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Year 9 - Family Learning Newsletter – May 2021

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	<p><u>TOPIC – Language Analysis</u></p> <p><u>LEARNING OBJECTIVES-</u></p> <ul style="list-style-type: none">To extend understanding of language analysis.	<p>Encourage your child to Practice language analysis by completing the following tasks:</p> <ul style="list-style-type: none">Pick up any poem of your choiceIdentify the main idea of the poem and the general effect created in the reader's mind.Pick out SIX KEY WORDS AND PHRASES that support the overall effect you have identified.Create a spider diagram representing all the six key words and phrases with the details of technique, interpretation and effect on reader.	<ul style="list-style-type: none">https://youtu.be/kRi9xYqGJtwhttps://youtu.be/sjihZyAlotA
MATHS EXTENDED	<p><u>TOPIC: Probability</u></p> <p><u>LEARNING OBJECTIVES-</u></p> <ul style="list-style-type: none">To calculate a simple probability.To apply the concept of an event NOT happening.Using OR rule and AND rule Using Tree Diagram.	<ul style="list-style-type: none">Encourage your child to investigate on dependent and independent events.Think of few common events in daily life. Classify them into mutually exclusive and independent events.Estimate the measurements of door/windows/board, in different corrected values. Now find the bounds of their area/perimeter.	<ul style="list-style-type: none">http://www.ehow.com/list_7719506_real-life-probability-examples.htmlhttps://www.onlinemathlearning.com/tree-diagrams.htmlhttps://www.softschools.com/math/topics/probability_of_dependent_events/https://www.khanacademy.org/math/probability/probability-



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	<p><u>TOPIC: Bounds</u> <u>LEARNING OBJECTIVES-</u> To calculate the upper and lower bounds of a corrected value.</p> <p><u>TOPIC: Standard form</u> <u>LEARNING OBJECTIVES-</u></p> <ul style="list-style-type: none"> Express an ordinary number in standard form and vice versa \emptyset. Perform calculations with numbers in standard form. 	<ul style="list-style-type: none"> Bounds for rounded weight and height of your family members. Do research on how to find bounds when rounded to particular no. of significant figures. Draft summary notes on expressing number in standard form. 	<ul style="list-style-type: none"> geometry/probability-basics/v/probability-1-module-examples http://www.ultimatemaths.com/stand-ard-form-conversion.htm https://revisionmaths.com/gcsemath-srevision/number/standard-form
BIOLOGY	<p><u>TOPIC – Immunity - Vaccination and Diseases</u> <u>LEARNING OBJECTIVES-</u></p> <ul style="list-style-type: none"> Describe how diseases are spread & body resists infection. Consider ways of reducing the spread of specific diseases. Explain how bacteria can become immune to antibiotics. Evaluate the impact of superbugs on our health. Describe how vaccines were discovered. Explain how vaccines prevent a viral infection. 	<ul style="list-style-type: none"> Motivate your child to make PowToon, Prezi or google slides presentation on spread of diseases, their control and prevention. Encourage your child to research to describe bacterial growth. Create an animated video to explain how bacteria become resistant to certain antibiotics. Motivate your child to create a presentation on how cleaning products can kill germs. Guide your child to conduct an online survey in your community to find out how COVID-19 can be prevented and cured. 	<ul style="list-style-type: none"> https://www.youtube.com/watch?v=2FvrxUUjPo4 https://www.youtube.com/watch?v=pOW62L7UmiY https://www.gavi.org/vaccineswork/there-are-four-types-covid-19-vaccines-heres-how-they-work



