



The Winchester School

Year 8 - Family Learning Newsletter – January - 2021

Area of Learning	Focus	Activities	Useful website
ENGLISH	<p>TOPIC: Reading and Writing Skills</p> <p>LEARNING OBJECTIVE:</p> <ul style="list-style-type: none"> ➤ To develop newspaper report writing skills ➤ To enhance vocabulary, grammar and reading skills. 	<p>Encourage your child to</p> <ul style="list-style-type: none"> ➤ Explore top international online newspapers and compare it with your local online newspapers to see what features are similar and different. ➤ Select an article on a given topic (social, health etc.) that you liked and make a short presentation summarizing the key points and the different viewpoints that were reported. ➤ Practice your reading comprehension, grammar, punctuation, vocabulary, inference and spelling skills through free online quizzes and games. 	<p>What are the features of a newspaper? - BBC Bitesize</p> <p>Kahoot.com</p> <p>Quizziz.com</p> <p>Free Word Games, Vocabulary Building Exercises (theproblemsite.com)</p> <p>Inference Worksheets (softschools.com)</p> <p>Short Reading Comprehension Passages (grammarbank.com)</p>
MATHS	<p>TOPIC : RATIO AND PROPORTION</p> <p>LEARNING OBJECTIVE:</p> <ul style="list-style-type: none"> ➤ Ratio to its Simplest form: To be able to recognise, use ratio notation and understand that a 	<p>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> <p>Encourage your child to use mathematical reasoning to make connection of recipe of making cake with mathematics.</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>

multiplicative relationship between two quantities can be expressed as a ratio or a fraction and reduce the given ratio to its simplest form.

- **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.

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

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 write a recipe to make brownie which requires 4 cups of flour for 6 people, you may want to know how much flour to put for 24 people.

Research on cross curricular links:

Relationships such as the "**golden ratio**" are also extremely important in biology.

Research on Pi (3.14) where the ratio is used to find the Circumference of any circular objects.

Activity:

- **Discuss** the Arithmetic sequences in real life examples
- Write a list of examples / applications of where arithmetic sequences occur in everyday life. Justify why your examples are arithmetic sequences.
- Saving regular amounts. • 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.

Real life:

- 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

<https://uk.ixl.com/promo?partner=google&campaign=1229&adGroup=sequences&qclid=Cj0KCQiAuf7fBRD7ARIsACqb8w4Y95JJDCukfeS>

		<p>the cost of using this supplier form an arithmetic sequence? » Why do you say it forms an arithmetic sequence?</p>	
<p>SCIENCE</p>	<p>TOPIC: Photosynthesis</p> <p>LEARNING OBJECTIVE:</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 OBJECTIVE:</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. ➤ 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. 	<p>Activities</p> <ul style="list-style-type: none"> ➤ Create photosynthesis interactive notebook foldable. ➤ Ask students to connect what they observe in their daily life to the concept of photosynthesis. ➤ Encourage the students for a research project to explore the process of nitrogen fixation. <p>Explore:</p> <ul style="list-style-type: none"> ➤ Students can also create a model of lungs and demonstrate the process of inhalation & exhalation. ➤ Students can create a Dictaphone activity on the process of respiration, by creating question. ➤ 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. ➤ Plan an investigation, to find out who amongst the class has a good stamina. ➤ Demonstrate how to set up a yeast experiment using a balloon to collect the gas. Students work in pairs to set up the experiment. ➤ Using photos or videos of other sports such as weightlifting and sprinting, and ask the students to suggest how these sports differ from the sports in the real-life video. Students should discuss whether or not these sportspeople gain energy in the same way. 	<ul style="list-style-type: none"> • https://www.bbc.co.uk/bitesize/guide/zpwmxnb/revision/1 • https://www.youtube.com/watch?v=3pD68uxRLkM • https://www.youtube.com/watch?v=J0KxRX3fyoI • http://www.docbrown.info/ebiology/photosynthesis.htm • https://www.youtube.com/watch?v=C Bv2BqqAydE • https://www.youtube.com/watch?v=s bG6rpfy07Y • https://www.youtube.com/watch?v=4 GB2BLQGX0s • https://www.youtube.com/watch?v=8 x7Fy06ibg • https://www.youtube.com/watch?v=R DUqDWIFJdw • https://www.youtube.com/watch?v=8 Y Fdjl2v4I

