analyse the aims of the league of nations	Research along with your child on the Aims of the LON and the reasons for the failure of the LON	https://www.youtube.com/watch?v=I mwKb6a7MYo





GEOGRAPHY	Topic: Volcanoes & Earthquake  Learning Objectives: To examine the formation of composite volcanoes and the landforms associated with it.	Help your child Evaluate the impact of La Garita volcanic eruption.	https://www.bbc.co.uk/bitesize/guides/zyhv4wx/revision/1  https://www.youtube.com/watch?v=V NGUdObDoLk  https://www.amnh.org/exhibitions/natures-fury-natural-disasters/volcanoes
UAE SOCIAL STUDIES	Topic: River's seaways and canal transportation in N. America  Learning Objectives: To describe and analyse the utility of the major river systems, lakes, and canals of N. America	Research along with your child on the primary river systems and their tributaries, and the significance of canal transportation	UAE SST MOE SST text book yr 9





FRENCH	Topic: A la boutique	Activity:	www.language-gym.com
	<ul> <li>Learning Objectives:</li> <li>➤ To understand information about shops and services</li> <li>➤ To shop for clothes and souvenirs</li> <li>➤ To specify and modify requirements</li> </ul>	Make a vocabulary booklet based on extended shopping vocabulary  https://quizlet.com/560419550/faire-du-shopping-flash-cards/?new  https://quizlet.com/560419851/faire-du-shopping-2-flash-cards/?new  Look and listen:  https://www.youtube.com/watch?v=QJxRwhBlQxl  https://www.youtube.com/watch?v=XF6XO81QNeY  Get inspired and then make up your own dialogue and record a podcast or make a video	www.francaisfacile.com www.linguascope.com www.lepointdufshack le.net www.atantot-extra.co.uk vocabulary games www.languagesonline.org.uk good for vocabulary and grammar





ICT	<ul> <li>Topic: Blockchain Technology</li> <li>Learning Objectives:</li> <li>➤ To compare and contrast the types of blockchain technology and their purpose in everyday life.</li> <li>➤ Explain the features and applications of blockchain technology in real- life.</li> </ul>	<ul> <li>Motivate your child to -</li> <li>Analyze and explain about types of blockchain technology</li> <li>Differentiate the advantages and disadvantages of types of blockchain technology.</li> <li>To examine the different applications of block chain technology in different sectors.</li> <li>To design the 3D model of blockchain technology and demonstrate the working of the same.</li> </ul>	What is Blockchain Technology? - IBM Blockchain   IBM  What Is Blockchain Technology? How Does It Work?   Built In  What Is Blockchain Technology?   Blockchain Technology Explained   Blockchain Tutorial   Simplilearn - YouTube
STEAM	Topic: SAM LAB- Passcode  Learning Objectives:  ➤ To recognize the importance of creating a secure password/passcode for protecting personal information and how to create one.  ➤ To integrate and exhibit learning by programming systems using AND logic blocks that require input of a specific passcode in order for the output to be activated.	<ul> <li>Encourage your child to recognize the importance of creating a secure password for protecting personal information.</li> <li>Parents can explain the importance of using a mixture of letters, numbers and symbols when formulating a password.</li> <li>Design a system that requires a passcode to illuminate an RGB LED.</li> <li>Create a report on how passcode systems work.</li> </ul>	https://samlabs.com/us/