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PHYSICS	<p><u>TOPIC- Investigation - Acceleration</u></p> <p><u>LEARNING OBJECTIVE-</u></p> <ul style="list-style-type: none">Plan and investigate acceleration using a trolley and ramp. <p><u>TOPIC- Analysing equilibrium</u></p> <p><u>LEARNING OBJECTIVES-</u></p> <ul style="list-style-type: none">To define opposing forces and equilibrium: weight held by stretched spring or supported on a compressed surface.To use force arrows in diagrams, adding forces in one dimension, balanced and unbalanced forces	<ul style="list-style-type: none">Encourage the child to research on speed limit restrictions on roads and the needs to have them.Motivate the child to discuss acceleration and how it affects speed.Ask your child to research on acceleration and investigate and explain certain pieces of equipment or sources of information are the right choice for an investigation.Encourage the child to apply various precise equipment and design appropriate table to record accurate results use calculation and present data to draw conclusion.Ask your ward to analyse situations to identify the various forces that are acting.Encourage your ward to explore static situations in which objects are held in equilibrium and the nature of the forces involved.	<ul style="list-style-type: none">http://www.physicsclassroom.com/cls/1DKin/Lesson-1/Speed-and-Velocityhttp://www.bbc.co.uk/schools/gcsebiteseize/science/add_aqa/forces/forcesmotionrev1.shtmlhttps://www.youtube.com/watch?v=yJkyzzBryEMhttps://www.khanacademy.org/science/physics/one-dimensional-motion/acceleration-tutorial/a/what-are-acceleration-vs-time-graphshttps://www.bbc.co.uk/bitesize/guides/zgv797h/revision/5
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CHEMISTRY	<p><u>TOPIC - Physical and chemical reactions</u></p> <p><u>LEARNING OBJECTIVE-</u></p> <ul style="list-style-type: none">• To identify physical and chemical changes, and understand the differences between them. <p><u>TOPIC- Balancing equations</u></p> <p><u>LEARNING OBJECTIVE-</u></p> <ul style="list-style-type: none">• To construct word equations and simple balanced chemical equations. <p><u>TOPIC- Ceramics, Polymers and Composites</u></p> <p><u>LEARNING OBJECTIVE-</u></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.	<ul style="list-style-type: none">• Encourage your child to Read the context and summarise your understanding writing at least 5 points. https://www.thoughtco.com/physical-and-chemical-changes-examples-608338• Motivate 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.	<ul style="list-style-type: none">• https://www.thoughtco.com/physical-and-chemical-changes-examples-608338• 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
ARABIC (Arabs)	<p><u>TOPIC- اترك بصمة إنجازك</u></p> <p><u>LEARNING OBJECTIVES-</u></p>	<p>يكتب الطالب مقالاً عن طموحه في الحياة وخطته لتحقيق هذا الطموح</p>	<ul style="list-style-type: none">• https://www.youtube.com/watch?v=7YOW-5bvcpE



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	<p>- أن يحلل المتعلم فكرة المقال.</p> <p>- أن يربط خبراته الخاصة بأفكار المقال.</p> <p>- أن يحدّد خصائص (المقال)</p> <p>يحلل تطور الفكرة الرئيسية أو وجهة النظر في النصوص</p> <p>يحلل النص أو جزءاً منه</p> <p>TOPIC- مملكة الفطريات</p> <p>LEARNING OBJECTIVES-</p> <p>- أن يحدد المتعلم الفكر الرئيسية للنص. والجزئية</p> <p>- أن يربط خبراته الخاصة بأفكار الدرس.</p> <p>أن يحلل وجهة النظر في النصّ.</p> <p>- أن يستخدم أدلة إقناعيّة؛ لإبراز أفكاره.</p> <p>TOPIC- التوكيد</p> <p>LEARNING OBJECTIVES-</p> <p>يتعرف المتعلم التوكيد</p>	<p>يكتب الطالب نصّاً معلوماً عن أنواع الفطريات</p> <p>يوظف الطالب التوكيد في كتابة فقرات من إنشائه</p>	<ul style="list-style-type: none">• https://www.popsoci.ae/%D9%82%D8%AF-%D8%AA%D9%83%D9%88%D9%86-%D8%A7%D9%84%D9%81%D8%B7%D9%88%D8%B1-%D8%B3%D8%A8%D8%A8%D8%A7%D9%8B-%D9%81%D9%8A-%D8%A5%D9%86%D9%82%D8%A7%D8%B0-%D8%A7%D9%84%D8%B9%D8%A7%D9%84%D9%85-%D8%A5/• https://www.youtube.com/watch?v=5juggPwDA_d4• https://www.youtube.com/watch?v=2yknwLyqB08
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	<p>يعرب التوكيد يوظفه في مواقف حياتية</p> <p>رواية عساكر قوس قزح-ح-ف</p> <p>LEARNING OBJECTIVES- يحلل الطالب الرواية إلى عناصرها الفنية يحدد الفكرة الرئيسية والأفكار الفرعية في الرواية</p>		
ISLAMIC STUDIES (Arabs)	<p>لا ضرر ولا ضرار -الحكم الشرعي-الإمام أحمد بن حنبل</p> <p>LEARNING OBJECTIVES-</p> <p><u>* أن يستنتج الهدايات الواردة في الحديث</u></p> <p><u>*- أن يناقش أثر تطبيق الحديث في المجتمع</u></p> <p><u>أن يناقش مفهوم الحكم الشرعي</u></p> <p><u>أن يستنتج مزايا الاحكام الشرعية في الاسلام</u></p>	<p>يحرص على حفظ سورة الواقعة</p> <p>صمم خريطة ذهنية وضح فيها آثار الضرر على الفرد والمجتمع داعما اجابتك بالاستدلال اقترح حلا: لإدمان الألعاب الإلكترونية والإنترنت.</p> <p>ابحث عن مواقف من سيرة الرسول تدل على عدم الحاق الضرر بالنفس والغير</p> <p>اكتب بحثا عن مزايا الالتزام بالحكم الشرعي</p> <p>اكتب بحثا عن الامام أحمد بن حنبل</p>	<ul style="list-style-type: none">• https://www.youtube.com/watch?v=hGLyd0d6g38• https://www.youtube.com/watch?v=oXKpCwhd694



