



# The Winchester School

## Year 9- Family Learning Newsletter – March- 2023

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	TOPIC: Figurative Language in Poetry  LEARNING OBJECTIVES-  ✓ To further develop an understanding on the elements and poetic tools used to compose and analyze poetry.	Encourage your child to  ✓ Expand their perceptions to inform their writing, by exploring and including their senses in their writing through metaphor and simile - a powerful way to learn more about their inner thoughts. ✓ Think about colors, while imagining what they taste, feel, smell, sound, and look like. ✓ Use their five senses as a prewriting tool to guide their poetry writing before drafting.	<a href="http://academic.brooklyn.cuny.edu/en..i/cs6/urn.html">http://academic.brooklyn.cuny.edu/en..i/cs6/urn.html</a>  <a href="http://www.bibliomania.com/2/3/255/fra meset.html">http://www.bibliomania.com/2/3/255/fra meset.html</a>
MATHS	TOPIC: Transformation  LEARNING OBJECTIVES  ✓ Reflect, rotate, translate and enlarge shapes. ✓ Describe the transformations given the object and image. ✓ Perform different transformations on an object.  TOPIC: Averages  LEARNING OBJECTIVES	Motivate your child to  ✓ Create interactive foldable notes (lapbook) on transformations. ✓ Create a transformation of Logos of cars seen in UAE. ✓ Research and explore on the effects of applying various transformations to a shape. ✓ Create a reflection puzzle. The left sandal is reflected across a line drawn between two points in the grid to make a right sandal. Can you move A and B to find the line of reflection? ✓ Play golf using transformation using mobile or PC's. Try to get the golf ball into the hole with the least number of moves.	<a href="https://www.youtube.com/watch?v=u6iFS6ul4_w">https://www.youtube.com/watch?v=u6iFS6ul4_w</a>  <a href="https://mathsmadeeasy.co.uk/gcse-maths-revision/transformations-gcse-revision-and-worksheets/">https://mathsmadeeasy.co.uk/gcse-maths-revision/transformations-gcse-revision-and-worksheets/</a>  <a href="https://www.onlinemathlearning.com/transformation-games.html">https://www.onlinemathlearning.com/transformation-games.html</a>  <a href="https://www.transum.org/Software/SW/Starter_of_the_day/Similar.asp?ID_Topic=5">https://www.transum.org/Software/SW/Starter_of_the_day/Similar.asp?ID_Topic=5</a>



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	<ul style="list-style-type: none"><li>➤ Calculate median and mode from a frequency table.</li><li>➤ Calculate the mean, median and mode from the grouped data.</li></ul>	<ul style="list-style-type: none"><li>✓ The numbers on five houses next to each other add up to 100. What are those five numbers?</li></ul>	<p><a href="https://corbettmaths.com/wp-content/uploads/2015/03/linear-interpolation.pdf">https://corbettmaths.com/wp-content/uploads/2015/03/linear-interpolation.pdf</a></p> <p><a href="https://corbettmaths.com/2019/08/28/estimated-mean-practice-questions/">https://corbettmaths.com/2019/08/28/estimated-mean-practice-questions/</a></p>
BIOLOGY	<p>TOPIC: Co-ordination and response</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"><li>➤ Investigation on measuring the reaction time</li><li>➤ To describe the Structure of CNS is made up of the brain and spinal cord; receptors, different types of neurones, coordinator as brain or spinal cord, effectors, synapses.</li><li>➤ Explain the importance of reflex actions and give examples.</li></ul>	<p>Encourage your child to</p> <ul style="list-style-type: none"><li>✓ Plan and carry out an investigation into the effect of a factor on human reaction time.</li><li>✓ Relate the concept of reflex arc &amp; encourage students to create an infographic poster on the same using few examples.</li></ul>	<p><a href="https://www1.health.gov.au/internet/publications/publishing.nsf/Content/drugtreat-pubs-front6-wk-toc~drug">https://www1.health.gov.au/internet/publications/publishing.nsf/Content/drugtreat-pubs-front6-wk-toc~drug</a></p> <p><a href="https://study.com/academy/lesson/how-drugs-affect-the-brain-nervous-system.html">https://study.com/academy/lesson/how-drugs-affect-the-brain-nervous-system.html</a></p> <p><a href="https://www.forbes.com/sites/thomaspechia/2019/07/24/alcohol-research-study-results-may-depend-on-which-group-backs-them/">https://www.forbes.com/sites/thomaspechia/2019/07/24/alcohol-research-study-results-may-depend-on-which-group-backs-them/</a></p> <p><a href="https://bmcpublichealth.biomedcentral.com/articles/10.1186/1471-2458-10-789">https://bmcpublichealth.biomedcentral.com/articles/10.1186/1471-2458-10-789</a></p> <p><a href="https://www.youtube.com/watch?v=Fm02i4vEi5Q">https://www.youtube.com/watch?v=Fm02i4vEi5Q</a></p>