<p>ARABIC (ARABS)</p>	<p><u>TOPIC –</u> طائر القطا</p> <p><u>LEARNING OBJECTIVES-</u> أن يحدد الطالب الفكرة الرئيسة والأفكار الداعمة للنص أن يحلل المعلومات الصريحة والضمنية مستشهدًا بمصادر متعددة من الأدلة أن يكتب نصًا معلوماتيًا عن أحد أنواع الطيور</p> <p><u>TOPIC –</u> عصفور الزيرا</p> <p><u>LEARNING OBJECTIVES-</u> أن يحلل الطالب النص تحليلًا أدبيًا أن يحدد المعنى الإجمالي للنص موضحة الأفكار الجزئية فيه أن يفسر كلمات النص مستنتجًا الدلالات التعبيرية فيه</p> <p><u>TOPIC –</u> أدوات نصب الفعل المضارع</p> <p><u>LEARNING OBJECTIVES-</u></p>	<p>يكتب الطالب نصًا معلوماتيًا عن أحد أنواع الطيور</p> <p>يكتب الطالب نصًا وصفيًا عن الطبيعة والحيوانات والطيور.</p> <p>يكتب الطالب موضوعًا مستخدمًا الفعل المضارع المنصوب</p>	<p>https://almalomat.com/49743/%D9%85%D8%B9%D9%84%D9%88%D9%85%D8%A7%D8%AA-%D8%B9%D9%86-%D8%B7%D8%A7%D8%A6%D8%B1-%D8%A7%D9%84%D9%82%D8%B7%D8%A7/</p> <p>https://www.youtube.com/watch?v=fts9IS2KvjA</p> <p>https://www.youtube.com/watch?v=N0BCtvZOPJg</p>

	<p>أن يتعرف الطالب أدوات نصب الفعل المضارع وعملها</p> <p>أن يعرب الفعل المضارع المنصوب</p> <p>أن يوظفه في كتاباته</p> <p>TOPIC –</p> <p>أدوات جزم الفعل المضارع</p> <p>LEARNING OBJECTIVES-</p> <p>أن يتعرف الطالب أدوات جزم الفعل المضارع وعملها</p> <p>أن يعرب الفعل المضارع المجزوم</p> <p>أن يوظفه في كتاباته</p>	<p>يكتب الطالب موضوعًا مستخدمًا الفعل المضارع المجزوم</p>	<p>https://www.youtube.com/watch?v=rGHcNSmCbsU</p>
<p>ISLAMIC (ARABS)</p>	<p>TOPIC</p> <p>آداب السفر-الشفاء بنت عبد الله العذوية-قصة مؤمن آل يس</p> <p>LEARNING OBJECTIVE:</p> <p>أن يوضح الطالب آداب السفر (قبل – أثناء – بعد) بالاستدلال من القرآن والسنة</p> <p>أن يستنبط الطالب ثمرات التأدب 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>سيكلف الطالب ببعض التكاليف البيتية-يحرص على الأخذ بالأسباب- ويحرص على الالتزام بأدب السفر</p> <p>يكتب بحثًا عن الشفاء بنت عبد الله</p> <p>يكتب بحثًا عن الفأل الحسن</p> <p>يكتب بحثًا عن بيت المقدس</p>	<p>https://www.youtube.com/watch?v=tudASCjulgkI</p> <p>https://www.youtube.com/watch?v=JzvGjdJ4lo</p>