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<p>ARABIC (Non- Arabs)</p>	<p><u>TOPICS –</u></p> <ul style="list-style-type: none">• Charity• Volunteer and donation work. <p><u>LEARNING OBJECTIVES-</u></p> <ul style="list-style-type: none">• To identify various charitable works.• To explain the importance of charitable work for himself and his community.• To mention life situations of some charitable work that his family did.• To write creative paragraphs on charitable work.• To deduce the benefit of charitable work and the importance of volunteer work.• To differentiate between volunteer work and different donation work.• To use literary and rhetorical methods in his creative writing.	<ul style="list-style-type: none">• Encourage your child to do charitable work• Motivate your child for charitable work• Create a video about various charitable actions such as: visiting a sick person, visiting an orphanage, donating money, food and clothes.• Design a mind map for various charitable works.• Activating a program for charitable work.• Writing an article on the various charitable works carried out by the different Arab Emirates at home and abroad.• Recording a dialogue between family members to explain the importance and benefit of charitable work.	<ul style="list-style-type: none">• https://www.youtube.com/watch?v=r1wPfJnCP1U• https://www.youtube.com/watch?v=iu3-jFCqOk• https://www.youtube.com/watch?v=iu3-jFCqOk• https://www.youtube.com/watch?v=nj9LNjB5i4Q• https://www.youtube.com/watch?v=q4je9N26ouY• https://www.youtube.com/watch?v=GwkfEwKllbk• https://www.youtube.com/watch?v=gJEoJUdPhXA
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<p>ISLAMIC STUDIES (Non- Arabs)</p>	<p><u>TOPIC – The Prophet’s Method of educating a Generation</u></p> <p><u>LEARNING OBJECTIVES-</u></p> <ul style="list-style-type: none"> ● To explain the concept of education and its important status in Islam. ● To explain the foundation and principles of the prophet’s education of his Companions <p><u>TOPIC –Blind imitation</u></p> <p><u>LEARNING OBJECTIVES-</u></p> <ul style="list-style-type: none"> ● To explain the concept of imitation. ● To explain the position of Islam towards blind imitation. ● To distinguish between bad and good imitation. 	<ul style="list-style-type: none"> ● Motivate your child to create a video showing the ways to educate illiterate people to become educated by giving examples from the life of Prophet (P.B.U.H). ● Encourage your child to Create a video showing how bad is to imitate others and its bad effects on society. 	<ul style="list-style-type: none"> ● https://www.youtube.com/watch?v=tBExaqf70Lc ● https://www.youtube.com/watch?v=ZJnEqCE_nKs
<p>PSHCEE</p>	<p><u>TOPIC – REVISION TECHNIQUES</u></p> <p><u>LEARNING OBJECTIVES-</u></p> <ul style="list-style-type: none"> ● To know why revision is important. ● To understand how to revise. 	<ul style="list-style-type: none"> ● Encourage your child to give importance to their revision. ● Encourage your child to suggest some techniques that they can use in their revision. 	<ul style="list-style-type: none"> ● https://www.youtube.com/watch?v=JrXMrH7E4Jw



