



The Winchester School

Year 8 - Family Learning Newsletter – February - 2020

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	<p>TOPIC : GOthic LITERATURE</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 the Gothic genre.• They could encourage further find an example of another text which is an example of Gothic Literature and explain 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 : CIRCUMFERENCE AND AREA OF A CIRCLE</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none">• Define a circle and its parts and also calculate area and circumference of a circle. <p>TOPIC : STEM AND LEAF DIAGRAM</p> <p>LEARNING OBJECTIVES-</p>	<ul style="list-style-type: none">• Activity: Parents can encourage the students to do the investigation on the formula for the area of a circle and the circumference.• Real Life: A cartwheel has a radius of 2m, it takes 100 revolutions for it to reach the other end of the road. What could be width of the road?• Activity: Encourage the students to do a survey on how many hours they spend on the gadgets with your class mates, create a	<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>https://www.tes.com/teaching-resource/parts-circumference-and-area-of-a-circle-6344049</p>



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	<ul style="list-style-type: none"> Construct a Stem and Leaf Diagram, and use it to find the median and range. 	<p>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> <ul style="list-style-type: none"> Real life: Various census surveys analysis and population surveys can be analysed using stem and leaf diagrams. 	<p>https://www.khanacademy.org/partnercontent/nasa/measuringuniverse/orbital-mechanics/e/area-and-circumference-of-circles</p> <p>http://www.bbc.co.uk/bitesize/ks3/maths/handling_data/measures_average/activity/</p> <p>https://www.bbc.com/bitesize/guides/zqymng8/revision/5</p> <p>http://mathworld.wolfram.com/Stem-and-LeafDiagram.html</p>
SCIENCE	<p>TOPIC – CHEMICAL CHANGES</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> Describe the applications of acids. Evaluate the hazards that acids pose to an individual and their surroundings. Identify and describe the real life applications of alkalis. Evaluate the hazards posed by a number of alkalis and list some of the safety measures. 	<ul style="list-style-type: none"> Encourage the students to create an interactive page on some real life examples of acids and alkalis. Create a newsletter on the hazards of acids to the surroundings. Prepare a report on the accidents caused by the use of acids and alkalis and suggest the preventive measures. 	<p>http://www.scienceclarified.com/everyday/Real-Life-Chemistry-Vol-2/Acids-and-Bases-Real-life-applications.html</p> <p>http://acids-vs-bases.weebly.com/examples-in-everyday-life.html</p> <p>https://www.ukessays.com/essays/chemistry/applications-acid-bases-8709.php</p>



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	<ul style="list-style-type: none">• Exemplify an indicator and describe why indicators are useful.• Explain the use of indicator in analysing the data generated in an experiment.• Compare and contrast the effectiveness of a universal indicator over different indicators.• Interpret measurements of pH made using universal indicator.• Predict the reactants and salts made in different neutralisation reactions.• Describe indigestion remedies and the way that they work. <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.	<ul style="list-style-type: none">• Create a poster on the uses of different indicators.• Plan an experiment to explain a chemical change using an indicator.• Create a pH scale and determine the pH of various substances and present it in a form of report.• Use a virtual laboratory to understand the process of neutralisation.• Create an interactive page on the applications of neutralisation process.• Create a model of lungs and demonstrate the process of inhalation & exhalation.• Encourage the students to 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 the products of aerobic respiration in yeast.• Plan an investigation, to find out who amongst the class has a good stamina.	<p>https://www.acs.org/content/dam/acs.org/about/governance/committees/chemicalsafety/publications/identifying-and-evaluating-hazards-in-research-laboratories.pdf</p> <p>https://www.tulane.edu/~sanelson/Natural_Disasters/introduction.htm</p> <p>http://www.middle-school-chemistry.com/lessonplans/chapter6/lesson8</p> <p>http://www.fp.utm.my/projek/psm/webttr/Neutralisation/learning2b.html</p> <p>https://www.youtube.com/watch?v=k2oGu9bSY</p> <p>https://www.youtube.com/watch?v=i8c5JcnFaJ0</p> <p>https://www.youtube.com/watch?v=C Bv2BqgAydE</p> <p>https://www.youtube.com/watch?v=s bG6rpfy07Y</p> <p>https://www.youtube.com/watch?v=4 GB2BLQGx0s</p> <p>https://www.youtube.com/watch?v=8_x7Fy06ibg</p> <p>https://www.youtube.com/watch?v=R DUqDWIFJdw</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.	<ul style="list-style-type: none">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.	https://www.youtube.com/watch?v=8Y_Fdjl2v4I
ARABIC (Arabs)	<p>TOPIC –</p> <p>إرادة وثبات :الأناقة لا تكلف مألًا جزم الفعل المضارع</p> <p>LEARNING OBJECTIVES-</p> <p>أن يحدد المعنى الإجمالي للنص الشعري *</p> <p>أن يحلل النص الشعري تحليلًا أدبيًا *</p> <p>أن يقارن النص مع نص خارجي مقارنة أدبية *</p> <p>أن يبدي رأيه الأدبي في النص الشعري *</p>	<p>يقوم الطالب بالبحث في خصائص شعر الوصف في العصر العباسي.</p> <p>يبحث الطالب في مفهوم الإسراف وأضراره.</p> <p>يكتب الطالب قصة قصيرة موزعًا السرد والوصف والحوار.</p>	<p>https://ar.wikipedia.org/wiki/%D8%A7%D9%84%D8%A3%D8%AF%D8%A8%D9%81%D9%89%D8%A7%D9%84%D8%B9%D8%B5%D8%B1%D8%A7%D9%84%D8%B9%D8%A8%D8%A7%D8%B3%D9%8A</p> <p>https://ar.wikipedia.org/wiki/%D8%A7%D9%84%D8%A5%D8%B3%D8%B1%D8%A7%D9%81%D9%88%D8%A7%D9%84%D8%AA%D8%A8%D8%B0%D9%8A%D8%B1</p>



