



# The Winchester School

## Year 8 - Family Learning Newsletter – April- 2020

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	TOPIC: READING COMPREHENSION  LEARNING OBJECTIVES- <ul style="list-style-type: none"><li>To enhance reading skills of students.</li></ul>	Encourage your child – <ul style="list-style-type: none"><li>In the light of the PTE, TIMSS and PISA and other exams that challenge the reading and analytical skills of the students, the following activity has been designed.</li><li>Students will read the article provided in the link on marine life in the oceans.</li><li>Create bullet points that cover the main points of the passage.</li><li>With your child look up Bloom's Taxonomy and create a range of questions that challenge the child on varied skills.</li></ul>	<a href="http://www.sciencejournalforkids.org/uploads/5/4/2/8/54289603/tar_get_mpa_article.pdf">http://www.sciencejournalforkids.org/uploads/5/4/2/8/54289603/tar_get_mpa_article.pdf</a>  <a href="http://www.bloomstaxonomy.org/Blooms%20Taxonomy%20questions.pdf">http://www.bloomstaxonomy.org/Blooms%20Taxonomy%20questions.pdf</a>
MATHS	TOPIC: Straight line Graphs  LEARNING OBJECTIVES- <ul style="list-style-type: none"><li>Will be able to understand functions and map two sets of numbers.</li><li>Will be able to express functions algebraically and represent them in mappings.</li></ul>	<ul style="list-style-type: none"><li>Discuss real life examples of temperature as a dependent on various factors.</li><li>Research: How you can represent the growth of a company sales in different years in the form of straight-line graph.</li><li>Encourage your child to practise the given in live class as well as E-learning.</li></ul>	<a href="http://www.staff.vu.edu.au/mcaonline/units/percent/pereve.html">http://www.staff.vu.edu.au/mcaonline/units/percent/pereve.html</a>  <a href="http://www.bowlandmaths.org.uk/materials/projects/online/you_reckon/You%20Reckon_Web/page_08.htm">http://www.bowlandmaths.org.uk/materials/projects/online/you_reckon/You%20Reckon_Web/page_08.htm</a>



