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Year 9- Family Learning Newsletter – January - 2022

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	<p>Topic: To develop narrative skills.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">➤ To analyse features and format of a narrative.	<p>Encourage your child to read at least 2 short stories to analyse</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/
MATHS	<p>Topic: 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>Topic: Map Ratio</p>	<p>Engage your child in the Cross-curricular Activity Link–</p> <p>Cross-Curricular Links: P.E. –problem-solving English-basic arithmetic Art- shape and space Media - Graphics</p> <ul style="list-style-type: none">➤ https://www.transum.org/Maths/Exercise/Map_Scales/	<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



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	<ul style="list-style-type: none"> ➤ Apply proportion and work out the ratio for maps. ➤ Evaluate the missing length/area/volume using map scale. <p>Topic: Pythagoras Theorem</p> <ul style="list-style-type: none"> ➤ Analyze and understand Pythagoras Theorem to the right angles triangles to find the missing sides. 	<ul style="list-style-type: none"> ➤ https://www.mathsisfun.com/pythagoras.html 	<p>%20Worksheets/Ratios%20-%20map%20and%20model%20scales.pdf</p> <ul style="list-style-type: none"> ➤ https://www.hackmath.net/en/word-math-problems/map-scale ➤ https://www.bbc.co.uk/bitesize/guides/znnycdm/revision/4 ➤ https://www.bbc.co.uk/bitesize/guides/znnycdm/revision/4 ➤ https://templatelab.com/pythagorean-theorem-worksheet/
		<ul style="list-style-type: none"> ➤ Encourage your child to research on the types of drugs & their effect on the nervous system. 	



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<p>SCIENCE</p> <p>BIOLOGY</p>	<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. ➤ 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"> ➤ Create a newspaper column on the effects of smoking & alcohol (on a person & society). ➤ Conduct a debate whether cannabis should be legalised. <p>Activity:</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). 	<ul style="list-style-type: none"> ➤ https://www1.health.gov.au/internet/publications/publishing.nsf/Content/drugtr eat-pubs-front6-wk-toc~drugtreat-pubs-front6-wk-secb-drugtreat-pubs-front6-wk-secb-3~drugtreat-pubs-front6-wk-secb-3-1 ➤ https://study.com/academy/lesson/how-drugs-affect-the-brain-nervous-system.html
<p>CHEMISTRY</p>	<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>Topic: Physical and chemical reactions:</p>	<ul style="list-style-type: none"> ➤ Read the context and summarise your understanding writing at least 5 points. <p>https://www.bbc.co.uk/bitesize/guides/zqrxsbk/revision/2</p> <ul style="list-style-type: none"> ➤ correct formulae by criss-cross methods. ➤ Discuss with your child the difference between physical and chemical reactions with suitable examples. 	<ul style="list-style-type: none"> ➤ https://www.bbc.co.uk/bitesize/guides/zg923k7/revision/3 ➤ https://chem.libretexts.org/Courses/College_of_Marin/Marin%3A_A_CHEM_114 - Introductory Chemistry (Daubenmire)/05%3A_Molecules_and_Compounds/5.05%3A_Writing_Formulas_for_Ionic_Compounds ➤ https://www.thoughtco.com/physical-and-chemical-changes-examples-608338



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	<p>Learning Objectives:</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.➤ To identify physical and chemical changes and understand the differences between them. <p>Topic: Rates of Reaction</p> <p>Learning Objectives:</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	<p>Activity:</p> <p>Encourage your child to list some of the very useful compounds and to write their correct formulas (using criss-cross method).</p> <p>Read the context and summarise your understanding writing at least 5 points. https://www.bbc.co.uk/bitesize/guides/zgrxsbk/revision/2</p> <p>Correct formulae by criss-cross methods.</p> <p>Discuss with them the difference between physical and chemical reactions with suitable examples.</p> <p>Read the context and summarise your understanding writing at least 5 points. https://www.thoughtco.com/physical-and-chemical-changes-examples-608338</p> <p>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?</p>	<ul style="list-style-type: none">➤ https://www.thoughtco.com/physical-and-chemical-changes-examples-608338➤ https://www.bbc.co.uk/bitesize/guides/zwd2mp3/revision/5➤ https://www.thoughtco.com/physical-and-chemical-changes-examples-608338➤ www.chem4kids.com/files/react_rates.html➤ http://www.bbc.co.uk/schools/gcsebitesize/science/add_edexcel/chemical_reactions/ratesrev2.shtml➤ https://www.bbc.com/bitesize/guides/zcxn82p/revision/1➤ https://www.britannica.com/science/conservation-of-energy
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PHYSICS	<p>catalysts on the rate of a reaction.</p> <p>Topic: Energy</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• Would be able to appreciate law of conservation of energy would be able to explain energy changes in daily life• Would be able to calculate efficiency would be able to explain energy changes in matter and its effect such as internal energy• Would be able to calculate kinetic energy and potential energy would be able to explain energy changes in falling bodies	<p>Talk to your child what are the different factors, which would affect rate of a chemical reaction.</p> <p>Encourage your child to identify the reactivity of different metals and arrange it from most reactive to least reactive metals.</p> <ul style="list-style-type: none">➤ Motivate the child to analyze and explore about the various types of energy around you.➤ Ask the child to identify and research the basic source of energy and how energy is converted from one form to another.➤ Encourage the child to 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.aspx➤ http://www.bbc.co.uk/schools/gcsebitesize/science/aqa_pre_2011/energy/heatrev6.shtml➤ http://examples.yourdictionary.com/law-of-conservation-of-energy-examples.html
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ARABIC (Arabs)	<p>Topic: الناس والزمان</p> <p>Learning Objectives:</p> <p>أن يحلل النص الشعري تحليلًا أدبيًا</p> <p>أن يحدد الفكرة الرئيسة والأفكار الفرعية</p> <p>أن يفسر النص تفسيرًا إجماليًا</p> <p>أن يقارن بين النص ونص آخر من ناحية الأفكار والأسلوب</p> <p>Topic: اسم المفعول</p> <p>Learning Objectives:</p> <p>أن يتعرف الطالب اسم المفعول</p> <p>أن يصيغ اسم المفعول</p> <p>أن يستخدمه في كتاباته</p>	<p>يكتب الطالب موضوعًا عن ضرورة استفادة الإنسان من تجاربه في الحياة</p> <p>يكتب الطالب فقرة مستخدمًا اسم المفعول</p>	<p>https://www.youtube.com/watch?v=iMjGcOG-Nlc</p> <p>https://www.youtube.com/watch?v=LjA8pIIhA80</p>



