



# The Winchester School

## Year 9 - Family Learning Newsletter – June 2021

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	<p><b><u>TOPIC – Language Analysis</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>To enhance reading and inferential skills.</li></ul>	<p>Encourage your child</p> <ul style="list-style-type: none"><li>✓ To read through any narrative text or short story.</li><li>✓ Choose a descriptive paragraph to identify language features.</li><li>✓ Motivate your child to identify and state how these language features affect them as a reader.</li><li>✓ Pick up any text a short story essay or poem and pick out the words that suggest multiple connotations, associations and layers of meaning to a word or phrase.</li><li>✓ Watch any memorable or emotionally charged scene from any animation or movie as per your child's preference.</li><li>✓ Focus on the above-mentioned scene and in a paragraph jot down the dominant feeling that arises in the audience's heart as they watch the scene. Encourage your child to examine how and why the stated feeling has been evoked in the viewer.</li></ul>	<ul style="list-style-type: none"><li>• <a href="https://www.americanliterature.com">Short Stories and Classic Literature (americanliterature.com)</a></li></ul>



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<p>MATHS</p> <p>EXTENDED</p>	<p><b><u>TOPIC – Quadratic Factorisation</u></b></p> <p><b><u>LEARNING OBJECTIVE –</u></b></p> <ul style="list-style-type: none"><li>• To Factorise two terms.</li><li>• To Apply the formula of difference of two squares</li><li>• To Factorise three terms: Quadratic expressions</li><li>• To frame quadratic equations from the word problems and evaluate the value of the variable.</li></ul>	<p><b>Encourage your child to-</b></p> <ul style="list-style-type: none"><li>✓ List examples of quadratic equations that are applicable to real life example-ex basketball.</li><li>✓ Create a quadratic graph for data collection.</li><li>✓ Frame the mathematical statements for word</li><li>✓ problems and factorise it to find the value of variable.</li><li>✓ Factuples: Spot the factors and the multiples amongst the numbers in the grid. How many numbers below are factors of other numbers in the table?</li><li>✓ 5434620401826163832943 Find out how many numbers above are multiples of other numbers in the table?</li></ul>	<ul style="list-style-type: none"><li>• <a href="https://www.onlinemathlearning.com/solving-quadratic-equations.html">https://www.onlinemathlearning.com/solving-quadratic-equations.html</a></li><li>• <a href="https://www.youtube.com/watch?v=WmMfpVR6xd4">https://www.youtube.com/watch?v=WmMfpVR6xd4</a></li><li>• <a href="https://www.mathsisfun.com/algebra/quadratic-equation-real-world.html">https://www.mathsisfun.com/algebra/quadratic-equation-real-world.html</a></li></ul>
<p>BIOLOGY</p>	<p><b><u>TOPIC – Ecology</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• Discuss the advantages of using a pyramid of biomass rather than a pyramid of numbers to represent a food chain.</li></ul>	<ul style="list-style-type: none"><li>✓ Debate on the topic: Pyramid of biomass is more advantageous than pyramid of numbers to represent a food chain.</li><li>✓ Encourage your child to research and develop a logistic model of a food chain and food web of different habitats.</li></ul>	<ul style="list-style-type: none"><li>• <a href="https://biology-igcse.weebly.com/ecosystem.html">https://biology-igcse.weebly.com/ecosystem.html</a></li><li>• <a href="https://www.bbc.com/bitesize/topics/zxfd3k7">https://www.bbc.com/bitesize/topics/zxfd3k7</a></li></ul>