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	<ul style="list-style-type: none"><li>• Will be able to find the equation of a line from its graph and calculate and interpret gradient and intercept of a graph.</li></ul> <p>TOPIC: Pythagoras</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"><li>• Will be able to apply Pythagoras theorem in a right-angled triangle.</li><li>• Will be able to evaluate the missing sides of a right-angled triangle</li></ul>	<ul style="list-style-type: none"><li>• Discuss: The worksheets from the site math IXL.com as the questions would come in similar matter.</li><li>• Encourage your child to attempt critical thinking questions like this and application-based questions.</li><li>• Real life: For example, architects and engineers use this formula extensively when building ramps.</li><li>• The owners of a house want to convert a stairway leading from the ground to their back porch into a ramp. The porch is 3 feet off the ground, and due to building regulations, the ramp must start 12 feet away from the base of the porch. How long will the ramp be?</li><li>• To solve a problem like this one, it often makes sense to draw a simple diagram showing the legs and hypotenuse of the triangle. Encourage the students to visualize the problem as a diagram and then solve.</li></ul>	<p><a href="http://nrich.maths.org/12011">http://nrich.maths.org/12011</a></p> <p><a href="http://www.educationworld.com/a_curr/mathchat/mathchat010.shtml">http://www.educationworld.com/a_curr/mathchat/mathchat010.shtml</a></p> <p><a href="https://www.learner.org/resources/series140.html">https://www.learner.org/resources/series140.html</a></p> <p><a href="https://www.quora.com/What-is-an-example-of-a-linear-functions-real-life-situation">https://www.quora.com/What-is-an-example-of-a-linear-functions-real-life-situation</a></p> <p><a href="https://www.bbc.com/bitesize/guides/z3hv97h/revision/1">https://www.bbc.com/bitesize/guides/z3hv97h/revision/1</a></p> <p><a href="https://www.bbc.com/bitesize/guides/z3hv97h/test">https://www.bbc.com/bitesize/guides/z3hv97h/test</a></p> <p><a href="https://www.khanacademy.org/math/basic-geo/basic-geometry-pythagorean-theorem/pythagorean-theorem/e/pythagorean_theorem_1">https://www.khanacademy.org/math/basic-geo/basic-geometry-pythagorean-theorem/pythagorean-theorem/e/pythagorean_theorem_1</a></p>
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SCIENCE	<p>TOPIC – Density &amp; pressure</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"><li>• Use the particle model to explain differences in the densities of gases.</li><li>• Evaluate a method of measuring density.</li><li>• Describe what is meant by concentration and pressure. Use the particle model to explain differences in concentration and pressure.</li><li>• Explain how pressure can be applied on a solid surface and describe some effects of varying pressure.</li><li>• Describe how pressure in a liquid alters with depth. Explain pressure increases in relation to particles and gravity.</li><li>• Relate floating and sinking to density, displacement and up thrust.</li><li>• Explore how the pressure in a gas varies with height above the Earth. Explain the implications of this changing pressure.</li><li>• Give examples of how pressure affects our lives. Explain how pressure is used and managed</li></ul>	<ul style="list-style-type: none"><li>• 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. Students need to work out the molecular mass of each.</li><li>• You 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.</li><li>• Design another such experiment to show the relation between particles of air and the pressure it exerts.</li><li>• Students to 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 cm<sup>2</sup>; the area of a stiletto heel is less than 1 cm<sup>2</sup>. Students will justify the answer</li><li>• Explore the idea of atmospheric pressure further by inviting students to attempt to</li></ul>	<p><a href="https://www.youtube.com/watch?v=A Yq1VLOo-EE">https://www.youtube.com/watch?v=A Yq1VLOo-EE</a></p> <p><a href="https://www.youtube.com/watch?v=c EnJITnn_4U">https://www.youtube.com/watch?v=c EnJITnn_4U</a></p> <p><a href="https://www.youtube.com/watch?v=D 5QKH2joviQ">https://www.youtube.com/watch?v=D 5QKH2joviQ</a></p> <p><a href="https://www.youtube.com/watch?v=D 5QKH2joviQ">https://www.youtube.com/watch?v=D 5QKH2joviQ</a></p> <p><a href="https://www.youtube.com/watch?v=G rziag-caVE">https://www.youtube.com/watch?v=G rziag-caVE</a></p> <p><a href="https://www.youtube.com/watch?v=r 7ZfzJ-yP3U">https://www.youtube.com/watch?v=r 7ZfzJ-yP3U</a></p>
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		<p>separate Magdeburg hemispheres before and after evacuation.</p> <ul style="list-style-type: none"><li>Applications: The students to 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).</li></ul>	
ARABIC (Arabs)	<p>TOPIC النهر المتجمد: LEARNING OBJECTIVES-</p> <p>* أن يحدد المعنى الإجمالي للنص الشعري. * أن يحلل النص الشعري تحليلًا أدبيًا. * أن يقارن النص مع نص خارجي مقارنة أدبية. * أن يبدي رأيه الأدبي في النص الشعري.</p> <p>غولة النهر: * أن يحدد الفكرة الرئيسية للقصة. * أن يحلل النص القصصي تحليلًا أدبيًا. * أن يحدد عناصر القصة الفنية. * أن يبدي رأيه الأدبي في النص القصصي. التركيب الإضافي: * أن يستخدم التركيب الإضافي في سياقات متعددة. * أن يعرب التركيب الملاضافي.</p>	<p>يكتب الطالب موضوعًا يصف فيه جمال الطبيعة.</p> <p>يكتب الطالب قصة أسطورة قرأها، مبيّنًا المغزى منها.</p>	<p><a href="https://mawdoo3.com/%D9%85%D9%88%D8%B6%D9%88%D8%B9_%D8%AA%D8%B9%D8%A8%D9%8A%D8%B1_%D8%B9%D9%86_%D9%88%D8%B5%D9%81_%D8%A7%D9%84%D8%B7%D8%A8%D9%8A%D8%B9%D8%A9">https://mawdoo3.com/%D9%85%D9%88%D8%B6%D9%88%D8%B9_%D8%AA%D8%B9%D8%A8%D9%8A%D8%B1_%D8%B9%D9%86_%D9%88%D8%B5%D9%81_%D8%A7%D9%84%D8%B7%D8%A8%D9%8A%D8%B9%D8%A9</a></p> <p><a href="https://ar.wikipedia.org/wiki/%D8%B9%D9%84%D9%85_%D8%A7%D9%84%D8%A3%D8%B3%D8%A7%D8%B7%D9%8A%D8%B1">https://ar.wikipedia.org/wiki/%D8%B9%D9%84%D9%85_%D8%A7%D9%84%D8%A3%D8%B3%D8%A7%D8%B7%D9%8A%D8%B1</a></p>