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ISLAMIC STUDIES (Arabs)	<p>Topic: الإيمان فضل من الله تعالى-العدل في الإسلام</p> <p>Learning Objectives:</p> <p>* أن يحدد الطالب مجالات العدل في الإسلام مع الاستدلال بالقرآن والأحاديث</p> <p>أن يوضح ثمرات تحقيق العدل في المجتمع</p>	<p>يبتعد عن التقليد الأعمى ويحرص على الالتزام بتعاليم الإسلام</p> <p>يبحث عن دور الامام مسلم في تدوين الحديث الشريف</p> <p>يكتب بحثا عن الأيمان وأثره على الفرد في الدنيا والآخرة</p>	<p>https://www.youtube.com/watch?v=aofwFKw0hLk</p> <p>https://www.youtube.com/watch?v=a7ICmg94U2c</p>
ARABIC (Non- Arabs)	<p>Topic: Bad habits for health smoking/addiction/drugs</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">➤ To describe the types of smoking➤ To deduce the dangers of smoking.➤ To create a report and an article about the harms and causes of smoking.	<p>Motivate your child to create a video about the harms of smoking, drugs and addiction.</p> <ul style="list-style-type: none">➤ Write signs about the harms of smoking.➤ Regulate potency to explain the causes and harms of drugs.➤ Provide advice to smokers and addicts.➤ Create a Play about the serious harms of unhealthy habits such as smoking and addiction.➤ Create a mental map of the causes of smoking.➤ Write a letter about the harms of drugs.➤ Start a dialogue with a doctor about the dangers of smoking.	<p>https://www.youtube.com/watch?v=JRKKCu84XFo</p> <p>https://www.youtube.com/watch?v=MgHxEq0xrRc</p> <p>https://www.youtube.com/watch?v=Eg6Qa5mnZwc</p> <p>https://www.youtube.com/watch?v=_gkoB3kj9PY</p>



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	<ul style="list-style-type: none">➤ To suggest solutions to quit smoking.➤ To express his opinion on the problem of smoking.➤ To establish a dialogue with a smoker.➤ To create a full-fledged story about a smoker.➤ To clarify the role of the UAE in reducing smoking.➤ 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 explain the harms of drugs.➤ -To suggest solutions to addiction.➤ To express his opinion on the issue of addiction.➤ To conclude the effects of drugs on the individual and society	<ul style="list-style-type: none">➤ Interview a policeman about how to deal with drugs and addiction.➤ Provide guidance to colleagues explaining the dangers of smoking and drugs.	<p>https://www.youtube.com/watch?v=IW6hwmdZbmE</p> <p>https://www.youtube.com/watch?v=FQU-ckbsatA</p> <p>https://www.youtube.com/watch?v=RGe0bfb1gtM</p>
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	<ul style="list-style-type: none"> ➤ To analyse the problem of addiction with causes, consequences and solutions ➤ To clarify the role of the UAE in confronting addiction. 		
ISLAMIC STUDIES (Non- Arabs)	<p>Topic: ** Al-Hajj- The Pilgrimage</p> <p>Learning Objective :</p> <ul style="list-style-type: none"> ➤ To explain the meaning and rulings of Hajj. ➤ To identify the rituals and acts of Hajj performed by Prophet Muhammad(s) <p>Topic: Permissible (Halal) and (Haram)Forbidden Foods and Drinks</p> <p>Learning Objective :</p> <ul style="list-style-type: none"> ➤ To elucidate the types and prohibition of haram food (by referencing Quran & Ahadeeth). ➤ To explore the link between science and religion (regarding pork and alcohol by giving 	<ul style="list-style-type: none"> ➤ Along with your child watch a video and discuss about the rituals and acts of Hajj ➤ Teach how to give advice by play role and making posters ➤ Search and Create a power point with the title " Guidelines to Halal and Haram food in Islam" . Support your answer with rules of fiqh and ayat and Hadeeth. <p>Motivate your child to create a video about the rights on each other and explain the importance of helping each other by giving example from the life of Prophet (P.B.U.H)</p>	<p>https://www.youtube.com/watch?v=qZ9n4V9lZkE</p> <p>https://www.youtube.com/watch?v=ZXs-b83cHx4</p>



