



The Winchester School

Year 8- Family Learning Newsletter – March- 2022

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	<p>TOPIC – Frankenstein</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To develop research skills. ➤ To develop persuasive skills ➤ To develop analytical and critical thinking skills 	<ul style="list-style-type: none"> ✓ Ask your child to research on the gothic genre. ✓ Encourage them to further find another example of gothic literature and justify why this conforms to the Gothic genre. ✓ Encourage your child to write their own short script. ✓ Discuss with your child on how the society is similar to the main themes in Frankenstein. ✓ Challenge your child to persuade you to believe that the monster is not at fault. 	<p>http://www.gradesaver.com/frankenstein/</p> <p>http://www.dagonbytes.com/thelibrary/index.html</p>
MATHS	<p>TOPIC: Straight line Graphs:</p> <p>LEARNING OBJECTIVE:</p> <ul style="list-style-type: none"> ➤ Will be able to express functions algebraically and represent them in graph ➤ Will be able to find the equation of a line from its graph $y=mx+c$ and calculate and interpret gradient and intercept of a graph. ➤ Plot a straight-line graph from the equation given. ➤ Analyze a straight-line graph and identify its slope and Y-Intercept <p>TOPIC: Length Mass capacity conversions</p> <p>LEARNING OBJECTIVE:</p>	<p>Encourage your child to</p> <ul style="list-style-type: none"> ✓ Think of a real-life example of temperature as a dependent on various factors. ✓ Research on how you can represent the growth of the company sales in different years in the form of straight-line graph. ✓ Research on the various applications on a straight-line graph. Straight line graphs are used in the research process and the preparation of the government budget. They are used in Chemistry and Biology. Straight line graphs are used to estimate whether our body weight is appropriate according to our height. 	<p>https://corbettmaths.com/2019/09/02/drawing-linear-graphs-practice-questions/</p> <p>https://www.khanacademy.org/math/algebra/x2f8bb11595b61c86:linear-equations-graphs</p> <p>https://www.khanacademy.org/math/cc-fifth-grade-math/imp-measurement-and-data-3</p>



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	<p>➤ Convert from one metric unit to the other. (for Length /mass/ capacity)</p>	<p>Encourage your child to</p> <ul style="list-style-type: none"> ✓ Research on the various units of measurements used for Length / mass / capacity. ✓ Different Units have different unit measurements, create a mind map of the conversion table for area and volume for the basic metric units. 	<p>https://corbettmaths.com/2019/09/09/convertng-units-for-areas-volumes-practice-questions/</p> <p>https://www.mathsisfun.com/measure/index.html</p>
<p style="text-align: center;">SCIENCE</p>	<p>TOPIC – Density & pressure LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ✓ Use the particle model to explain differences in the densities of gases. ✓ Evaluate a method of measuring density. ✓ Describe what is meant by concentration and pressure. Use the particle model to explain differences in concentration and pressure. ✓ Explain how pressure can be applied on a solid surface and describe some effects of varying pressure. ✓ Describe how pressure in a liquid alters with depth. Explain pressure increases in relation to particles and gravity. ✓ Relate floating and sinking to density, displacement and up-thrust. 	<p>Encourage your child to</p> <ul style="list-style-type: none"> ✓ Use three different balloons – one filled with helium, another with air and the third with carbon dioxide – to explore differences in the densities of these gases. Consider the chemical formula of the gases, in conjunction with the Periodic table. Work out the molecular mass of each. They can use a balloon to show that gases exert a pressure. Blow up a balloon and feel the balloon at different stages. They should establish that the more particles of air there are, the higher the pressure they exert. ✓ Design another such experiment to show the relation between particles of air and the pressure it exerts. 	<p>https://www.youtube.com/watch?v=AYq1VLOo-EE</p> <p>https://www.youtube.com/watch?v=cEnJITnn_4U</p> <p>https://www.youtube.com/watch?v=D5QKH2jovjQ</p> <p>https://www.youtube.com/watch?v=D5QKH2jovjQ</p> <p>https://www.youtube.com/watch?v=Grziaq-caVE</p> <ul style="list-style-type: none"> • https://www.youtube.com/watch?v=r7ZfzJ-yP3U



