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Year 9- Family Learning Newsletter – June - 2022

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	<p>Topic: Poetry</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> ➤ To enable learners to identify different genres of poetry. ➤ To enable learners to analyse poems. 	<p>Motivate your child to complete the following activities:</p> <ul style="list-style-type: none"> ➤ Recollect any poems you have read or studied as a child and share the same with your child. ➤ Discuss what made the poem memorable and re-read the same with your ward. ➤ Watch the videos on the links provided and analyse the revisited poem with your child. ➤ Share the newer learning and analysis formed. 	<ul style="list-style-type: none"> ➤ https://www.poemhunter.com ➤ https://www.youtube.com/watch?v=P4DBWPzLCfE ➤ https://www.youtube.com/watch?v=GJsTK_OqIbw
MATHS	<p>Topic: Graphical Inequalities</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> ➤ To draw the inequality graph and shade the region that satisfies the given inequalities. ➤ Analyze and evaluate problems on shading unwanted region in an inequality. <p>Topic: Solving Quadratic Equation</p> <p>Learning Objectives:</p>	<p>Encourage your child to engage in the Cross-curricular Activity –</p> <p>Speed limits on the highway, minimum payments on credit card bills, number of text messages you can send each month from your cell phone, and the amount of time it will take to get from home to school. All of these can be represented as mathematical inequalities.</p> <p>Often in real life we find ourselves in situations that can be represented mathematically by</p>	<p>www.mathworksheets4kids.com/inequalities.php</p> <p>https://www.mathsisfun.com/algebra/inequality-solving.html</p> <p>http://www.softschools.com/math/algebra/inequalities/</p> <p>https://corbettmaths.com/wp-content/uploads/2013/02/graphical-inequalities-pdf.pdf</p>



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	<ul style="list-style-type: none"> ➤ Solve Quadratic equation by applying Factorisation. 	<p>inequalities. For example, if we want to take a taxi, we may find that the charge is £1.50 standard charge plus 50p per mile. If we only have £20, then we can describe the situation with the following inequality:</p> $£1.5 + £0.5M \leq £20$	<p>https://mathsmadeeasy.co.uk/gcse-maths-revision/graphical-inequalities-gcse-maths-revision-worksheets/</p> <p>https://www.mathsisfun.com/algebra/graphing-linear-inequalities.html</p>
<p>BIOLOGY</p>	<p>Topic: Ecology</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> ➤ Discuss the advantages of using a pyramid of biomass rather than a pyramid of numbers to represent a food chain ➤ Interpret food chains and food webs in terms of identifying producers and consumers ➤ Illustrate why the transfer of energy from one trophic level to another is inefficient. ➤ Explain that chromosomes are made of genes containing DNA, and describe the structure of DNA. ➤ To Explore the History of classification 	<p>Motivate your child to complete the following activities:</p> <ul style="list-style-type: none"> ➤ Debate on the topic: Pyramid of biomass is advantageous than pyramid of numbers to represent a food chain. ➤ Encourage your child to research and develop a logistic model of food chain and food web of different habitat. ➤ Ask your child to create a presentation on transfer of energy from one trophic level to another. ➤ Motivate your child to think different ways of conserving the natural resources. ➤ Create a poster board display / a model that shows the structure and function of DNA. 	<ul style="list-style-type: none"> ➤ https://biology-igcse.weebly.com/ecosystem.html ➤ https://www.bbc.com/bitesize/topics/zxfd3k7 ➤ https://youtu.be/lnAKlCtJIA4 ➤ https://www.nationalgeographic.org/encyclopedia/conservation/



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CHEMISTRY	<p>Topic: Balancing equations</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">➤ To construct word equations and simple balanced chemical equations. <p>Topic: Ceramics, Polymers and Composites:</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">➤ To have a knowledge and understanding of examples, uses and structure of the types of materials – polymers, ceramics or composites.	<p>➤ Encourage the students to watch the documentaries on biological classification & evolution and make a report on the same.</p> <p>Activities:</p> <ul style="list-style-type: none">➤ Discuss with your child to give some real-life examples of chemical reactions and try to balance those equation. Examples combustion, neutralisation, photosynthesis.➤ Talk to your child about Ceramics and Polymers, what are they and what are their composition. List their real life uses.➤ Discuss with them the different types of polymers, how are they made and their uses based on their composition.➤ Encourage your child to identify the difference between synthetic and natural polymers➤ Research on formation of a star➤ Use of light year in estimating the distance between stars.➤ Research on Black holes	<ul style="list-style-type: none">➤ https://pmgbiology.com/2014/10/21/dna-structure-and-function-igcse-a-understanding/➤ https://www.youtube.com/watch?v=F7tVnQ4tVKk➤ https://www.wikihow.com/Balance-Chemical-Equations➤ http://www.webqc.org/balance.php➤ https://www.bbc.com/bitesize/guides/ztxnsbk/revision/1➤ https://www.bbc.com/bitesize/guides/zyfgmnb/revision/1➤ https://www.youtube.com/watch?v=Q7MG-LahuX4
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PHYSICS	<p>Topic: Universe</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">➤ To Describe the life cycle of a star➤ To Relate our Sun to other stars➤ To Explain the concept of galaxies and the position of our galaxy compared to others	<ul style="list-style-type: none">➤ Create a list of questions based on Bloom's taxonomy to check understanding of topic of galaxy with your peers.	<ul style="list-style-type: none">➤ https://www.youtube.com/watch?v=wsCedw3iBU0➤ https://www.youtube.com/watch?v=HdPzOWILrbE
ARABIC (Arabs)	<p>Topic: في حياة طفلة</p> <p>Learning Objectives:</p> <p>يحلل النص تحليلًا أدبيًا يحدد افكرة الرئيسة والأفكار الداعمة يكتب موضوعًا عن أهمية المكتبات</p> <p>Topic: العدد تذكيره وتأتيته</p> <p>Learning Objectives:</p>	<p>يكتب موضوعًا عن أهمية المكتبات</p>	<p>https://sites.google.com/site/libraq8/testttt</p>