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	<p>example from Quran & Ahadeeth))</p> <ul style="list-style-type: none">➤ To evaluate the consequences of consuming haram food. (by giving examples from real life) <p>Topic: A Muslim's right on his brother</p> <p>Learning Objective :</p> <ul style="list-style-type: none">➤ To elucidate the importance of helping each other. (By referencing ayat & Ahadeeth)➤ To analyze the consequences of not helping others. (By referencing real life)➤ To evaluate the benefits of helping others on an individual and society. (by giving examples from Seerah)		
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PSHCEE	<p>Topic: Road Safety and Human Rights</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">➤ To understand how some attitudes and behaviour can cause incidents➤ To explore the concept of human rights	<p>Encourage your child to behave well when crossing the road or when travelling.</p> <p>Discuss with your child the different human rights that are commonly violated.</p>	<p>https://www.youtube.com/watch?v=nDgIVseTkuE&t=12s</p>
MORAL EDUCATION	<p>Topic: The Growth of Consultative Government in the UAE</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">➤ To recognise key developments in the growth of government at local and national levels in UAE.	<p>Talk to your child about the governments, both federal and local, and the UAE's amalgamation of both traditional and modern politics</p>	<p>https://u.ae/en/about-the-uae/the-uae-government/political-system-and-government</p>
HISTORY	<p>Topic: Cold War & Cultural Revolution</p> <p>Learning Objectives:</p>	<ul style="list-style-type: none">➤ Along with your child watch short documentaries and videos on the Cold War.➤ Discuss the aftermath of life after the nuclear attack	<p>https://www.youtube.com/watch?v=ujbapnrAKXA</p> <p>https://www.youtube.com/watch?v=TfJy_wduFy4</p>



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	<ul style="list-style-type: none"> ➤ To understand about the cold war and how chairman Mao changed China 	<ul style="list-style-type: none"> ➤ Research and read about the cultural Revolution and make a poster presentation 	https://www.history.com/topics/china/cultural-revolution https://www.history.com/topics/cold-war/cold-war-history
GEOGRAPHY	<p>Topic: Continental Drift</p> <p>Learning Objectives:</p> <p>To evaluate the theory of Continental Drift</p>	<ul style="list-style-type: none"> ➤ Discuss with your child the following question: ➤ How can we justify that the Earth's continents were once joined together? 	<ul style="list-style-type: none"> ➤ https://letstalkscience.ca/educational-resources/backgrounders/continental-drift-and-plate-tectonics ➤ https://www.youtube.com/watch?v=5q8hzF9VVE
UAE SOCIAL STUDIES	<p>Topic: The land and geography of North America</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> ➤ To identify and analyse the geographical features of the North American continent 	<p>Help your child research and find out the answer to the following question:</p> <ul style="list-style-type: none"> ➤ Why do some areas of the Arctic have for darkness half the year and sunlight for half the year? 	Ministry of Education Text Book Social Studies: Our UAE, OUR WORLD: UNDERSTANDING OUR PAST, PRESENT AND FUTURE



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	including rivers, mountains and natural resources		
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➤ To use quantity expressions and forms of "le conditionnel présent"	<p>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).➤ Vous cherchez les toilettes. Posez une question appropriée.	<ul style="list-style-type: none">➤ https://www.french-games.net➤ www.language-gym.com➤ www.quizlet.com➤ www.francaisfacile.com➤ www.tv5monde.fr➤ www.france5.fr➤ www.la1.be➤ www.duolingo.com



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ICT	<p>Topic: Introduction to Java Script</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">➤ To Research and Examine about JavaScript language and its purpose in everyday life.	<ul style="list-style-type: none">➤ Encourage your child to research and explain about the different programming languages.➤ Students to understand the basic concept of data types in JavaScript➤ Create a simple JavaScript program and explain the purpose of JavaScript and its applications.	<ul style="list-style-type: none">➤ https://www.w3schools.com/js/default.asp➤ https://www.khanacademy.org/computer-programming/defining-your-own-functions-javascript/877982168
STEAM	<p>Topic: Smart Lighting System</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">➤ To investigate about smart lighting grids and what makes them energy efficient.	<ul style="list-style-type: none">➤ Encourage your child to explore the benefits of smart lighting systems and investigate how it is energy efficient.➤ Motivate your child to 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.➤ Parents can help to gather the information and complete the presentation.	<ul style="list-style-type: none">➤ https://www.allhomerobotics.com/the-best-smart-lighting-systems/#:~:text=Using%20a%20smart%20lighting%20system,even%20by%20using%20voice%20commands.