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Year 9- Family Learning Newsletter – January – 2024

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SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	<p>Topic: Narrative Writing</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">To analyse features and format of a narrative.	<p>Activity: Motivate the students to complete the following task.</p> <p>Read at least 2 short stories of your choice or from the ones assigned by your teacher.</p> <p>Analyse the following:</p> <ul style="list-style-type: none">The beginning: how the setting and characters are introduced.How the story develops?How various narrative techniques such as dialogues, foreshadowing, flashbacks and climax etc. are developed?How does the nature, feelings and actions of the characters change as the narrative progresses?How the beginning and ending are connected?Pick up the magazine. Create a short story of 350 words on the first sentence/phrase or picture you see.	<ul style="list-style-type: none">https://thewritelife.com/5-powerful-writing-techniques/



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MATHS	<p>Algebra – Indices</p> <ul style="list-style-type: none">• Apply the rules of indices to simplify algebraic expressions.• Analyze the reciprocal of a number or term and write it as a negative or fractional exponent. <p>Numbers – Map Ratio</p> <ul style="list-style-type: none">• To use proportion and work out the ratio for maps.• To work out the missing length/area/volume using map scale.	<p>Cross-curricular Activity Link–</p> <ul style="list-style-type: none">• Cross-Curricular Links: P.E. –problem-solving English- basic arithmetic Art- shape and space Media - Graphics <p>https://www.transum.org/Maths/Exercise/Map_Scales/</p>	<ul style="list-style-type: none">• https://www.matrix.edu.au/beginners-guide-year-9-maths/part-3-indices/• https://www.transum.org/software/SW/Starter_of_the_day/Students/Indices.asp?Level=5• http://www.mathster.com/worksheets/KS3%20&%20KS4%20Free%20Maths%20Worksheets/Ratios%20-%20map%20and%20model%20scale.s.pdf• https://www.hackmath.net/en/word-math-problems/map-scale
BIOLOGY	<p>Topic: Our Health and the Effects of Drugs</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• Explain the effects of each type of drug on the body.• Examine the link between smoking and cancer.	<p>Activities:</p> <ul style="list-style-type: none">• Encourage the students to research on the types of drugs & their effect on the nervous system.• Motivate the students to create a newspaper column on the effects of smoking & alcohol (on a person & society).• Conduct a debate whether cannabis should be legalised.	<ul style="list-style-type: none">• https://www1.health.gov.au/internet/publications/publishing.nsf/Content/drugtreat-pubs-front6-wk-toc~drugtreat-pubs-front6-wk-secb~drugtreat-pubs-front6-wk-secb-3~drugtreat-pubs-front6-wk-secb-3-1



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	<ul style="list-style-type: none">Describe the medical uses & negative effects of cannabis on the body.Explain the short term & long-term effects of alcohol.		<ul style="list-style-type: none">https://study.com/academy/lesson/how-drugs-affect-the-brain-nervous-system.html
CHEMISTRY	<p>Topic: Formulae for compounds.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">To recall the use of criss-cross methods to write the correct formulas for ionic compounds.To revise the electronic structure for ions and deduce the charges for a given element. <p>Physical and chemical reactions:</p> <ul style="list-style-type: none">To recall the type of physical and chemical changes, and understand the differences between them with suitable examples.	<p>Activities:</p> <ul style="list-style-type: none">Encourage your child to list some of the very useful compounds and to write their correct formulas (using criss-cross method).Read the context and summarise your understanding writing at least 5 points.correct formulae by criss-cross methods.Discuss with them the difference between physical and chemical reactions with suitable examples.Read the context and summarise your understanding writing at least 5 points.Discuss with your child about what do they understand by slow, fast and very fast reaction. How do you measure rate of a chemical reactions?	<ul style="list-style-type: none">https://www.bbc.co.uk/bitesize/guides/zg923k7/revision/3https://chem.libretexts.org/Courses/College_of_Marin/Marin%3A_CHEM_114_-_Introductory_Chemistry_(Daubenmire)/05%3A_Molecules_and_Compounds/5.05%3A_Writing_Formulas_for_Ionic_Compoundshttps://www.thoughtco.com/physical-and-chemical-changes-examples-608338https://www.thoughtco.com/physical-and-chemical-changes-examples-608338



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	<ul style="list-style-type: none">To identify physical and chemical changes, and understand the differences between them. <p>Rate of reaction:</p> <ul style="list-style-type: none">To identify the different factors affecting the rate of a reaction.To outline the effects of concentration, particle size temperature and catalysts on the rate of a reaction.To understand what catalyst 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.	<ul style="list-style-type: none">Talk to your child what are the different factors, which would affect rate of a chemical reaction.Encourage your child to identify the reactivity of different metals and arrange it from most reactive to least reactive metals.	<ul style="list-style-type: none">https://www.bbc.co.uk/bitesize/guides/zwd2mp3/revision/5https://www.thoughtco.com/physical-and-chemical-changes-examples-608338www.chem4kids.com/files/react_rates.htmlhttp://www.bbc.co.uk/schools/gcsebitesize/science/add_edexcel/chemical_reactions/ratesrev2.shtmlhttps://www.bbc.com/bitesize/guides/zcxn82p/revision/1
PHYSICS	<p>Topic:</p> <p>Learning Objectives:</p>	<p>Activities: Motivate your child to</p> <ul style="list-style-type: none">Analyze and explore about the various types of energy around them.	<ul style="list-style-type: none">https://www.britannica.com/science/conservation-of-energy



