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Year 8 - Family Learning Newsletter – January - 2020

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	TOPIC : Grammar LEARNING OBJECTIVES- <ul style="list-style-type: none">To further develop grammar skills	<ul style="list-style-type: none">Help your child to make flash cards or a word wall for new vocabulary learnt and encourage the use of new words in daily routine conversation.Encourage your child to do online exercises on grammar in order to improve their writing skills.Spend time with your child playing word building games such as scrabble or solving word puzzles.Have a discussion with your child on the advantages and disadvantages of attending a summer camp. Then encourage him/her to make a wish list of what they would like to experience in summer camp.	<p>http://englishteststore.net/index.php?option=com_content&view=article&id=11387&Itemid=427</p> <p>http://www.learn-englishtoday.com/lessons/exerciselist.html</p> <p>http://www.memoryimprovementtips.com/scrabbleonlinefree.html</p> <p>http://www.louissachar.com/Bio.htm</p>
MATHS	TOPIC : RATIO AND PROPORTION LEARNING OBJECTIVES- <ul style="list-style-type: none">Ratio to its simplest form: To be able to recognise, use ratio notation and understand that a multiplicative relationship between two quantities can be expressed as a ratio or a	<ul style="list-style-type: none">Talk to your child regarding the importance of ratio and proportion by giving them examples of No. of family members in the house. Ratio of men to the ratio of women or ratio of kids to the total members in the family.	<p>http://www.mathworksheets4kids.com/ratio.html</p> <p>http://www.mathworksheetsland.com/topics/ratios.html</p>