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			<a href="https://www.toppr.com/guides/biology/neural-control-and-coordination/reflex-action-and-reflex-arc/">https://www.toppr.com/guides/biology/neural-control-and-coordination/reflex-action-and-reflex-arc/</a>
CHEMISTRY	<p><b>TOPIC:</b></p> <ul style="list-style-type: none"><li>▪ Physical and chemical reactions</li><li>▪ Rate of reaction</li><li>▪ Heat Energetics of a reaction</li></ul> <p><b>LEARNING OBJECTIVES-</b></p> <ul style="list-style-type: none"><li>➢ To identify physical and chemical changes, and understand the differences between them.</li><li>➢ To identify the different factors affecting the rate of a reaction.</li><li>➢ To outline the effects of concentration, particle size temperature and catalysts on the rate of a reaction.</li><li>➢ To understand what catalyst are and give their real life uses.</li><li>➢ To plan and investigate explain the effects of concentration, particle size, temperature and catalysts on the rate of a reaction.</li><li>➢ To outline the meaning of exothermic and endothermic reactions.</li></ul>	<p>Discuss with your child about what do they understand by slow, fast and very fast reaction.</p> <p>✓ How do you measure rate of a chemical reaction?</p> <p>✓ Talk to your child what are the different factors, which would affect rate of a chemical reaction.</p> <p>✓ Discuss with them the difference between physical and chemical reactions with suitable examples.</p> <p>✓ Discuss with your child about what do they understand by the terms exothermic and endothermic reactions. Research on what are the different ways to investigate this type of reaction.</p>	<p><a href="https://www.thoughtco.com/physical-and-chemical-changes-examples-608338">https://www.thoughtco.com/physical-and-chemical-changes-examples-608338</a></p> <p><a href="http://www.chem4kids.com/files/react_rates.html">www.chem4kids.com/files/react_rates.html</a></p> <p><a href="http://www.bbc.co.uk/schools/gcsebitesize/science/add_edexcel/chemical_reactions/ratesrev2.shtml">http://www.bbc.co.uk/schools/gcsebitesize/science/add_edexcel/chemical_reactions/ratesrev2.shtml</a></p> <p><a href="https://www.youtube.com/watch?v=4HS6D0hTzdq">What Are Endothermic &amp; Exothermic Reactions   Chemistry   FuseSchool - YouTube</a></p> <p><a href="https://www.youtube.com/watch?v=4HS6D0hTzdq">https://www.youtube.com/watch?v=4HS6D0hTzdq</a></p>



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	<ul style="list-style-type: none"><li>➤ To interpret energy level diagrams showing exothermic and endothermic reactions.</li></ul>		
PHYSICS	<p>TOPIC: Heat Transfer</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"><li>➤ To describe methods of heat transfer</li><li>➤ To explain methods of reducing heat transfer</li><li>➤ To compare and contrast different modes of heat transfer</li></ul>	<p>Motivate your child to</p> <ul style="list-style-type: none"><li>✓ Research on ways by which energy can be transferred from one object to another.</li><li>✓ Think of ways to retain energy within a system and ways to reduce loss</li><li>✓ Analyze how energy is transmitted from Sun to earth.</li></ul>	<p><a href="http://www.bbc.co.uk/schools/gcsebitesize/science/aqa_pre_2011/energy/heatrev1.shtml">http://www.bbc.co.uk/schools/gcsebitesize/science/aqa_pre_2011/energy/heatrev1.shtml</a></p> <p><a href="http://coolcosmos.ipac.caltech.edu/cosmic_classroom/light_lessons/thermal/transfer.html">http://coolcosmos.ipac.caltech.edu/cosmic_classroom/light_lessons/thermal/transfer.html</a></p> <p><a href="http://www.warmup.com/blog/keeping-the-heat-in-how-to-stop-heat-loss-in-your-home">http://www.warmup.com/blog/keeping-the-heat-in-how-to-stop-heat-loss-in-your-home</a></p>
ARABIC (Arabs)	<p>أغنية حب للكلمات: TOPIC</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"><li>➤ يحلل الطالب النص تحليلًا أدبيًا</li><li>➤ يستخرج الصور الفنية والبلاغية في النص</li><li>➤ يكتب موضوعًا عن أهمية الكتاب</li></ul>	✓ يكتب الطالب موضوعًا عن أهمية الكتاب	<a href="https://ketabonline.com/ar/blog/10">https://ketabonline.com/ar/blog/10</a>