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	<ul style="list-style-type: none">To appreciate law of conservation of energy.To explain energy changes in daily life.To calculate efficiency.To explain energy changes in matter and its effect such as internal energyTo calculate kinetic energy and potential energy.To explain energy changes in falling bodies.	<ul style="list-style-type: none">Identify and research the basic source of energy and how energy is converted from one form to another.Research on loss of energy when a machine works and hence the efficiency of a system.	<ul style="list-style-type: none">http://www.solarschools.net/resources/stuff/different_forms_of_energy.aspxhttp://www.bbc.co.uk/schools/gcsebitesize/science/aqa_pre_2011/energy/heatre6.shtmlhttp://examples.yourdictionary.com/law-of-conservation-of-energy-examples.html
ISLAMIC STUDIES (Arabs)	<p>Topic: الإيمان فضل من الله - ما يحل وما يحرم من الطعام والشراب</p> <p>Learning Objectives:</p> <p>أن يفسر الآيات من سورة الحجرات</p> <p>أن يشرح مفردات الآيات</p> <p>يميز بين الحلال والحرام من الطعام والشراب</p>	<p>أن يحفظ الآيات من سورة الحجرات</p> <p>أن يحدد القيم التي اشتملت عليه الآيات</p> <p>أن يبين أنواع المحرمات من الطعام والشراب</p> <p>أن يحلل أسباب النهي عن بعض المحرمات</p>	<ul style="list-style-type: none">https://www.youtube.com/watch?v=msNzTwFxWQYhttps://www.youtube.com/watch?v=WQqbiIM1cMY



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	يستنتج قواعد إباحة أو تحريم الأطعمة أو الأشربة		
ARABIC (Arabs)	<p>Topic:</p> <p>الأفعال التي تنصب مفعولين أصلهما المبتدأ والخبر الأفعال التي تنصب مفعولين ليس أصلهما المبتدأ والخبر التوابع (التوكيد)</p> <p>Learning Objectives:</p> <p>1. يتعرف الأفعال التي تنصب مفعولين أصلهما المبتدأ والخبر وليس أصلهما المبتدأ والخبر</p>	<p>1. يحدد الأفعال التي تنصب مفعولين في النصوص المختلفة. 2. يعرب جملة الأفعال التي تنصب مفعولين إعرابًا تامًا. 3. يميز بين أنواع التوكيد في النصوص المختلفة. 4. يوظف التوكيد في كتابته.</p>	<ul style="list-style-type: none">• https://www.youtube.com/watch?v=rXwv5C17bAY• https://www.youtube.com/watch?v=-XCCw_S0ehY• https://www.youtube.com/watch?v=kNB8NquQSw• https://www.youtube.com/watch?v=3pLY8uT7yd0



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	2. يوظفها في كتابته توظيفًا صحيحًا 3. يحدد أنواع التوكيد 4. يعرب جملة التوكيد إعرابًا تامًا.		
ARABIC (Non- Arabs)	Topic: Smoking Learning Objectives: <ul style="list-style-type: none">To describe the types of smokingTo deduce the dangers of smoking.To create a report and an article about the harms and causes of smoking.To suggest solutions to quit smoking.To express his opinion on the problem of smoking.To establish a dialogue with a smoker.	Activities: <ul style="list-style-type: none">Motivate the child to create a video about the harms of smoking, drugs and addiction.Encourage your child to write about the harms of smoking.Encourage your child to create a mental map of the causes of smoking.Motivate your child to write a letter about the harms of drugs and engage into a dialogue with a doctor about the dangers of smoking.	<ul style="list-style-type: none">https://www.youtube.com/watch?v=JRKKCu84XFohttps://www.youtube.com/watch?v=MgHxEq0xrRchttps://www.youtube.com/watch?v=Eg6Qa5mnZwchttps://www.youtube.com/watch?v=gkoB3kj9PYhttps://www.youtube.com/watch?v=W6hwmdZbmEhttps://www.youtube.com/watch?v=FQU-ckbsatA



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	<ul style="list-style-type: none">• To design signs about the dangers of smoking.• To give advice to the smoker.• To Describe how he or she feels about living in a smoking/non-smoking environment• To create a full-fledged story about a smoker.• To clarify the role of the UAE in reducing smoking.		
ISLAMIC STUDIES (Non- Arabs)	Topic: Zakat- Alms giving in Islam Learning Objectives: <ul style="list-style-type: none">• To explain the concept of Zakat linguistically and idiomatically.• To analyze the benefits and advantages of zakat for individuals and society.	Activities: <ul style="list-style-type: none">• Motivate your child to research and create two mind maps of the advantages of Zakat for the society.	<ul style="list-style-type: none">• https://www.youtube.com/watch?v=j8RxKCMvVIY&pp=ygUFemFrYWg%3D