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	<p>fraction and reduce the given ratio to its simplest form.</p> <ul style="list-style-type: none">• Divide a quantity: To be able to divide a given quantity into two parts in a given part or whole ratio.• Direct proportion: To be able to solve problems involving direct proportion. <p>TOPIC :Sequences</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none">• Linear Sequences of Numbers: Substituting values in the nth term to generate sequence and Sequence from patterns of shapes using the formula for the nth term.	<ul style="list-style-type: none">• Encourage your child to use mathematical reasoning to make connection of recipe of making cake with mathematics.• Challenge you child: The answer is '£350 and £450'. What is the question?• Discuss real life examples of Ratio and proportion- including direct and inverse proportion.• Encourage them to Say a recipe to make brownie which requires 4 cups of flour for 6 persons, you may want to know how much flour to put for 24 person. <p>Research on cross curricular links:</p> <ul style="list-style-type: none">• Relationships such as the "golden ratio" are also extremely important in biology.• Research on Pi(3.14) were the ratio is used to find the Circumference of any circular object. <p>Activity:</p> <ul style="list-style-type: none">• Discuss the Arithmetic sequences in real life examples.	<p>Real life application http://www.mathsisfun.com/ratio2.html</p> <p>http://www.arcademics.com/games/ratio-stadium/ratio-stadium.html</p> <p>http://www.mathworksheets4kids.com/ratio.html</p> <p>http://www.mathworksheetsland.com/topics/ratios.html</p> <p>Link for TIMMS practice: http://www.edinformatics.com/timss/pop2/mpop2.htm?submit324=Grade+7%2C8++Math+Test</p> <p>For PISA test practice: Start from level 1 http://www.oecd.org/pisa/test/form/</p> <p>http://www.softschools.com/math/alg</p>
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		<ul style="list-style-type: none">• Write a list of examples / applications of where arithmetic sequences occur in everyday life.• Justify why your examples are arithmetic sequences.• Saving regular amounts.<ul style="list-style-type: none">✓ Depreciation or inflation by regular amounts.✓ Spending regular amounts.✓ Heights of buildings where each floor above the ground floor is the same height.✓ Removing regular equal amounts from a container. <p>Real life :A mobile phone supplier charges €5 plus €0.10 per call.</p> <p>» What is the charge when the user makes 8 calls? » Which term of the sequence is this?</p> <p>» Does the cost of using this supplier form an arithmetic sequence?</p> <p>» Why do you say it forms an arithmetic sequence?</p>	<p>ebra/topics/solving_inequalities_with_addition/</p> <p>https://www.mathsisfun.com/algebra/sequences-series.html</p> <p>https://www.khanacademy.org/math/algebra/sequences/constructing-arithmetic-sequences/v/finding-the-100th-term-in-a-sequence</p> <p>https://uk.ixl.com/promo?partner=google&campaign=1229&adGroup=sequences&gclid=Cj0KCQiAuf7fBRD7ARIsACqb8w4Y95JJDcukfeS</p>
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SCIENCE	<p>TOPIC – Interaction of organisms in the environment.</p> <p>LEARNING OBJECTIVES</p> <ul style="list-style-type: none">• Evaluate the risks of monoculture on world food security.• Explain the process of bioaccumulation• Analyse and evaluate the factors affecting endangered species and recommend solution.• Evaluate the importance of predators in an environment and link it to changes in a food web.• Analyse an example of interdependence of organisms in an ecosystem – for example, the effects of the destruction of rainforests.• Analyse and evaluate the factors affecting endangered species and recommend solutions.• Explain how energy flows through a food web.• Compare examples of interdependence of organisms in an ecosystem.	<p>Motivate your child to -</p> <ul style="list-style-type: none">• Create a model demonstrating interaction of organisms in an ecosystem.• Work individually to create an analogy which explains examples of symbiosis and parasitism.• Make an infographic poster to present any survey conducted on how human activities have disturbed the interaction of organism in any ecosystem.• Create an interesting PowerPoint or otherwise visually appealing presentation to describe an example of interdependence of organisms in an ecosystem using a food web.	<p>https://ourworld.unu.edu/en/growing-corporate-hold-on-farmland-risky-for-world-food-security</p> <p>http://study.com/academy/lesson/could-there-be-a-food-chain-without-herbivores-and-carnivores.html</p> <p>http://www.smithsonianmag.com/science-nature/what-happens-when-predators-disappear-32079553/</p> <p>http://wizznotes.com/biology/symbiosis/symbiosis-mutualism-commensalism-and-parasitism</p> <p>https://www.khanacademy.org/science/biology/ecology/community-ecosystem-ecology/a/ecological-interactions</p> <p>https://www.slideshare.net/hazwanialias/chapter-4-interaction-between-organism</p> <p>https://www.youtube.com/watch?v=LEQgd91uWsY</p>
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<p>ARABIC (Arabs)</p>	<p>TOPIC – الأمن المائي العربي-</p> <p>LEARNING OBJECTIVES-</p> <p>- أن يحدد الطالب الأفكار الرئيسية والأفكار الداعمة للنص المعلوماتي.</p> <p>- أن يحلل المعلومات الصريحة و الضمنية مستشهداً بمصادر متعددة من الأدلة تدعم تحليله مثل (إحصاءات، أرقام، تجارب، مواقف) .</p> <p>- أن يكتب خطوات إعداد تقرير عن تجربة الاستمطار من مقال</p> <p>سعادة من نوع آخر - TOPIC-</p> <p>LEARNING OBJECTIVES:</p> <p>- أن يحدد الطالب الأفكار الرئيسية والأفكار الداعمة للنص المعلوماتي.</p> <p>- أن يحلل الطالب النص المعلوماتي تحليلاً أدبياً ويوضح الأدلة الداعمة.</p>	<p>كتب الطالب نصاً معلوماتياً عن الطاقة المستدامة في الوطن العربي.</p> <p>يصمم الطلاب نشرات توعوية تتضمن نصائح لحماية البيئة والطاقات المهدورة</p> <p>يكتب الطالب موضوعاً عن التسامح بين أفراد المجتمع وأهميته.</p> <p>يقترح الطلاب خطة لنشر التسامح بينهم</p>	<p>https://www.dw.com/ar/%D9%85%D8%B3%D8%AA%D9%82%D8%A8%D9%84-%D8%A7%D9%84%D8%A3%D9%85%D9%86-%D8%A7%D9%84%D9%85%D8%A7%D8%A6%D9%8A-%D8%A7%D9%84%D8%B9%D8%B1%D8%A8%D9%8A-%D9%83%D8%A7%D8%B1%D8%AB%D8%A9-%D9%8A%D9%85%D9%83%D9%86-%D8%AA%D9%81%D8%A7%D8%AF%D9%8A%D9%87%D8%A7/a-43091648</p> <p>https://www.youtube.com/watch?v=1VBXGkbC7LU</p> <p>https://www.youtube.com/watch?v=Uge9vGTFzNo</p>
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	- أن يقارن الطالب بين نصين أدبيين مقارنة أدبية.		
ISLAMIC STUDIES (Arabs)	<p>آداب السفر-الشفاء بنت عبد الله العذوية-قصة مؤمن آل - يس</p> <p>أن يوضح الطالب آداب السفر (قبل – أثناء – بعد) بالاستدلال من القرآن والسنة</p> <p>* أن يستنبط الطالب ثمرات التأداب بآداب السفر</p> <p>- أن يستنتج الطالب يسر الإسلام في السفر</p> <p>*- يستنتج دور المرأة في الإسلام في مجالي العلم والعمل</p> <p>*- أن يبدي رأيه في الشفاء في حبها للعلم وتعليمه.</p> <p>أن يوضح موقف أهل القرية من رسل الله تعالى</p> <p>أن يبين الموانع الدنوية التي تصد الانسان عن الحق</p> <p>*- أن يبدي رأيه في التثاوم</p>	<p>سيكلف الطالب ببعض التكاليف البيتية-يحرص على الأخذ بالاسباب-ويحرص على الالتزام بآداب السفر</p> <p>يكتب بحثا عن الشفاء بنت عبد الله</p> <p>يكتب بحثا عن الفأل الحسن</p> <p>يكتب بحثا عن بيت المقدس</p>	<p>https://www.youtube.com/watch?v=tudASCjuggkI</p> <p>https://www.youtube.com/watch?v=JzvGjdJ4lo</p>