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	<p>أن يحلل المعلومات الواردة في النص مبيئاً الأدلة *</p> <p>أن يحدد الفكرة الرئيسية والأفكار الداعمة للنص * المعلوماتي.</p> <p>أن يبدي رأيه الأدبي في النص *</p> <p>مسافر بالدرجة الثالثة</p> <p>أن يحدد الأحداث التي تطور الحكمة -</p> <p>أن يتتبع السرد والوصف والحوار في القصة -</p> <p>أن يفسر الكلمات مستخدماً المعجم الورقي والرقمي -</p> <p>أن يحلل الصفات النفسية للشخصيات -</p> <p>أن يتعرف أدوات جزم الفعل المضارع وحالات جزمه -</p> <p>أن يعرب الفعل المضارع المجزوم -</p>		<p>https://www.youtube.com/watch?v=mNct1kXbN0c</p>
ISLAMIC STUDIES (Arabs)	<p>TOPIC – الإيمان بالقضاء والقدر –الشفاء بنت عبد الله العذوية</p> <p>LEARNING OBJECTIVES-</p> <p>أن يوضح مفهوم القضاء والقدر أن يستنتج أهمية الإيمان بالقضاء والقدر</p>	<p>يكتب بحثاً عن القضاء بالقدر يكتب بحثاً عن أهمية معلمة للنساء في المجتمع يكتب عن مخاطر عدم الإيمان بالقضاء والقدر يكتب بحثاً عن مكانة الإيمان بالقدر-</p>	<p>https://www.youtube.com/watch?v=WX_74k3rqJw</p>



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	<p>أن يبين مفهوم التوكل على الله تعالى . أن يتعرف على جوانب من سيرة الشفاء بنت عبد الله- *يستنتج دور المرأة في الإسلام في مجالي العلم والعمل - * أن يقتدي بالشفاء في حبها للعلم وتعليمه -</p>		
ARABIC (Non- Arabs)	<p>TOPIC – عالم العمل-1 السيرة الذاتية -2</p> <p>LEARNING OBJECTIVES-</p> <p>أن يصمم الطالب سيرته الذاتية - أن يبحث عن وظائف في جريدة الخليج - أن يطل النص تحليلاً أدبياً - أن يصف الطالب عمل والده - أن يصمم خريطة ذهنية توضح مكونات السيرة الذاتية - أن ينشيء موضوعاً عن العمل - أن يبدي رأيه في العمل - أن يقارن بين العمل في الماضي والحاضر -</p>	<p>يصمم السيرة الذاتية - يسجل فيديو يتكلم فيه عن سيرته الذاتية - يكتب تقريراً عن العمل في دبي - يسجل فيديو لمقابلة بينه وبين صاحب العمل - يقرأ تقريراً في جريدة الخليج عن الوظائف المتوفرة في - الإمارات وسوق العمل</p>	<p>https://www.youtube.com/watch?v=b5m2TsUo http://learnarabiconline.ksu.edu.sa/Unit9/Lesson1/9-1-1.aspx</p>



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<p>ISLAMIC STUDIES (Non- Arabs)</p>	<p>TOPICS –</p> <ul style="list-style-type: none"> • THE BATTLE OF HUNAYN • MAINTAINING THE TIES OF KINSHIP <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> • 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) • To elucidate the concept of maintaining the ties of kinship in Islam(By referencing Quran and Ahadeeth) • To analyze the negative effects of not taking care of kinship ties. (by giving examples from day to day life) 	<ul style="list-style-type: none"> • Create a chart showing the strategies used during the time of Prophet (P.B.U.H) and compare these strategies with today’s war strategies by comparing advantages and disadvantages of these strategies. • Create a mind map on the benefits of maintaining ties on an individual and on the society. 	<p style="text-align: center;">The Battle of Hunayn</p> <p style="text-align: center;">Maintaining the ties of kinship</p>
<p>PSHCEE</p>	<p>TOPIC – THE ENVIRONMENT ANIMAL RIGHTS</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> • To understand animals rights. • To be able research animal testing and recognise bias. 	<ul style="list-style-type: none"> • Discuss with your child environmental issues Global warming, deforestation. etc. • To discuss with your child about animal rights. • Visit Posh Paws or Dubai Safari and discuss how animals are taken care of in each place. 	<p>https://www.youtube.com/watch?v=Oa7ntoCf8yU</p>