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	<p>يتعرف تذكير وتأنيث العدد يستخدمه في كتاباته</p>	<p>يكتب فقرة مستخدمًا الأعداد في حالي المذكر والمؤنث</p>	<p>https://www.youtube.com/watch?v=4nBmHRzmd8</p>
<p>ISLAMIC STUDIES (Arabs)</p>	<p>Topic:- 96-75 -سورة الواقعة من Learning Objectives:</p> <p>يفسر معاني المفردات يبين مكانة القرآن الكريم يبين الدلالات الواردة في الآيات يحدد أعمال وصفات المقربون أن يوضح مخاطر لتقليد أن يحدد أسباب التقليد الأعمى أن يميز بين أنواع التقليد</p>	<p>يكتب موضوعا عن التقليد الأعمى أن يكتب بحثًا عن نعيم الجنة أن يكتب موضوعا عن مخاطر التثليل دون تفكير</p>	<p>https://www.youtube.com/watch?v=Z3VAP17ufWY https://www.youtube.com/watch?v=aHS4giy8WV/k</p>



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<p style="text-align: center;">ARABIC (Non- Arabs)</p>	<p>Topic: Charity</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> ➤ To mention some good deeds. ➤ To explain the importance of good deeds. ➤ To differentiate between voluntary work and donation work. ➤ To describe a day in the orphanage. ➤ To deduce the value of volunteer work for the community. ➤ To analyse the value of charitable work. ➤ To evaluate charitable work. 	<p>Along with your child:</p> <p>Activities:</p> <ul style="list-style-type: none"> ➤ Design a mind map for volunteer work. ➤ Write a letter to friends about the importance of charity. ➤ Make a video about volunteer work. ➤ A mental scheme for famous personalities in the Emirates. ➤ Designing a board about the most important Emirati leaders. ➤ A comparison between Emirati societal values and his country. ➤ Writing a tweet about the most important Emirati leaders 	<ul style="list-style-type: none"> ➤ https://www.youtube.com/watch?v=HYpdpxj_PH0 ➤ https://www.youtube.com/watch?v=s_ndqOBMm1k ➤ https://www.youtube.com/watch?v=8Ea7auiRUwA ➤ https://www.youtube.com/watch?v=7oGeXOVh_Ww ➤ https://www.youtube.com/watch?v=ICB8MDMmVIE ➤ https://www.youtube.com/watch?v=sVyqCvJpfqk ➤ https://www.youtube.com/watch?v=rtWVoD8EJDw&t=162s ➤ https://www.youtube.com/watch?v=GR8CdsMweF4
<p style="text-align: center;">ISLAMIC STUDIES (Non- Arabs)</p>	<p>Topic: Social Laws in the Holy Quran Intellectual Tolerance</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> ➤ To define the concept of social Laws. ➤ To explain the effect of Divine social Laws on societies. ➤ To explain some Divine Laws mentioned in The Holy Quran. ➤ To explain the effects of intellectual tolerance 	<p>Motivate your child to complete the following activities:</p> <ul style="list-style-type: none"> ➤ Write about intellectual tolerance in Islam ➤ Design a mind map about ways to call to intellectual tolerance ➤ Design a banner about intellectual tolerance ➤ The debate about the affection of social laws in Qur'an ➤ Write about how to apply them in our daily life. 	<ul style="list-style-type: none"> ➤ https://www.youtube.com/watch?v=iB-ICs8kUzU&ab_channel=QuranWeekly ➤ https://www.youtube.com/watch?v=4A5f7qQmuqQ ➤ https://www.youtube.com/watch?v=o60gxZNtnns



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	<p>on individuals and society.</p> <ul style="list-style-type: none">➤ To find examples of Muslim's tolerance of non-Muslims over the centuries.➤ To embrace and call for tolerance		
PSHCEE	<p>Topic: Dealing with Change and Your Image in a Digital World</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">➤ To identify changes and how to deal with some of the challenges that can arise with change.➤ Evaluate how social media can influence and affect perceptions about body image and cause stress	<p>Activities</p> <p>Discuss with your children the importance of dealing with the changes that may happen in our lives.</p> <p>Discuss with your children how social media can have a bad effect on a person's self-worth.</p>	<p>https://www.youtube.com/watch?v=nxolrIIWEMQ</p>