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	<ul style="list-style-type: none">To create a plan to calculate Nisab		
PSHCEE	Topic: Road Safety and Human Rights Learning Objectives: <ul style="list-style-type: none">To understand how some attitudes and behaviour can cause incidentsTo explore the concept of human rights	Activities: <ul style="list-style-type: none">Encourage your child to behave well when crossing the road or when travelling.Motivate your child to have a discussion on different human rights that are commonly violated.	<ul style="list-style-type: none">https://www.youtube.com/watch?v=nDgIVseTkuE&t=12s
MORAL EDUCATION	Topic: Valuing Diversity Learning Objectives: <ul style="list-style-type: none">To understand the benefits and challenges of diversity within their community and across the UAE	Activities: <ul style="list-style-type: none">Motivate your child to have a discussion on the concept of equality and human rights, and how child labour contravenes these rights.Encourage your child to show respect to the different cultures and avoid prejudices.	<ul style="list-style-type: none">https://www.youtube.com/watch?v=PSt_o p3fQck&list=PLCIXiOzJlcPDLTpKpKD0YnIP6F84WyD12



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HISTORY	<p>Topic: Russian Empire in the 19th Century</p> <p>LEARNING OBJECTIVES:</p> <ul style="list-style-type: none">To examine the Russo Japanese War as a factor for Bloody Sunday.	<p>Activities:</p> <ul style="list-style-type: none">Motivate your child to have a discussion on, how far did Bloody Sunday bring changes in the political arena in Russia?	<ul style="list-style-type: none">https://www.facinghistory.org/resource-library/propaganda-during-world-war-i-appeal-you
GEOGRAPHY	<p>TOPIC: Plate Tectonic</p> <p>Learning OBJECTIVES:</p> <ul style="list-style-type: none">To examine the structure and movement of tectonic plates.	<p>Activities:</p> <ul style="list-style-type: none">Along with your child, explain the affect of convection currents on the surface of the Earth.	<ul style="list-style-type: none">https://www.amnh.org/exhibitions/natural-history-of-the-earth/res-fury-natural-disasters/volcanoeshttps://www.amnh.org/exhibitionshttps://www.youtube.com/watch?v=VNGUdObDoLk



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UAE SOCIAL STUDIES	<p>TOPIC: TOPIC: African resources and economy</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none">To examine the economic growth of Kenya.	<p>Activities: Motivate your child to answer the following questions:</p> <ul style="list-style-type: none">What is the major export of Kenya?Make a comparison of the tea plantations of Kenya with Munnar valley in India.Why would China want to support transportation & development in Kenya? Explain.	<ul style="list-style-type: none">Yr 9 UAE SST MOE textbook
FRENCH	<p>Topic: Au restaurant</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">To exchange information and opinions about meals and eating habits.To communicate while buying food in different types of shops.To order drinks and snacks in a cafe or a restaurant.	<p>Activities: Encourage your child to prepare a role play based on these instructions:</p> <ul style="list-style-type: none">Vous allez au restaurant en France avec un(e) ami(e).Saluez l'employé(e). Dites que vous voudriez une table pour deux personnes.Dites ce que vous voudriez comme plat principal pour vous et votre ami(e).Commandez deux sortes de légumes différentes.Commandez 2 boissons différentes pour vous et votre ami(e).	<ul style="list-style-type: none">https://www.french-games.netwww.language-gym.comwww.quizlet.comwww.francaisfacile.comwww.tv5monde.frwww.france5.frwww.la1.bewww.duolingo.com



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	<ul style="list-style-type: none">To use quantity expressions and forms of “le conditionnel présent”	<ul style="list-style-type: none">Vous cherchez les toilettes. Posez une question appropriée.	
ICT	<p>Topic: Data representation</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">➤ To understand how and why computers use binary to represent all forms of data➤ To explore the importance of the denary, binary and hexadecimal number systems and its conversion from one form to the other.	<p>Activities: Encourage your child to</p> <ul style="list-style-type: none">Research and explain the different number systems.Research in order to understand the basic concept of Hexa decimal number system.Convert a Hexa decimal number into decimal and explain the steps of conversion.	<ul style="list-style-type: none">http://www.mathsisfun.com/binary-decimal-hexadecimal-converter.htmlhttp://csunplugged.org/binary-numbers



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STEAM	Topic: Smart Lighting System Learning Objectives: <ul style="list-style-type: none">To investigate about smart lighting grids and what makes them energy efficient	Activities: Motivate your child to <ul style="list-style-type: none">Research the benefits of smart lighting systems and investigate how it is energy efficient.Explore the working of Smart Lighting Systems.Research on the Best Smart Lighting Systems for 2022.Create a presentation that shows the functions of various Smart Lighting Systems and how they are different from each other.	<ul style="list-style-type: none">https://www.allhomerobotics.com/the-best-smart-lighting-systems/#:%7E:text=Using%20a%20smart%20lighting%20system,even%20by%20using%20voice%20commands
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