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	<p>TOPIC: الأفعال التي تنصب مفعولين أصلهما مبتدأ وخبر</p> <p>LEARNING OBJECTIVES-</p> <p>➤ يتعرف الأفعال التي تنصب مفعولين أصلهما مبتدأ وخبر ➤ يستخدمها في كتاباته</p>	<p>✓ يكتب فقرات تتضمن الفعال التي تنصب مفعولين أصلهما مبتدأ وخبر</p>	<p><a href="https://www.google.com/search?q=%D8%A7%D9%84%D8%A3%D9%81%D8%B9%D8%A7%D9%84+%D8%A7%D9%84%D8%AA%D9%86%D8%B5%D8%A8+%D9%85%D9%81%D8%B9%D9%88%D9%84%D9%8A%D9%86%D9%85%D8%A7+%D9%85%D8%A8%D8%AA%D8%AF%D8%A3+%D9%88%D8%AE%D8%A8%D8%B1&amp;rlz=1C1GCEU-en-GBAE937AE937&amp;sxsrf=AJOqlzVbu3Xp7rXZkkZGmmWamqRf-lwW8A:1675999579780&amp;source=lnms&amp;tbo=vid&amp;sa=X&amp;ved=2ahUKEwi7q9_8glr9AhXAWqQEHT74C9AQ_AUoAnoECAEQBA&amp;biw=1280&amp;bih=552&amp;dpr=1.5#fpstate=ive&amp;vld=cid:93800f18,vid:kNBB8NquQSw">https://www.google.com/search?q=%D8%A7%D9%84%D8%A3%D9%81%D8%B9%D8%A7%D9%84+%D8%A7%D9%84%D8%AA%D9%86%D8%B5%D8%A8+%D9%85%D9%81%D8%B9%D9%88%D9%84%D9%8A%D9%86%D9%85%D8%A7+%D9%85%D8%A8%D8%AA%D8%AF%D8%A3+%D9%88%D8%AE%D8%A8%D8%B1&amp;rlz=1C1GCEU-en-GBAE937AE937&amp;sxsrf=AJOqlzVbu3Xp7rXZkkZGmmWamqRf-lwW8A:1675999579780&amp;source=lnms&amp;tbo=vid&amp;sa=X&amp;ved=2ahUKEwi7q9_8glr9AhXAWqQEHT74C9AQ_AUoAnoECAEQBA&amp;biw=1280&amp;bih=552&amp;dpr=1.5#fpstate=ive&amp;vld=cid:93800f18,vid:kNBB8NquQSw</a></p>
ARABIC (Non - Arabs)	<p>TOPIC: Healthy lifestyle</p> <p>LEARNING OBJECTIVES-</p> <p>➤ To know the concept of healthy living.</p>	<p>Along with your child</p> <p>✓ Create a mind map of healthy living. ✓ Record a video about maintaining health. ✓ Write an essay on ways to maintain a healthy life. ✓ Write lists of healthy food and unhealthy food.</p>	<p><a href="https://www.youtube.com/watch?v=ZFosm-Ln6MM">https://www.youtube.com/watch?v=ZFosm-Ln6MM</a></p> <p><a href="https://www.youtube.com/watch?v=RVWowHkj-I">https://www.youtube.com/watch?v=RVWowHkj-I</a></p>



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	<ul style="list-style-type: none"><li>➤ To identify healthy and unhealthy habits and suggest solutions to improve unhealthy habits.</li><li>➤ To express an opinion on a diet.</li><li>➤ To conclude the relationship between sport, food and health.</li><li>➤ To design an integrated nutritional program.</li><li>➤ To conclude the relationship between healthy food and disease resistance.</li><li>➤ To suggest ideas for a better healthy life.</li><li>➤ To express ones opinion on fast food and its relationship to human health.</li><li>➤ To submit new proposals for better health.</li><li>➤ To compare healthy and unhealthy food.</li><li>➤ To suggest solutions to maintain health.</li></ul>		<a href="https://www.youtube.com/watch?v=Fa3giR1vnlo">https://www.youtube.com/watch?v=Fa3giR1vnlo</a> <a href="https://www.youtube.com/watch?v=Ay0Fc_5KEQ">https://www.youtube.com/watch?v=Ay0Fc_5KEQ</a> <a href="https://www.youtube.com/watch?v=dcjjNzes-LA">https://www.youtube.com/watch?v=dcjjNzes-LA</a>
ISLAMIC STUDIES (Arabs)	TOPIC: سورة الواقعة - المنهج النبوى في تربية الجيل  LEARNING OBJECTIVES- <ul style="list-style-type: none"><li>➤ يفسر مفردات الآيات</li><li>➤ يوضح أصناف الناس يوم القيمة</li><li>➤ بيّن الدلالات الواردة في الآيات</li></ul>	✓ يبيّن المعنى الإجمالي للآيات ✓ يعد ثلاثة أشياء يكرم الله بها السابقين للجنة يوم القيمة ✓ يستخرج بعض أحكام التلاوة من الآيات ✓ يكشف بعض الأساليب والوسائل النبوية في التربية ✓ يعطي أمثلة من السنة النبوية على التربية الصحيحة	<a href="https://www.youtube.com/watch?v=Zam3OO7cNBw">https://www.youtube.com/watch?v=Zam3OO7cNBw</a> <a href="https://www.youtube.com/watch?v=OAe3B273t1A">https://www.youtube.com/watch?v=OAe3B273t1A</a> <a href="https://www.youtube.com/watch?v=4urE8i2-Ze0">https://www.youtube.com/watch?v=4urE8i2-Ze0</a>