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<p style="text-align: center;">MORAL EDUCATION</p>	<p>Topic: Dealing with Conflict</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> ➤ To allow young people to explore the concept of conflict and prepare them to cope with struggles on an individual basis as well as well as on a domestic and social level. ➤ To discover a range of problem-solving strategies as well as intrapersonal and interpersonal skills to be used in the classroom and, more widely, in society 	<p>Activity:</p> <ul style="list-style-type: none"> ➤ Discuss with your children the importance of dealing conflicts, whether it's internal or external. ➤ Encourage your children to identify some strategies they can use in dealing with conflicts. 	<p>https://www.youtube.com/watch?v=QLbGHQo4qnA</p>
<p style="text-align: center;">HISTORY</p>	<p>Topic: World War II-Cold War</p> <p>Learning Objectives: To investigate the causes and impact of Cuban Missile Crisis</p>	<p>Activity:</p> <ul style="list-style-type: none"> ➤ Help your child research and answer the following questions: ➤ Why was the Cuban Missile Crisis so dangerous? Explain. Who won the crisis? Justify your answer. 	<ul style="list-style-type: none"> ➤ https://www.atomicheritage.org/history/nuclear-close-calls-cuban-missile-crisis ➤ https://www.wilsoncenter.org/event/the-soviet-cuban-missile-crisis-castro-mikoyan-kennedy-khrushchev-and-the-missiles-november ➤ https://www.ifklibrary.org/learn/about-ifk/jfk-in-history/cuban-missile-crisis



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<p>GEOGRAPHY</p>	<p>Topic: Map and Data Skills- Reading OS Map</p> <p>Learning Objectives:</p> <p>To analyse the various physical and human features on OS map.</p>	<p>Activity:</p> <p>Help your child analyse, interpret and construct grid references, distances, bearing and physical features on OS map.</p>	<ul style="list-style-type: none">➤ https://www.bbc.co.uk/bitesize/guides/z6j6fg8/revision/3➤ https://getoutside.ordnancesurvey.co.uk/guides/understanding-map-scales/➤ https://gmsedu-my.sharepoint.com/:f/p/prabhaswin/EiZgefu0hG5DtdbHKsQoCAoBveMNd-6ehcqJl_rHNjqK5Q?e=l7erGZ
<p>UAE SOCIAL STUDIES</p>	<p>Topic: Economy in the Middle East</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">➤ To analyze the the national economy of any country in Middle East➤ To explore the local economy of a city.	<p>Activity:</p> <p>Help your child research and explore on the following aspects of economy in Middle East:</p> <ul style="list-style-type: none">➤ World trade➤ Common Market➤ Exports and imports➤ Balance of trade➤ Mixed Economy➤ Free trade➤ Tariffs	<ul style="list-style-type: none">➤ https://www.icaew.com/technical/economy/economic-insight/economic-insight-middle-east➤ https://www.icaew.com/technical/economy/economic-insight/economic-insight-middle-east



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FRENCH	<p>Topic: Pour faire la réservation d'un vol / d'un taxi.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">➤ To give and to seek information while travelling.➤ To give an account of an air travel.➤ To develop role plays concerning using different means of transport while travelling as a tourist➤ To develop listening and reading comprehension skills.	<p>Read along with your child and listen and answer the given activity:</p> <p>http://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-8086.php</p> <p>https://www.podcastfrancaisfacile.com/podcast/prendre-le-taxi.html</p> <p>Grammar practice:</p> <p>http://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-17134.php</p> <p>https://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-9508.php</p>	<ul style="list-style-type: none">➤ www.tv5monde.org➤ www.language-gym.com➤ www.youtube.com➤ www.french-games.net➤ www.francais.lingolia.com.fr➤ www.francaisfacile.com
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<p style="text-align: center;">ICT</p>	<p>Topic: Application of ICT</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> ➤ To explore the applications of ICT ➤ Communication Application ➤ Data Handling 	<p>Motivate your child to complete the following activities:</p> <ul style="list-style-type: none"> ➤ Your child should be able analyse the application of ICT for different communication modes: Paper and Digital based. ➤ To explore the advantages and disadvantages of Digital Communication. ➤ To recognize different Data handling techniques. 	<ul style="list-style-type: none"> ➤ https://schoolportalng.com/application-of-ict-in-the-society
<p style="text-align: center;">STEAM</p>	<p>Topic: Tinkercad Design thinking process</p> <p>Learning Objectives:</p> <p>Discuss the different steps involved in design thinking: understand, define, ideate, prototype and test, and refine.</p>	<p>Encourage your child to -</p> <ul style="list-style-type: none"> ➤ Apply design thinking methods to a real-world problem. ➤ Create 2D and 3D models for pollution problems on Tinker cad. ➤ Design a 3D model about pollution causing problems in the environment. 	<ul style="list-style-type: none"> ➤ Design Thinking for Pollution Problems Tinkercad