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	<ul style="list-style-type: none"><li>● Interpret food chains and food webs in terms of identifying producers and consumers.</li><li>● Illustrate why the transfer of energy from one trophic level to another is inefficient.</li><li>● Explain that chromosomes are made of genes containing DNA, and describe the structure of DNA.</li><li>● To Explore the History of classification.</li></ul>	<ul style="list-style-type: none"><li>✓ Ask your child to create a presentation on transfer of energy from one trophic level to another.</li><li>✓ Motivate your child to think about the different ways of conserving the natural resources.</li><li>✓ Create a poster board display / a model that shows the structure and function of DNA.</li><li>✓ Encourage the students to watch the documentaries on biological classification &amp; evolution and make a report on the same.</li></ul>	<ul style="list-style-type: none"><li>● <a href="https://youtu.be/lnAKICtJIA4">https://youtu.be/lnAKICtJIA4</a></li><li>● <a href="https://www.nationalgeographic.org/encyclopedia/conservation/">https://www.nationalgeographic.org/encyclopedia/conservation/</a></li><li>● <a href="https://pmgbiology.com/2014/10/21/dna-structure-and-function-igcse-a-understanding/">https://pmgbiology.com/2014/10/21/dna-structure-and-function-igcse-a-understanding/</a></li><li>● <a href="https://www.youtube.com/watch?v=F7tVnQ4tVKk">https://www.youtube.com/watch?v=F7tVnQ4tVKk</a></li></ul>
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PHYSICS	<p><b><u>TOPIC- Reflection of Light</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>● To draw accurate ray diagrams showing how an image is formed by a plane mirror.</li></ul> <p><b><u>TOPIC- Refraction</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>● To describe the passage of light through rectangular slab.</li></ul> <p><b><u>TOPIC- Lenses</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>● To know the image formation in a convex lens.</li></ul>	<ul style="list-style-type: none"><li>✓ Encourage to draw the reflection of light and image formed in a plane mirror.</li><li>✓ Research why the path of light changes.</li><li>✓ Explore the skill of drawing ray diagrams for image formation with convex and concave lenses.</li><li>✓ Encourage the child to understand the importance of an eye and how important it is to us.</li><li>✓ Create a list of questions based on Bloom's taxonomy to check understanding of the topic of forces with your peers.</li><li>✓ Encourage your child to find out what happens when a rainbow is formed and if there is any similarity with the colours seen in a soap bubble.</li><li>✓ Discuss with the child if the shape of the medium has a role to play.</li></ul>	<ul style="list-style-type: none"><li>● <a href="https://www.youtube.com/watch?v=T5oxC9I_u50">https://www.youtube.com/watch?v=T5oxC9I_u50</a></li><li>● <a href="http://www.bbc.co.uk/bitesize/higher/physics/radiation/refraction/revision/1/">http://www.bbc.co.uk/bitesize/higher/physics/radiation/refraction/revision/1/</a></li><li>● <a href="http://www.physicsclassroom.com/class/refrn/Lesson-5/Converging-Lenses-Ray-Diagrams">http://www.physicsclassroom.com/class/refrn/Lesson-5/Converging-Lenses-Ray-Diagrams</a></li><li>● <a href="http://www.physicsclassroom.com/class/refrn/Lesson-1/The-Cause-of-Refraction">http://www.physicsclassroom.com/class/refrn/Lesson-1/The-Cause-of-Refraction</a></li><li>● <a href="http://www.chm.bris.ac.uk/webprojects2002/upton/defects_of_the_eye.htm">http://www.chm.bris.ac.uk/webprojects2002/upton/defects_of_the_eye.htm</a></li><li>● <a href="https://sciencing.com/lightdispersion-experiments-kids-12011389.html">https://sciencing.com/lightdispersion-experiments-kids-12011389.html</a></li><li>● <a href="http://www.physicsclassroom.com/class/refrn/Lesson-1/The-Cause-of-Refraction">http://www.physicsclassroom.com/class/refrn/Lesson-1/The-Cause-of-Refraction</a></li></ul>
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CHEMISTRY	<p><b><u>TOPIC - Ceramics, Polymers and Composites</u></b></p> <p><b><u>LEARNING OBJECTIVES</u></b></p> <ul style="list-style-type: none"><li>● To have a knowledge and understanding of examples, uses and structure of the types of materials – polymers, ceramics or composites.</li></ul>	<p><b>Activity:</b></p> <ul style="list-style-type: none"><li>✓ Motivate your child to explore the below link and make a summary of your understanding about ceramics and composition.</li><li>✓ <a href="https://www.youtube.com/watch?v=q7VAq8t2gj0">https://www.youtube.com/watch?v=q7VAq8t2gj0</a></li><li>✓ Encourage your child to talk about Ceramics and Polymers, what are they and what are their composition. List their real life uses.</li><li>✓ Discuss with them the different types of polymers, how are they made and their uses based on their composition.</li><li>✓ Encourage your child to identify the difference between synthetic and natural polymers.</li></ul>	<ul style="list-style-type: none"><li>● <a href="https://www.youtube.com/watch?v=q7VAq8t2gj0">https://www.youtube.com/watch?v=q7VAq8t2gj0</a></li><li>● <a href="https://www.bbc.com/bitesize/guides/ztxnsbk/revision/1">https://www.bbc.com/bitesize/guides/ztxnsbk/revision/1</a></li><li>● <a href="https://www.bbc.com/bitesize/guides/zyfgmnb/revision/1">https://www.bbc.com/bitesize/guides/zyfgmnb/revision/1</a></li></ul>
ARABIC (Arabs)	<p><b><u>الأخلاق- TOPIC-</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b> أن يحلل الطالب النص تحليلًا أدبيًا</p>	يكتب الطالب نصًا إقناعيًا عن الأخلاق	<ul style="list-style-type: none"><li>● <a href="https://mawdoo3.com/%D9%85%D9%81%D9%87%D9%88%D9%85_%D8%A7%D9%84%D8%A3%D8%AE%D9%84%D8%A7%D9%82">https://mawdoo3.com/%D9%85%D9%81%D9%87%D9%88%D9%85_%D8%A7%D9%84%D8%A3%D8%AE%D9%84%D8%A7%D9%82</a></li></ul>