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	<ul style="list-style-type: none"><li>➤ يشرح مفهوم التربية وأهميتها في الإسلام</li><li>➤ يعدد الأسس والمبادئ التي قامت السنة عليها في تربية جيل الصحابة</li></ul>		<a href="https://www.youtube.com/watch?v=bZRj5TlyNTg">https://www.youtube.com/watch?v=bZRj5TlyNTg</a>
ISLAMIC STUDIES (Non- Arabs)	<p>TOPIC: Safety and security in Islam</p> <ul style="list-style-type: none"><li>➤ The Prophet's Methods of educating a generation</li></ul> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"><li>➤ Students will be able to explain the concept of education and its important status in Islam.</li><li>➤ Explain the foundations and principles of prophet's education of his companions.</li><li>➤ Define the concept of security in Islam.</li><li>➤ Evaluate the importance of security in lives of individuals and community.</li><li>➤ Evaluate the importance of security in our lives and our responsibility towards it.</li></ul>	<p>Motivate your child to</p> <ul style="list-style-type: none"><li>✓ Write an essay about the mercy of prophet PBUH in teaching his companions.</li><li>✓ Write about safety and security in UAE and what are our responsibilities towards it</li></ul>	<a href="https://www.youtube.com/watch?v=MvLrSsjoBaw">https://www.youtube.com/watch?v=MvLrSsjoBaw</a> <a href="https://www.youtube.com/watch?v=tBExaf70Lc">https://www.youtube.com/watch?v=tBExaf70Lc</a>



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PSHCEE	TOPIC: Making Choices  LEARNING OBJECTIVES- ➤ To be able to discover, discuss and apply ideas to make good decisions and reflect on their abilities and areas for improvements.	✓ Encourage your child to learn more about themselves, the skills they need in life and work, and how best to develop and demonstrate these as they identify and apply for jobs that are a good fit for their personality, interests and skills	<a href="https://www.corporatewellnessmagazine.com/article/5-steps-to-good-decision-making">https://www.corporatewellnessmagazine.com/article/5-steps-to-good-decision-making</a>
HISTORY	TOPIC: Paris Peace Conference- Treaty of Versailles  LEARNING OBJECTIVES- ➤ To examine the terms of Treaty of Versailles. ➤ To examine the objectives of Big 3 behind the decisions and terms behind the Treaty of Versailles.	Discuss with your child on the following topic:  ✓ Treaty of Versailles was justified treatment for Germany	<a href="http://www.historyextra.com">http://www.historyextra.com</a> <a href="https://schoolhistory.co.uk/resources/year/ks3">https://schoolhistory.co.uk/resources/year/ks3</a> <a href="https://www.youtube.com/watch?v=Hgp6ZH-by-E">https://www.youtube.com/watch?v=Hgp6ZH-by-E</a>
GEOGRAPHY	TOPIC: Classification of Rocks  LEARNING OBJECTIVES- ➤ To examine the composition of different rocks	Motivate your child to research and answer the question:  ✓ Can all rocks have fossils? Why/why not?	<a href="https://www.britannica.com/video/143173/materials-cycle-forms-sedimentary-rock-Sediments-magma">https://www.britannica.com/video/143173/materials-cycle-forms-sedimentary-rock-Sediments-magma</a> <a href="https://www.youtube.com/watch?v=Cn8Rdujnqws">https://www.youtube.com/watch?v=Cn8Rdujnqws</a> <a href="https://www.youtube.com/watch?v=faXNHcyXXk">https://www.youtube.com/watch?v=faXNHcyXXk</a>



