



The Winchester School

Year 8- Family Learning Newsletter – January- 2022

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	TOPIC – Grammar LEARNING OBJECTIVES- ➤ To further develop grammar skills.	Encourage your child to ✓ Create flash cards or a word wall for new vocabulary learnt and encourage the use of new words in daily routine conversation. Practise 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. ✓ Discuss the advantages and disadvantages of attending a summer camp. Then encourage them to make a wish list of what they would like to experience in summer camp.	https://www.ereadingworksheets.com/languageartsworksheets/free-grammar-worksheets/
	TOPIC – Sequences LEARNING OBJECTIVE- ➤ 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 TOPIC – Stem and leaf Diagram LEARNING OBJECTIVE-	Encourage your child to ✓ Discuss the Arithmetic sequences in real life examples. ✓ List examples / applications of where arithmetic sequences occur in everyday life. Justify why your examples are arithmetic sequences. ✓ Save regular amounts. ✓ Discuss depreciation or inflation by regular amounts. ✓ Spend regular amounts. ✓ Talk about heights of buildings where each floor above the ground floor is the same height. ✓ Remove regular equal amounts from a container.	https://www.mathsisfun.com/algebra/sequences-series.html https://www.khanacademy.org/math/algebra/sequences/constructing-arithmetic-sequences/v/finding-the-100th-term-in-a-sequence



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	<p>➤ Construct a Stem and Leaf Diagram, and use it to find the median and range</p>	<p>Real life</p> <p>A mobile phone supplier charges €5 plus €0.10 per call. » What is the charge when the user makes 8 calls? » Which term of the sequence is this? » Does the cost of using this supplier form an arithmetic sequence? » Why do you say it forms an arithmetic sequence?</p> <p>Activity: Motivate your child to conduct a survey on how many hours they spend on the gadgets with your class mates, create a frequency table and then make the stem and leaf diagram. They can then identify the mean and the median of the number of hours the students spend on gadgets.</p> <p>Real life: Various census surveys analysis and population surveys can be analysed using stem and leaf diagrams.</p>	
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SCIENCE	<p>TOPIC – Photosynthesis</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none">➤ To understand the importance of food and explain the chemical reaction taking place during photosynthesis.➤ To investigate the different factors affecting the rate of photosynthesis➤ To investigate the importance of minerals to plants <p>TOPIC – Respiration</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none">➤ To construct a lung model and explain how the lungs helps us to breathe.➤ To plan an investigation to find out the by-products of aerobic respiration formed by yeast cells.➤ To plan an investigation to measure the stamina using our pulse rate and analyse who amongst the class has a very good stamina.	<p>Motivate your child to</p> <ul style="list-style-type: none">✓ Create photosynthesis interactive notebook foldable.✓ Connect what they observe in their daily life to the concept of photosynthesis.✓ Research project to explore the process of nitrogen fixation. <p>✓ Create a model of lungs and demonstrate the process of inhalation & exhalation.</p> <p>✓ Create a dictaphone activity on the process of respiration, by creating question.</p> <p>✓ Describe real life application of aerobic & anaerobic respiration of yeast. (example: Role of yeast during baking) Students could present their work, by making a Prezi, ppt or a poster on glogster.</p> <p>✓ Plan an investigation, to find out the products of aerobic respiration in yeast.</p> <p>✓ Plan an investigation, to find out who amongst the class has a good stamina.</p> <p>✓ Demonstrate how to set up a yeast experiment using a balloon to collect the gas. Students work in pairs to set up the experiment.</p> <p>✓ Use photos or videos of other sports such as weightlifting and sprinting, and ask the students to suggest how these sports differ from</p>	<p>https://www.bbc.co.uk/bitesize/guides/zpwmxnb/revision/1</p> <p>https://www.youtube.com/watch?v=3pD68uxRLkM</p> <p>http://www.docbrown.info/ebiology/photosynthesis.htm</p> <p>https://www.youtube.com/watch?v=CBv2BqqAydE</p> <p>https://www.youtube.com/watch?v=JOKxRX3fyol</p> <p>https://www.youtube.com/watch?v=sbG6rpfy07Y</p> <p>https://www.youtube.com/watch?v=4GB2BLOGX0s</p> <p>https://www.youtube.com/watch?v=8_x7Fy06ibg</p> <p>https://www.youtube.com/watch?v=RDUqDWIFJdw</p> <p>https://www.youtube.com/watch?v=8Y_Fdjl2v4l</p>
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	<ul style="list-style-type: none">➤ Describe some evidence to show that anaerobic respiration can produce carbon dioxide.➤ Construct a method to show what is produced in anaerobic respiration.➤ Explain why some sports involve more aerobic or more anaerobic respiration.➤ Explain what is meant by oxygen debt.	the sports in the real-life video. Students should discuss whether or not these sportspeople gain energy in the same way	
ARABIC (Arabs)	<p>من أجل نمط عيش صحي- LEARNING OBJECTIVES- أن يحدد الفكرة الرئيسية والأفكار الفرعية مستشهداً أدلة من النص أن يحلل النص تحليلاً أدبيّاً أن يصف كيف عرض المؤلف لفكرتين رئيسيتين حددا العلاقات بين الفكر أن يفسر مصطلحات علمية في مجال العلوم الإنسانية TOPIC: الأفعال الخمسة LEARNING OBJECTIVES: أن يتعرف الأفعال الخمسة أن يعربها</p>	<p>يكتب الطالب مقالاً حول طرق العيش بأسلوب حياة صحي. يكتب فقرة مستخدماً الأفعال الخمسة</p>	<p>https://www.youtube.com/watch?v=D0tF5y6JQI8 https://www.youtube.com/watch?v=5Dy3vwxvptw</p>