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	<ul style="list-style-type: none">✓ Explore how the pressure in a gas varies with height above the Earth. Explain the implications of this changing pressure.✓ Give examples of how pressure affects our lives. Explain how pressure is used and managed	<ul style="list-style-type: none">✓ Make predictions about pressure – for example ‘Will an elephant do more or less damage to a wooden floor than a woman in stiletto heels?’. (An elephant weighs about 5000 kg and a woman about 50 kg. An elephant’s foot is about 40 cm in diameter, area about 1200 cm²; the area of a stiletto heel is less than 1 cm². Students will justify the answer.✓ Explore the idea of atmospheric pressure further by inviting students to attempt to separate Magdeburg hemispheres before and after evacuation. Applications: The students should identify potential implications and uses of understanding atmospheric pressure (e.g. better weather predictions to anticipate natural disasters; better training for athletes; improved treatment of people with breathing difficulties).	
ARABIC (Arabs)	TOPIC – روح الطبيعة LEARNING OBJECTIVES- أن يحدد الفكرة الرئيسة والأفكار الفرعية في النص أن يحلل النص تحليلًا أدبيًا أن يفسر النص تفسيرًا إجماليًا أن يكتب موضوعًا في وصف الطبيعة التمييز – LEARNING OBJECTIVES-	يكتب الطالب موضوعًا في وصف الطبيعة	https://www.youtube.com/watch?v=YoPeHs7sWsU https://www.youtube.com/watch?v=zIRqK90SdXQ



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	أن يتعرف التمييز أن يعربه أن يوظفها في كتاباته	يكتب الطالب فقرات تتضمن التمييز	
ARABIC (non Arabs)	TOPIC – عالم العمل LEARNING OBJECTIVES: - أن يوضح الطالب أهمية العمل. - أن يصمم الطالب السيرة الذاتية. - أن ينشئ الطالب موضوعًا عن العمل. - أن يوظف التركيب (أضف إلى ذلك) - أن يحلل النص تحليلًا أدبيًا. - أن ينشئ الطالب حوارًا مع صاحب العمل. - أن يعرب الطالب الجملة الفعلية.	- يقوم الطالب بعمل فيديو عن العمل. - يصمم سيرته الذاتية. - يتكلم و يكتب عن عمل والده ووالدته. - فيديو مقابلة مع صاحب العمل	https://www.youtube.com/watch?v=2eYN-TI2P0E https://www.youtube.com/watch?v=M4gJVbCo0_8 https://www.youtube.com/watch?v=6Ln2twpKv_A
ISLAMIC STUDIES (Arabs)	TOPIC – الشفاء بنت عبد الله العدوية-قصة مؤمن آل يس-أقدس بيوت الله تعالى LEARNING OBJECTIVES- أن يستنتج صفات الشفاء أن يقتدي بالشفاء في حياته أن يبدي رأيه في قصة آل يس أن يستنتج فضل المساجد الثلاثة	يكتب بحثًا عن الشفاء بنت عبد الله يكتب موضوعًا بيت المقدس يكتب قصة مؤمن آل ياسين	https://www.youtube.com/watch?v=ON4oAXm_OBs https://www.youtube.com/watch?v=7BQVfWxgsq0



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<p>ISLAMIC STUDIES (Non- Arabs)</p>	<p>TOPIC – The Battle of Hunayn I am the best among you to my wives</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To define the causes of the battle of Hunayn (By referencing Quran& seerah). ➤ To analyze Prophet’s (P.B.U.H) instruction during battle. ➤ To comprehend everyone’s duty towards his Family. ➤ To analyze the consequences of not having good relations with family. 	<p>Motivate your child to:</p> <p>Create a chart comparing the advantages and the disadvantages of the strategies used during the time of Prophet (P.B.U.H) and compare them with today’s war strategies.</p>	<p>https://www.youtube.com/watch?v=sh19GqpgSC8</p> <p>https://www.youtube.com/watch?v=it5-OB3Ubbo</p>
<p>PSHCEE</p>	<p>TOPIC – Financial Management</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To understand the different types of bank accounts. ➤ To know how to budget 	<p>Encourage your child to</p> <ul style="list-style-type: none"> ✓ Mange the finances of their own expenses and provide you with a weekly report on how much and on what it was spent. ✓ Think of ways to budget more economically for the following week. ✓ Talk with a relatives, friends or neighbours who works in a bank about his job. ✓ Accompany you to the bank the next time you need to. 	<p>https://www.mymoneycoach.ca/budgeting/what-is-a-budget-planning-forecasting</p>