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	<ul style="list-style-type: none"> To assess the ability in revision. 		
MORAL EDUCATION	<p><u>TOPIC – Dealing with Conflicts</u></p> <p><u>LEARNING OBJECTIVES-</u></p> <ul style="list-style-type: none"> To demonstrate an understanding of strategies to deal with internal and external conflict. To give advice on how to manage internal conflict and cope with external forces beyond one's control. 	<ul style="list-style-type: none"> Motivate your child to deal with internal and external conflicts. Encourage your child to suggest some strategies to cope up with conflicts. 	<ul style="list-style-type: none"> https://www.youtube.com/watch?v=QLbGHQo4qnA
HISTORY	<p><u>TOPIC – COLD WAR 1945-1991</u></p> <p><u>LEARNING OBJECTIVES-</u></p> <ul style="list-style-type: none"> To analyse the causes of the Cold War. 	<ul style="list-style-type: none"> Encourage your child to carry out a discussion on the following questions <ul style="list-style-type: none"> Who was to blame for the Cold War? How effectively did USA contain the spread of communism? 	<ul style="list-style-type: none"> https://www.youtube.com/watch?v=NF3u8Ju9aAg https://www.youtube.com/watch?v=dsDrYh2Af5Y https://www.youtube.com/watch?v=rB1Y4Lu1rZs
UAE SOCIAL STUDIES	<p><u>TOPIC – National Heritage</u></p> <p><u>LEARNING OBJECTIVES-</u></p> <ul style="list-style-type: none"> To research upon any city of your choice and analyse its economic and commercial importance. 	<ul style="list-style-type: none"> Motivate your child to research upon any historical modern city of UAE and analyse its economic and commercial importance. 	<ul style="list-style-type: none"> MOE UAE SST TEXT BOOK year 9



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GEOGRAPHY	<p><u>TOPIC – Biomes: Russia</u></p> <p><u>LEARNING OBJECTIVES-</u></p> <ul style="list-style-type: none">• To examine the climatic conditions of Russia and the adaptations of its flora and fauna.	<ul style="list-style-type: none">• Guide your child to research on the geographical landscape, climate and the different adaptations of the flora and fauna	<ul style="list-style-type: none">• https://www.youtube.com/watch?v=OUmHWrf8MnY• https://www.youtube.com/watch?v=z0qtNLTro9Y
FRENCH	<p><u>TOPIC -Pour faire la réservation d'un vol</u></p> <p><u>LEARNING OBJECTIVES-</u></p> <ul style="list-style-type: none">• To give and to seek information while travelling and booking a flight ticket.• To give an account of an air travel in details.	<p><u>Motivate your child to complete the following tasks:</u></p> <ol style="list-style-type: none">1. Read and listen and answer the given activity:<ul style="list-style-type: none">• http://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-8086.php• http://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-5852.php2. Grammar practice:<ul style="list-style-type: none">• http://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-17134.php• http://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-37534.php	<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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ICT	<p><u>TOPIC – Data Manipulation</u></p> <p><u>LEARNING OBJECTIVES-</u></p> <ul style="list-style-type: none">• Explore different database terminologies and their purpose in everyday life.	<ul style="list-style-type: none">• Encourage your child to explore the about the database systems and their real-life examples• Motivate students can generate simple database information systems with applications.• Students create a database table using MS. Access.	<ul style="list-style-type: none">• https://study.com/academy/lesson/practical-lesson-for-database-programming-manipulating-data.html
STEAM	<p><u>TOPIC – LEGO SIMPLE MACHINES</u></p> <p><u>LEARNING OBJECTIVES-</u></p> <ul style="list-style-type: none">• Explore and research about principles and mechanisms of simple machines and their purpose in everyday life.	<ul style="list-style-type: none">• Encourage your child to explore the purpose and the importance of simple machines and compound machines.• Motivate your child to research and create a report on different applications and real-life applications of Lego simple machines and their four principle models.	<ul style="list-style-type: none">• https://le-www-lives.lego.com/downloads/MachinesAndMechanisms_Activity-Pack-For-Simple-Machines_1.0_en-GB.pdf• http://www.legoengineering.com/wpc-content/uploads/2013/05/LEcom_Compiled_Packet_Machines_LowRes.pdf