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<p>ARABIC (Non- Arabs)</p>	<p>TOPIC – ذكريات الطفولة –</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none">- أن يصف الطالب ذكريات طفولته.- أن يقارن بين طفولته وطفولة والده.- أن يصمم خريطة ذهنية توضح ألعاب الطفولة.- أن يحلل الطالب النص تحليلاً أدبياً.- أن يفرق بين الجملة الاسمية والفعلية.- أن يعرب الجملة الفعلية.- أن يقارن بين مرحلة الطفولة و الشباب.	<p>يصمم لوحة من ابداعه عن اسرته وذكرياته مع العائلة.</p> <ul style="list-style-type: none">- يسجل فيديو عن طفولته.- يكتب تقريراً عن احتفالات ر.- يسجل فيديو لحوار يدور بينه وبين أصدقائه عن ذكريات طفولته.- يصمم لوحة فنية يجمع فيها صورته وصور أسرته ويكتب تعليقاً على كل صورة.	<p>https://www.youtube.com/watch?v=JBZTwi6qSa8&list=PL0eNR_C2NUuVCfWViQA9fhqckiCZvf8R9</p> <p>http://learnarabiconline.ksu.edu.sa/Account/Login.aspx</p>
<p>ISLAMIC STUDIES (Non- Arabs)</p>	<p>TOPIC –</p> <ul style="list-style-type: none">• Social Cohesion• The Battle of Hunayn <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none">• To elucidate the concept of social cohesion. (By giving reference of Quran)• To explore the ways to develop social cohesion(by giving reference of Ahadeeth)	<p>Encourage your child to -</p> <ul style="list-style-type: none">• Research and write an article about the benefits a society can achieve while developing social cohesion among people of the society.• Create a chart showing the strategies used during the time of Prophet (P.B.U.H) and compare these strategies with today's war	<p>Social Cohesion</p> <p>The Battle of Hunayn</p>



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	<ul style="list-style-type: none"> To evaluate the benefits of social cohesion.(By giving example of real life) To define the causes of the battle of Hunayn (By referencing Quran) To infer lessons from the battle. To evaluate the benefits of confronting challenges (By referencing Seerah) 	<p>strategies by comparing advantages and disadvantages of these strategies.</p>	
PSHCEE	<p>TOPIC –Animal Rights</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> To explain, with examples, why humans use animals. To understand animals rights. 	<ul style="list-style-type: none"> Discuss and explain with your child how useful animals are. Encourage your child to make a list of some procedures that are harmful to animals. e.g. animal lab testing 	https://www.youtube.com/watch?v=11bwaXRkdoA
MORAL EDUCATION	<p>TOPIC –Making Good Decisions</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> To explore concepts of danger and risk, and how students can protect themselves. 	<ul style="list-style-type: none"> As a family, look around your home for dangers. Discuss with your child ways to make the house safer for all the family. 	https://www.youtube.com/watch?v=Pr9YntO7V1U
HISTORY	<p>TOPIC – Glorious Revolution Great Fire of London</p> <p>LEARNING OBJECTIVES-</p>	<ul style="list-style-type: none"> Help your child write a newspaper report about the Glorious Revolution. Along with your child Investigate if the Great fire of London was an accident or arson. 	https://www.youtube.com/results?search_query=video+on+the+glorious+revolution