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			<a href="https://www.youtube.com/watch?v=hmgR4PiGp1E">https://www.youtube.com/watch?v=hmgR4PiGp1E</a>
UAE SOCIAL STUDIES	<p>TOPIC: Indigenous peoples of South America</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"><li>➤ To assess how the culture of South America and has been impacted through migration, colonisation, and modernisation.</li></ul>	<p>Help your child answer the following question:</p> <ul style="list-style-type: none"><li>✓ Which indigenous civilisation do you think had the most lasting influence into the present? Explain your answer</li><li>✓ Create a timeline of each, Olmec, Aztec, Incan and Mayan civilizations and examine their similarities and differences.</li></ul>	<a href="#">Yr 9 UAE SST MOE Text Book</a>
FRENCH	<p>TOPIC: Shopping:</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"><li>➤ To make a role play in a store, facing different daily life situations and problems to solve.</li></ul>	<ul style="list-style-type: none"><li>✓ Listening comprehension: <a href="http://www.youtube.com/watch?v=M5_zhal9tbA&amp;feature=youtu.be">http://www.youtube.com/watch?v=M5_zhal9tbA&amp;feature=youtu.be</a></li><li>✓ Reading comprehension: <a href="http://www.podcastfrancaisfacile.com/podcast/2013/05/au-marche-faire-ses-courses-dialogue-fle-francais-apprendre-learn.html">http://www.podcastfrancaisfacile.com/podcast/2013/05/au-marche-faire-ses-courses-dialogue-fle-francais-apprendre-learn.html</a></li><li>✓ You are asked to write a dialogue between you and a seller in the supermarket while you were shopping, don't forget to use the conditional mode.</li><li>✓ Challenge: make up a role play following the instruction:</li></ul>	<a href="http://www.tv5monde.org">www.tv5monde.org</a> <a href="http://www.language-gym.com">www.language-gym.com</a> <a href="http://www.youtube.com">www.youtube.com</a> <a href="http://www.francaisfacile.com">www.francaisfacile.com</a> <a href="http://www.linguascope.com">www.linguascope.com</a> <a href="http://www.lepointdufle.net">www.lepointdufle.net</a> <a href="http://www.french-games.net">www.french-games.net</a>



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		<ul style="list-style-type: none"><li>✓ Vous avez acheté un pantalon mais il y a un problème. Vous voulez échanger le pantalon. Vous retournez au magasin.</li></ul>	<p><a href="http://www.atantot-extra.co.uk">www.atantot-extra.co.uk</a> vocabulary games</p> <p><a href="http://www.languagesonline.org.uk">www.languagesonline.org.uk</a> good for vocabulary and grammar.</p>
ICT	<p>TOPIC: JavaScript</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"><li>➤ To use console.log in a JavaScript code</li><li>➤ To use comparison operators ('&lt;', '&gt;', '==', '!=') in a JavaScript code</li><li>➤ To use string in JavaScript code</li></ul>	<p>Encourage your child –</p> <ul style="list-style-type: none"><li>✓ To use string manipulation operators such as concatenate, substr, len(),</li><li>✓ Practice using variables in if / else statements</li><li>✓ To debug errors in a JavaScript program</li></ul>	<p><a href="#">Exercise 12 - 20 from codcademy</a></p> <p><a href="https://www.w3schools.com/js/js_strings.asp">https://www.w3schools.com/js/js_strings.asp</a></p>
STEAM	<p>TOPIC: Animations in Micro: bit</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"><li>➤ To create a dance sequence using decomposition.</li><li>➤ To create a flipbook animation of a dance sequence.</li></ul>	<p>Encourage your child –</p> <ul style="list-style-type: none"><li>✓ Explore about the types of animations and its applications and how to implement the animations in Micro: bit.</li><li>✓ Design a simple dance sequence that meets the following criteria using Micro: bit:</li><li>● Has four movements ● Includes a jump ● Starts and ends with the same position</li></ul>	<p><a href="https://microbit.org/lessons/volcano-animations-unit-of-work/">https://microbit.org/lessons/volcano-animations-unit-of-work/</a></p>



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Moral Education	<p>TOPIC: Understanding the Growth of Government in the UAE</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"><li>➤ To understand the state and government of the UAE.</li><li>➤ To describe the key characteristics of good government.</li></ul>	<p>Encourage your child to learn more about the laws of the UAE.</p>	<p><a href="http://gulfnews.com/news/uae/society/six-leaders-and-how-they-helped-shape-uae-1.1937162">http://gulfnews.com/news/uae/society/six-leaders-and-how-they-helped-shape-uae-1.1937162</a></p>
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