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ISLAMIC STUDIES (Arabs)	LEARNING OBJECTIVES-  فضائل المؤمن -تلاحم المجتمع يبين أهمية التكافل الاجتماعي يوضح الاعمال التي تحقق التلاحم في المجتمع- يتلو الآيات تلاوة صحيحة مجودة يفسر معاني المفردات يبين المعنى الإجمالي للآيات يدلل على قدرة الله تعالى ووحدانيته	سيكلف الطالب ببعض التكاليف البيتية ويحرص على الصلاة في أوقاتها وحفظ سورة الواقعة يكتب بحثاً عن فضل تفريج الكرب عن الانسان يكتب بحثاً عن تلاحم المجتمع يكتب عن فضل الصدقة وأثارها على المجتمع	<a href="https://www.youtube.com/watch?v=E68U7B8W4hg">https://www.youtube.com/watch?v=E68U7B8W4hg</a> <a href="https://www.youtube.com/watch?v=w62C1c2bzgM">https://www.youtube.com/watch?v=w62C1c2bzgM</a>
ARABIC (Non- Arabs)	TOPIC –  1- النظافة 2- العمل التطوعي  LEARNING OBJECTIVES-  - أن يصمم لافتات عن نظافة الأماكن العامة. - أن يحلل النص تحليلاً أدبياً. - أن يوضح أهمية النظافة. - أن يقارن بين نظافة الشوارع في دبي وبلاد أخرى . - أن يصمم خريطة ذهنية للعمل التطوعي. - أن يناقش أهمية العمل التطوعي.	- يناقش والده ووالدته في أهمية العمل التطوعي ويقترح أعمالاً تطوعية يمكن القيام بها. - يقرأ عن أهمية النظافة للوقاية من الفيروسات. - يسجل فيديو عن توعية أصدقائه للوقاية من فيروس كورونا. - يسجل فيديو يتحدث فيه عن أهمية النظافة الشخصية ونظافة الأماكن العامة. - يكتب تقريراً عن النظافة في دبي. - يكتب لافتات عن النظافة.	<a href="http://learnarabiconline.ksu.edu.sa/Unit7/Lesson1/7-1-1.aspx">http://learnarabiconline.ksu.edu.sa/Unit7/Lesson1/7-1-1.aspx</a> <a href="http://learnarabiconline.ksu.edu.sa/Unit7/Lesson2/7-2-2.aspx">http://learnarabiconline.ksu.edu.sa/Unit7/Lesson2/7-2-2.aspx</a> <a href="https://www.youtube.com/watch?v=s39yPVWGfWo">https://www.youtube.com/watch?v=s39yPVWGfWo</a>



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		- يقرأ تقريراً في جريدة الخليج عن اهتمام بلدية دبي بنظافة الأماكن العامة.	
ISLAMIC STUDIES (Non- Arabs)	TOPIC – <ul style="list-style-type: none"><li>• The battle of Hunayn</li><li>• Maintaining the ties of Kinship</li></ul> LEARNING OBJECTIVES- <ul style="list-style-type: none"><li>• To define the causes of the battle of Hunayn (By referencing Quran)</li><li>• To infer lessons from the battle.</li><li>• To evaluate the benefits of confronting challenges (By referencing Seerah)</li><li>• To elucidate the concept of maintaining the ties of kinship in Islam (By referencing Quran and Ahadeeth)</li><li>• To analyze the negative effects of not taking care of kinship ties. (by giving examples from day to day life)</li><li>• To elucidate the concept of maintaining the ties of kinship in Islam (By referencing Quran and Ahadeeth)To analyze the negative effects</li></ul>	<ul style="list-style-type: none"><li>• 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.</li><li>• Create a mind map on the benefits of maintaining ties on an individual and on the society.</li></ul>	<a href="https://www.youtube.com/watch?v=Z33u4QP3LRo">https://www.youtube.com/watch?v=Z33u4QP3LRo</a>  <a href="#">The importance of family ties</a>



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	of not taking care of kinship ties. (by giving examples from day to day life)		
PSHCEE	<p>TOPIC – MENTAL, HEALTH &amp; EMOTIONAL WELL-BEING</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"><li>• To discuss mental health and emotional well-being.</li><li>• To discuss the factors that affect our mental health and emotional well-being</li></ul>	<ul style="list-style-type: none"><li>• Talk to your child about the importance of mental health and emotional well-being.</li><li>• Encourage your child to share with you about their worries and discuss how this can affect their mental health.</li></ul>	<p><a href="https://www.youtube.com/watch?v=G0zJGDokyWQ">https://www.youtube.com/watch?v=G0zJGDokyWQ</a></p> <p><a href="https://www.youtube.com/watch?v=PAestsXAWsw">https://www.youtube.com/watch?v=PAestsXAWsw</a></p>
MORAL EDUCATION	<p>TOPIC –Human Needs</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"><li>• To understand that all humans are born with basic human needs.</li><li>• To explore whether there is a link between unmet basic human needs and the occurrence of conflict.</li></ul>	<ul style="list-style-type: none"><li>• Discuss with your children how their needs and wants differ from your own</li><li>• Help your children understand that many families struggle to make ends meet.</li></ul>	<p><a href="https://www.youtube.com/watch?v=38mr8ajEP4E">https://www.youtube.com/watch?v=38mr8ajEP4E</a></p>