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	<p>أن يوازن بين نصين شعريين أن يكتب نصًا إقناعيًا عن الأخلاق</p> <p><b>TOPIC- قصيدة المساء</b></p> <p><b>LEARNING OBJECTIVES-</b> أن يحلل الطالب النص الشعري تحليلًا أدبيًا أن يوازن بينه وبين نص آخر من حيث الأسلوب والبلاغة ولغة النص أن يبحث في خصائص المدرسة الرومانسية في الشعر</p>	<p>يكتب بحثًا عن خصائص المدرسة الرومانسية في الشعر</p>	<p><a href="https://mawdoo3.com/%D8%A7%D9%84%D8%A7%D9%85%D9%8A%D8%AF%D8%A9">https://mawdoo3.com/%D8%A7%D9%84%D8%A7%D9%85%D9%8A%D8%AF%D8%A9</a></p> <ul style="list-style-type: none"><li><a href="https://mawdoo3.com/%D8%AE%D8%B5%D8%A7%D8%A6%D8%B5%D8%A7%D9%84%D8%B4%D8%B9%D8%B1%D8%A7%D9%84%D8%B1%D9%88%D9%85%D8%A7%D9%86%D8%B3%D9%8A">https://mawdoo3.com/%D8%AE%D8%B5%D8%A7%D8%A6%D8%B5%D8%A7%D9%84%D8%B4%D8%B9%D8%B1%D8%A7%D9%84%D8%B1%D9%88%D9%85%D8%A7%D9%86%D8%B3%D9%8A</a></li></ul>
<p>ISLAMIC STUDIES (Arabs)</p>	<p><b>TOPIC – لا ضرر ولا ضرار -الحكم الشرعي-الإمام أحمد – بن حنبل</b></p> <p><b>LEARNING OBJECTIVES-</b> أن يستنتج الهدايات الواردة في الحديث أن يناقش أثر تطبيق الحديث في المجتمع -* أن يناقش مفهوم الحكم الشرعي أن يستنتج مزايا الأحكام الشرعية في الإسلام</p>	<p>صمم خريطة ذهنية وضح فيها آثار الضرر على الفرد والمجتمع داعما اجابتك بالاستدلال</p> <p>اقترح حلا: إدمان الألعاب الإلكترونية والإنترنت</p> <p>ابحث عن مواقف من سيرة الرسول تدل على عدم إلحاق الضرر بالنفس والغير</p> <p>اكتب بحثا عن مزايا الالتزام بالحكم الشرعي</p> <p>اكتب بحثا عن الإمام أحمد بن حنبل</p>	<ul style="list-style-type: none"><li><a href="https://www.youtube.com/watch?v=hGLy0d6g38">https://www.youtube.com/watch?v=hGLy0d6g38</a></li><li><a href="https://www.youtube.com/watch?v=oXKpCwhd694">https://www.youtube.com/watch?v=oXKpCwhd694</a></li></ul>



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يحرص على حفظ  
سورة الواقعة

ARABIC  
(Non- Arabs)

### **TOPIC – Societal values and role model leaders**

#### **LEARNING OBJECTIVES-**

- To describe the societal values in the Emirates.
- To compare societal values in the UAE and his country.
- To explain the impact of the culture of dialogue on individuals and society.
- To clarify the importance and benefit of volunteer work.
- To explain the qualities of the role model leader.
- To create an article on societal values in the Emirates.
- To describe some of the famous people of the Emirates In various literary forms.
- To create a story about the role model leader.
- To express his opinion in the different cultures of the countries.
- To introduce solutions to counter intolerance of opinion.