<p>ISLAMIC (NON-ARABS)</p>	<p>TOPIC – THE BATTLE OF CONFEDRATES _GOOD EARNING</p> <p><u>LEARNING OBJECTIVES-</u></p> <ul style="list-style-type: none">➤ To explicate the importance the background of the Battle of Ahzab➤ To evaluate the significance of Shuraa'➤ To elucidate the concept and importance of Good earning➤ To recognize the positive effect of halal earning on society	<p><u>Activity:</u> <u>Encourage your child to</u> Record A video on the appreciation of the role of Sahabah during the Battle of Confederates (AL-Ahzab).</p> <p>Write down an article on the efforts of UAE in encouraging and open the opportunities for its youth to do voluntary work and encouraging them to earn in a halal way.</p>	<p>https://www.youtube.com/watch?v=PR2HsmqBEgY&ab_channel=IslamTheUltimatePeace</p>
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PSHCEE	<p>TOPIC -Animal Rights</p> <p>LEARNING OBJECTIVE:</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 - The UAE in an Increasing Globalised and Interconnected World; Cultural Change</p> <p>LEARNING OBJECTIVE:</p> <ul style="list-style-type: none"> ➤ To understand the concept of 'globalization' and how it affects the UAE ➤ To understand economic concepts 	<ul style="list-style-type: none"> ➤ Encourage your child to research on the term 'globalisation'. ➤ Discuss the impact of globalization in the UAE ➤ Talk to your child about the basic economic concepts. 	https://www.britannica.com/topic/globalization
ICT	<p>TOPIC – The Effects of Using IT</p> <p>LEARNING OBJECTIVE:</p> <ul style="list-style-type: none"> ➤ To describe the effects of microprocessor-controlled devices in the home, including: their effects on leisure time, social interaction, the need to leave the home. 	<p>Activity</p> <ul style="list-style-type: none"> ➤ Encourage your child to explore the household devices that contains microprocessors. Evaluate the purpose of Microprocessor in control devices, the need to leave the house (like many everyday tasks can be carried out at home using microprocessor-controlled devices) and the positive and negative effects of microprocessors have on aspects of lifestyle ➤ Parents can help to gather information and complete the work. 	http://ictpostit.blogspot.com/2016/02/microprocessor-controlled-devices-in.html#:~:text=Washing%20machines%3B%20microprocessors%20control%20things.used%20to%20control%20things%20e.g.

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 2020. Create a presentation that shows the functions of various Smart Lighting Systems and how they are different from each other. <p>Parents can help to gather the information and complete the presentation.</p>	<p>https://www.allhomerobotics.com/the-best-smart-lighting-systems/#:~:text=Using%20a%20smart%20lighting%20system,even%20by%20using%20voice%20commands.</p>
HISTORY	<p>TOPIC :British Empire</p> <p>LEARNING OBJECTIVE:</p> <ul style="list-style-type: none"> ➤ To explore the main colonies that formed the British Empire ➤ To find out how far the British Empire spread around the world. 	<p>Activity:</p> <p>On a large A3 map of the world, shade in pink or red the major territories that were at one-point part of the British Empire. Also, label each with the dates of their entry to and exit from the British Empire you could help your child then decorate the map in the style of the 1886 'Imperial Federation' map. Discuss with your child: Why was the British Empire known as 'the empire on which the sun never set'?</p>	
GEOGRAPHY	<p>TOPIC :_Asian Biomes</p> <p>LEARNING OBJECTIVE:</p> <ul style="list-style-type: none"> ➤ To examine the climatic conditions responsible for the different biomes in Asia 	<p>Activity:</p> <p>Assist your child to explore the climatic conditions that is responsible for the different biomes in Asia Research along with you child the adaptations seen in the Flora and fauna of the Different biomes in Asia</p>	<p>https://www.youtube.com/watch?v=CvQP7hI9UvM</p> <p>https://www.youtube.com/watch?v=kW6DCp9xvWw</p>

UAE SOCIAL STUDIES	<p>TOPIC: East Asia</p> <p>LEARNING OBJECTIVE:</p> <p>To analyse the cultural diversity of the East Asian Countries</p>	<p>Research along with your child the distinct cultural diversity of East Asian countries and few things that are common in the culture of these countries</p>	<p>https://study.com/academy/lesson/cultural-patterns-of-south-asia.html</p>
FRENCH	<p>TOPIC</p> <p>VOYAGER A L'ETRANGER”</p> <p>LEARNING OBJECTIVE:</p> <ul style="list-style-type: none"> ➤ To name countries and capital cities ➤ To name different means of transport that we use. ➤ 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 	<p>Activity:</p> <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) ➤ Ask your child to name and indicate countries that his/her school mates come from; 	<p>http://www.youtube.com</p> <p>https://www.youtube.com/watch?v=ZUiJbn7c7Bg</p> <p>https://www.youtube.com/watch?v=llgy8APXFyl</p> <p>https://quizlet.com/139101220/lespays-du-monde-avec-les-prepositions-flash-cards/</p> <p>http://www.audiofrench.com French radio stations: www.cheriefm.fr</p> <p>http://www.rfm.fr/</p> <p>http://www.nostalgie.fr/</p> <p>http://www.voltage.fr/</p>