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HISTORY	<p>TOPIC – Transatlantic Slave Trade</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> <li>To examine the human and economic costs of the Atlantic slave trade and slave conditions.</li> </ul>	<ul style="list-style-type: none"> <li>Read, research and highlight the role of slave trade in the growth of British Empire.</li> <li>It is said that the transatlantic slave trade began with the age of explorations and accelerated due to European occupation of the Americas. Help your child justify the above statement</li> </ul>	<a href="https://www.youtube.com/watch?v=dnV_MTFEGIY">https://www.youtube.com/watch?v=dnV_MTFEGIY</a>
GEOGRAPHY	<p>TOPIC – Weather and Climate</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> <li>To examine different kinds of weather and it's causes</li> </ul>	<ul style="list-style-type: none"> <li>Help your child write a report on weather and its causes.</li> <li>Brainstorm with your child on the topic: What do you think the weather would be like if the sun could heat the whole Earth evenly.</li> </ul>	<a href="https://www.youtube.com/watch?v=ubStqkkuukY">https://www.youtube.com/watch?v=ubStqkkuukY</a> <a href="https://study.com/academy/lesson/what-is-air-pressure-definition-types-causes-effects.html">https://study.com/academy/lesson/what-is-air-pressure-definition-types-causes-effects.html</a>
UAE SOCIAL STUDIES	<p>TOPIC – Innovation</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> <li>To analyse UAE National Innovation Strategy</li> </ul>	<ul style="list-style-type: none"> <li>Discuss with your child how innovation can bring about economic progress in UAE.</li> <li>Discuss and suggest ideas on how innovation and creativity important for the progress of the nation in all the fields</li> </ul>	<a href="#">UAE SST textbook Year 8</a>
FRENCH	<p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> <li>To name facilities in a town.</li> <li>To understand a publicity brochure</li> <li>To ask for and to give directions.</li> <li>To review imperative forms</li> </ul>	<ul style="list-style-type: none"> <li>Encourage your child to do a regular work: 15-20 minutes 4 times a week spent with French will guarantee a good progress.</li> <li>Ask your child to design &amp; make a brochure for French speaking tourists in Dubai; discuss the importance of tourism in Dubai; what are</li> </ul>	<a href="https://www.trip85.com/2013/05/28/guide-dubai-10-lieux-incontournables-%C3%A0-voir-%C3%A0-dubai/">https://www.trip85.com/2013/05/28/guide-dubai-10-lieux-incontournables-%C3%A0-voir-%C3%A0-dubai/</a> <a href="https://www.skyscanner.fr/actualites/les-10-meilleures-choses-faire-dubai">https://www.skyscanner.fr/actualites/les-10-meilleures-choses-faire-dubai</a>





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		<p>your favourite tourist's destinations in the UAE?</p>	<p><a href="https://quizlet.com/70963721/les-directions-flash-cards/">https://quizlet.com/70963721/les-directions-flash-cards/</a>  <a href="http://www.french-games.net">www.french-games.net</a>  <a href="http://www.language-gym.com">www.language-gym.com</a>  <a href="http://www.audiofrench.com">http://www.audiofrench.com</a>            French radio stations :  <a href="http://www.cheriefm.fr">www.cheriefm.fr</a></p>
ICT	<p>TOPIC – Artificial Intelligence (AI)</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> <li>To research about artificial intelligence.</li> <li>To explore the real-life applications of AI.</li> </ul>	<ul style="list-style-type: none"> <li>Encourage your child to research about Artificial intelligence.</li> <li>Motivate your child to find out real life applications of AI</li> </ul>	<p><a href="https://kids.kiddle.co/Artificial_intelligence">https://kids.kiddle.co/Artificial_intelligence</a>  <a href="https://www.pitara.com/science-for-kids/5ws-and-h/what-is-artificial-intelligence/">https://www.pitara.com/science-for-kids/5ws-and-h/what-is-artificial-intelligence/</a>  <a href="https://www.edureka.co/blog/artificial-intelligence-applications/">https://www.edureka.co/blog/artificial-intelligence-applications/</a></p>
STEAM	<p>TOPIC – WHEELS AND AXLES</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> <li>To design a wheel and axle for real life scenario.</li> <li>Determine the direction and amount of effort in the model.</li> </ul> <p>LEARNING OUTCOMES-</p> <ul style="list-style-type: none"> <li>Summarise the steps for developing the model.</li> </ul>	<ul style="list-style-type: none"> <li>Support your child to research on features and effects of wheels and axles and create a report on the same.</li> <li>Share with your child about real-life examples of wheels and axles and its importance.</li> <li>Motivate your child to create animation on working of wheel and axle model.</li> </ul>	<p><a href="https://www.britannica.com/technology/wheel-and-axle">https://www.britannica.com/technology/wheel-and-axle</a></p>



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	<ul style="list-style-type: none"><li>• Outline the purpose and effects of wheels and axles</li></ul>		
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