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MORAL EDUCATION	<p>TOPIC – Globalisation in the UAE</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To understand the concept of 'globalisation' and how it affects the UAE 	<ul style="list-style-type: none"> ✓ Discuss the impact of globalisation in the UAE. ✓ Talk to your child about the basic economic concepts. 	https://www.britannica.com/topic/globalization
HISTORY	<p>TOPIC – Growth of British Empire: Causes</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To examine the factors for the need and growth of British Empire from 1750-1900 	<p>Research and help your child answer to:</p> <ul style="list-style-type: none"> ✓ Do you think the methods used by British to acquire the colonies were justified? Explain your answer. 	<p>Win History Workbook ; www.bbc.co.uk/history www.history on the net</p>
GEOGRAPHY	<p>TOPIC – Factors affecting climate</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To analyse the effect of distance from the sea, altitude and other factors on the climate of a place. 	<p>Encourage your child to answer the following question: Why does climate vary from place to place?</p>	<p>tps://www.bbc.co.uk/bitesize/to pics/zx38q6f *https://www.metlink.org/resourc e/key-stage-3/ *https://www.bbc.co.uk/bitesize/ guides/zw9qtfr/revision/4</p>
UAE SOCIAL STUDIES	<p>TOPIC – Economy and Cities of South Asia</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To examine the sources of the import and export products of South Asian Countries. 	<p>Help your child research on</p> <ul style="list-style-type: none"> ✓ Any two developing countries in South Asia and make a comparative analysis of the factors that contribute to their economic growth How has the pandemic affected the economy of UAE. 	<p>MOE UAE SST TEXT BOOK year 8</p>
FRENCH	<p>TOPIC – C'était vraiment sympa</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To give information about past holidays 	<p>Encourage your child to design a postcard (for example a postcard from Dubai) When do we</p>	<p>https://www.youtube.com/watch?v=jnSHv47ISqw&t=36s</p>



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	<ul style="list-style-type: none"> ➤ To give opinions about holidays ➤ To use the past perfect forms conjugated with ETRE and AVOIR ➤ To compare the past perfect tense with the imperfect tense 	<p>usually write postcards? What information do we include in writing a postcard for holidays?</p>	<p>https://www.youtube.com/watch?v=gBZ5Y9SJrKg</p> <p>https://www.youtube.com/watch?v=7_Gs4gn2BgE</p>
ICT	<p>TOPIC – Cryptocurrencies</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To analyse the features of Cryptocurrency and its applications. 	<ul style="list-style-type: none"> ✓ Research about Cryptocurrency and reasons why cryptocurrencies are so popular? ✓ Justify the statement-Are cryptocurrencies a good investment? Create a report on cryptocurrencies, types of cryptocurrencies and its advantages and disadvantages. 	<p>https://www.investopedia.com/terms/c/cryptocurrency.asp</p>
STEAM	<p>TOPIC – Global build Challenge 2021: Peace With Nature.</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To explain what improves and harms environments and about some of the ways people look after them. 	<p>Motivate your child to research on</p> <ul style="list-style-type: none"> ✓ Education for sustainable development and ensure that it is embedded in learning systems : Learn for our planet: What you need to know (unesco.org) ✓ The information on sustainable living communities and development goals. ✓ Create a 3D model on Peace on nature, solution for global issues in environment using minecraft education. 	<p>https://education.minecraft.net/en-us/lessons/global-build-challenge-2021-peace-with-nature</p> <p>Discover projects Unesco Green Citizens</p>