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		<ul style="list-style-type: none"> Encourage your child to create a poster to protest animal cruelty using his/her ICT skills. 	
MORAL EDUCATION	<p>TOPICS –</p> <ul style="list-style-type: none"> Trade, Travel And Communications: The UAE In The Increasing Globalised And Interconnected World; Cultural Exchange Human Needs <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> To understand the concept of 'globalisation' and how it affects the UAE. To understand some basic human needs, and why meeting such needs is important. To understand the link between unmet basic human needs and the occurrence of violent conflict. 	<ul style="list-style-type: none"> Encourage your child to research on the term 'globalisation'. Discuss the impact of globalisation in UAE. Encourage your child to research on the basic human needs, and explain why meeting such needs is important. Discuss with your child the impact of not meeting basic human needs and the occurrence of violent conflict. 	<p>https://www.britannica.com/topic/globalization</p> <p>https://www.interaction-design.org/literature/article/needs-before-wants-in-user-experiences-maslow-and-the-hierarchy-of-needs</p>
HISTORY	<p>TOPIC – TRAIL OF TEARS</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> To investigate the Cherokee Indian tribe's history 	<ul style="list-style-type: none"> Imagine that you belong to the Cherokee tribe: Along with your child create a diary entry to explain your feelings about what is happening to your people? Help your child research and write an article on the early tribes of UAE. 	<p>https://www.youtube.com/watch?v=xwBXOxQqkGc</p> <p>https://www.youtube.com/watch?v=xwBXOxQqkGc</p>



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GEOGRAPHY	TOPIC – COASTS LEARNING OBJECTIVES- <ul style="list-style-type: none">To examine the causes of waves and tides and how waves shape the coastline.	<ul style="list-style-type: none">Discuss with your child the coastline of UAE.Imagine you are in Jumeirah beach the life guards instruct you not to swim and go back. Give reasons and explain it to your child.Collect the information on coastal landforms in UAE and help your child make a poster.	textbook, prepared power point presentation. http://www.youtube.com/watch?v=tN42EWWTP3w https://www.youtube.com/watch?v=U9EhVa4MmEs
UAE SOCIAL STUDIES	TOPIC – THE CONSTITUTION OF UAE LEARNING OBJECTIVES- <ul style="list-style-type: none">To identify the salient features of the constitution of UAE and explain the importance of the constitution for the unity of the country.	<ul style="list-style-type: none">Discuss with your child what is a constitution and why does a country need a constitution?Have a discussion with your child on how the establishment of the Constitutional Federation of UAE impact the governance of different Emirates.	https://www.youtube.com/watch?v=-2x2LBnGoPE https://www.youtube.com/watch?v=BydxIEBoYJY
FRENCH	LEARNING OBJECTIVES- <ul style="list-style-type: none">To name means of transport.To give opinions about transportation.To discuss past holidays.To use the past perfect forms conjugated with ETRE.	<ul style="list-style-type: none">Encourage your child to do regular work: 15-20 minutes 4 times a week spent with French will guarantee a good progress.Go through your photo albums and take this opportunity to spend some time together remembering the past holidays spent together; what means of transport do you usually take to go on holidays ?What were the best moments and what would you change? Have you already thought about the destination of your next holidays?	https://quizlet.com/113256255/les-moyens-de-transport-flash-cards/ https://quizlet.com/59556888/opinions-sur-les-moyens-de-transport-et-les-villes-et-pays-flash-cards/ https://www.youtube.com/watch?v=NIEi-r7bdR0 https://www.youtube.com/watch?v=hL2UQhOHWJE&t=25s https://www.youtube.com/watch?v=jnSHv47ISqw http://www.audiofrench.com



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ICT	<p>TOPIC – OPERATING SYSTEM</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none">• Research skills: To analyse the purpose and the importance of Operating System.• To explore the different types of Operating System Interfaces.	<ul style="list-style-type: none">• Encourage your child to explore the purpose and the importance of Operating system.• Motivate your child to do the research and make the report about the different types of operating Systems, its benefits and how they are different from each other.• Parents can help to research, analyse and explore the various Operating Systems available in computers.	<p>https://www.ictlounge.com/html/operating_systems.htm</p>
STEAM	<p>TOPIC – AXLES</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none">• To design an axle model and categorise based on first, second and third class levers.• To determine the direction and amount of effort in the lever model.	<ul style="list-style-type: none">• Support your child to research on steps to categorise axles as first, second and third class axles.• Share with your child about real life examples of axles and its importance.• Motivate your child to create a model which include axle and describe its effects.	<p>https://kidsparkeducation.org/system/files/documents/wheel-axle-teacher-lesson-plan-v23_0.pdf</p>