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<p>ISLAMIC STUDIES (Arabs)</p>	<p>آداب السفر-الشفاء بنت عبد الله العذوية-- قصة مؤمن آل يس LEARNING OBJECTIVES-</p> <p>أن يوضح الطالب آداب السفر (قبل – أثناء – بعد) بالاستدلال من القرآن والسنة</p> <p>أن يستنتج الطالب ثمرات التأدب بأداب 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 الدنيوية التي تصد الإنسان عن الحق</p> <p>أن يبدي رأيه في التشاؤم-*</p>	<p>يحرص على الأخذ بالأسباب-ويحرض على الالتزام بأداب 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=WX74k3rqJw</p> <p>https://www.youtube.com/watch?v=ON4oAXm_OBs</p>
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ARABIC (Non- Arabs)	TOPIC – عالم العمل LEARNING OBJECTIVES- - أن يوظف الطالب التشخيص في سياقات مختلفة. - أن يصمم الطالب السيرة الذاتية. - أن يجري الطالب مقابلة مع صاحب العمل. - أن يوضح الطالب أهمية العمل في حياتنا. - أن ينشئ الطالب موضوعًا عن العمل. - أن يقارن الطالب بين العمل في الماضي والحاضر.	Motivate your child to <ul style="list-style-type: none">✓ Design a C.V✓ Create a movie with friends on the importance of work.✓ Talk about the value of the work.✓ Talk about their father's work.✓ Read stories about the importance of the work on (I read Arabic app).	https://www.youtube.com/watch?v=yL-HO95MnqA https://www.youtube.com/watch?v=dvv0YxtPhxc https://www.youtube.com/watch?v=mwHhEo25jlo
ISLAMIC STUDIES (Non- Arabs)	TOPIC – ➤ Sincerity ➤ The Gift of Security LEARNING OBJECTIVES- ➤ To elucidate the consequences of insincerity on an individual and a society. ➤ To comprehend the importance of sincerity for the prosperity. To comprehend the importance & significance of security. ➤ To explicate the benefits of security for a society.	Help your child <ul style="list-style-type: none">✓ Record his views on how the sincere and wise decisions of the U.A.E ruler has placed the country among the most successful nations.✓ Create a video appreciating the role and efforts of the U.A.E rulers and citizens to keep security in the society by setting examples.	https://www.youtube.com/watch?v=MslnLnDv9gk