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	<ul style="list-style-type: none"> To investigate about the events in 1688 when William of Orange claimed the throne. To investigate if the Great Fire of London was an accident or arson? 	<ul style="list-style-type: none"> Investigate and discuss with your child the potential risks in UAE-at home, strangers and measures taken to increase safety with a link to the national agenda of UAE on safety. 	https://www.youtube.com/watch?v=VarSSAwimU
GEOGRAPHY	<p>TOPIC – Urbanisation</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> To assess urbanisation around the world in comparison with UK. 	<ul style="list-style-type: none"> Governments like to know what percentage of their populations are living in rural areas. Discuss with your child and suggest a reason for this. 	https://www.youtube.com/watch?v=fKnAJCSGSdk https://www.youtube.com/watch?v=a2nUCjxAsO8
UAE SOCIAL STUDIES	<p>TOPIC –National unity</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> To identify the factors that have contributed to the formation of national identity and assess the role of citizens/residents in achieving UAE national unity. 	<ul style="list-style-type: none"> Help your child create a poster on the different founding fathers of the federation of UAE and their contribution to the formation of the federation. Discuss with your child if its significant to celebrate the National day. 	https://www.na.ae/en/archives/historicalperiods/britishprince.aspx UAE SST Text book year 8
FRENCH	<p>TOPIC –“VOYAGER A L'ETRANGER”</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> To name countries and capital cities. To name different means of transport that we use to go places. 	<ul style="list-style-type: none"> Encourage your child to do a regular work: 15- 20 minutes 4 times a week spent with French will guarantee a good progress. Use a globe or an atlas to make a quiz on different countries and their capitals (you may use as well www.kahoot.it to make it a fun family competition) 	https://www.youtube.com/watch?v=o47ggPvXAYU https://www.londonfire.gov.uk/museum/historyand.../the-great-fire-of-london/



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	<ul style="list-style-type: none"> To give simple opinions about transportation. To say which countries you are going to or have been to. To say which countries you'd like to go. To use the correct preposition with names of places. 	<ul style="list-style-type: none"> Ask your child to name and indicate countries that his/her schoolmates come from; what languages are spoken in these countries? 	<p>https://www.youtube.com/watch?v=9DFSpUnZCIM</p> <p>https://www.youtube.com/watch?v=nH7ToUS2WuY</p> <p>https://www.youtube.com/watch?v=7ca1V0ULQvc</p>
ICT	<p>TOPIC – Adobe Illustrator</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> Research skills - Analysing the purpose and the functions of Adobe Illustrator. Explore the use and the functions of Adobe illustrator and compare with Adobe Photoshop. 	<ul style="list-style-type: none"> Encourage your child to explore the functions of Adobe Illustrator. Motivate your child to do the research about the Adobe illustrator and do the comparison with Adobe Photoshop and make a report on the similarities and how both are different from each other. Parents can help to research, analyse and make the report on Adobe Illustrator. 	<p>https://www.pluralsight.com/blog/creative-professional/whats-difference-photoshop-illustrator</p> <p>https://digitalsynopsis.com/design/illustrator-vs-photoshop-differences-minimalist-graphics/</p>
STEAM	<p>TOPIC – PULLEY</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> Outline the purpose and effects of pulleys. 	<ul style="list-style-type: none"> Support your child to research on pulleys and its effects. Encourage your child to create a sway presentation on fixed pulley system and movable pulley system. 	<p>https://www.youtube.com/watch?v=LjBcur1aqcQ</p>



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	<ul style="list-style-type: none">• Explain how a pulley redirects motion and creates mechanical advantage.• Calculate the mechanical advantage in a pulley system.	<ul style="list-style-type: none">• Talk to your child about different real life scenarios about the application of pulleys.• Motivate them to design pulley system that can be used in daily life.• Explore along with your child about the effect of pulley when the number of wheels increase.	<p>https://www.explainthatstuff.com/pulleys.html</p>
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