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	<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 	<p>Motivate your child to</p> <ul style="list-style-type: none"> ✓ Discuss the importance of animals. ✓ Create a list of some procedures that are harmful to animals. ✓ E.g animal lab testing 	<p>https://www.youtube.com/watch?v=11bwaXRkdoA</p>
MORAL EDUCATION	<p>TOPIC – The UAE in an Increasing Globalised and Interconnected World; Cultural Change</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To understand the concept of 'globalization' and how it affects the UAE ➤ To understand economic concepts 	<p>Encourage your child to</p> <ul style="list-style-type: none"> ✓ Research the term 'globalisation'. ✓ Discuss the impact of globalization in the UAE. ✓ Talk about the basic economic concepts. 	<p>https://www.britannica.com/topic/globalization</p>
HISTORY	<p>TOPIC – Industrial Revolution in Britain</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To compare & contrast conditions responsible for the growth of industries in Britain and not in any other European Country. 	<ul style="list-style-type: none"> ✓ Discuss with your child the geographical & Political conditions in Europe and Britain during the Industrial Revolution. 	<p>Win History Workbook ; www.studyhistory.co.uk www.bbc.co.uk/history www.schoolhistory.co.uk www.history on the net</p>
GEOGRAPHY	<p>TOPIC – Measuring weather</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To identify the elements of weather to explain the cause of weather. ➤ To find out how the weather is measured. 	<ul style="list-style-type: none"> ✓ Help your child create a working model of a weather measuring equipment and explain how it works 	<p>https://www.bbc.co.uk/bitesize/topic/zx38q6f https://www.metlink.org/resource/key-stage-3/</p>



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UAE SOCIAL STUDIES	TOPIC – Ancient civilisations of South Asia LEARNING OBJECTIVES- ➤ To analyse the utility of the archeological sources in Harappan civilization that was built along the Indus River.	Along with your child ✓ Analyse and create a comparative analysis of the remaining cities found in Mohenjo-Daro and In Dholavira.	Ministry of Education Text Book Social Studies: Our UAE, OUR WORLD: UNDERSTANDING OUR PAST, PRESENT AND FUTURE
FRENCH	TOPIC - "VOYAGER A L'ETRANGER" LEARNING OBJECTIVES- ➤ To name countries and capital cities ➤ To name different means of transport that we use to go to different places ➤ 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 ➤ To use the correct preposition with names of places	Encourage your child to ✓ Use a globe or an atlas to make a quiz on different countries and their capitals ✓ Name and indicate countries that his/her school mates come from; what languages are spoken in these countries?	https://quizlet.com/139101220/lespays-du-monde-avec-lesprepositions-flash-cards/ http://www.audiofrench.com French radio stations : http://www.voltage.fr/



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ICT	TOPIC – Vectr Graphics software LEARNING OBJECTIVES- ➤ Analysing the purpose and the functions of Vectr graphics software	Encourage your child to ✓ Explore the functions of Vector graphics software ✓ Research about the Vectr graphics software and do the comparison with Adobe Photoshop and make a report on the similarities and how both are different from each other. ✓ Analyse and make the report on Vectr graphics. ✓ Design an infographic using Vectr graphics software.	
STEAM	TOPIC – Minecraft Education LEARNING OBJECTIVES- ➤ To explore the fractional and decimal relationships using a 10 x 10 garden	Encourage your child to ✓ Research how minecraft can be related to fractions and decimals using base ten. ✓ Creatively design a "garden" and label the work using powerpoint presentation	https://education.minecraft.net/en-us/lessons/decimalfraction-garden