- ✓ Encourage your child to -
- ✓ Design a mind map on societal values in the Emirates.
- ✓ Create a video about the values and culture of the Emirates.
- ✓ Encourage your child to Write a letter for a friend to explain the community values in the UAE.
- ✓ Engage in a dialogue with a famous person about community values.
- ✓ Participate in a mental scheme with famous personalities in the Emirates.
- ✓ Design a board about the most important Emirati leaders.
- ✓ Make comparisons between Emirati societal values and his country.
- ✓ Write a tweet about the most important Emirati leaders.

- [https://www.youtube.com/watch?v=HYpdpjxj\\_PH0](https://www.youtube.com/watch?v=HYpdpjxj_PH0)
- [https://www.youtube.com/watch?v=s\\_ndqOBMm1k](https://www.youtube.com/watch?v=s_ndqOBMm1k)
- <https://www.youtube.com/watch?v=8Ea7auiRUwA>
- [https://www.youtube.com/watch?v=7oGeXOVh\\_Ww](https://www.youtube.com/watch?v=7oGeXOVh_Ww)
- <https://www.youtube.com/watch?v=ICB8MDMmVIE>
- <https://www.youtube.com/watch?v=sVygCvJpfqk>



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<p>ISLAMIC STUDIES (Non- Arabs)</p>	<p><b><u>TOPIC – Social Laws in the Holy Quran</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"> <li>• To define the concept of social Laws.</li> <li>• To explain the effect of Divine social Laws on societies.</li> <li>• To explain some Divine Laws mentioned in The Holy Quran.</li> </ul> <p><b><u>TOPIC – Intellectual Tolerance</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"> <li>• To explain the effects of intellectual tolerance on the individuals and on society.</li> <li>• To find the examples of Muslim’s tolerance of non-Muslims over the centuries.</li> <li>• To embrace and call for tolerance</li> </ul>	<p>Encourage your child –</p> <ul style="list-style-type: none"> <li>✓ To create a mind map on the social laws which help the society to be cohesive and on the ways by which the society could promote this value in Islam.</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="https://www.youtube.com/watch?v=Dcs0UuyDK2Q">https://www.youtube.com/watch?v=Dcs0UuyDK2Q</a></li> <li>• <a href="https://www.youtube.com/watch?v=iB-ICs8kUzU">https://www.youtube.com/watch?v=iB-ICs8kUzU</a></li> </ul>
<p>PSHCEE</p>	<p><b><u>TOPIC – HOMELESSNESS</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"> <li>✓ To define homelessness.</li> <li>✓ To understand why some people are homeless.</li> <li>✓ To describe how a homeless person, look like.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Talk to your child about the possible reasons why some people are homeless.</li> <li>✓ Encourage your child to share their idea on how to stop homelessness.</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="https://www.youtube.com/watch?v=essjVcdPuFk">https://www.youtube.com/watch?v=essjVcdPuFk</a></li> </ul>





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MORAL EDUCATION	<p><b><u>TOPIC – Managing Conflicts</u></b>  <b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"> <li>To understand the importance of conflict resolution strategies and diplomacy, including being open and tolerant.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Encourage your child to be more respectful and tolerant to avoid more conflicts.</li> <li>✓ Discuss with your child the importance of managing conflicts.</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="https://www.youtube.com/watch?v=v4sby5j4dTY">https://www.youtube.com/watch?v=v4sby5j4dTY</a></li> </ul>
HISTORY	<p><b><u>TOPIC – The Cold War</u></b>  <b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"> <li>To analyse the political and military tension after the WW II.</li> </ul>	<p><b>Discuss the given statement with your child:</b></p> <ul style="list-style-type: none"> <li>✓ The Cold War was a state of political and military tension after World War II between powers in the Western Bloc (the United States, its NATO allies and others) and powers in the Eastern Bloc (the Soviet Union and its allies in the Warsaw Pact).</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="https://www.slideshare.net/georgedumitrache399/history-year-9-the-cold-war">https://www.slideshare.net/georgedumitrache399/history-year-9-the-cold-war</a></li> </ul>
UAE SOCIAL STUDIES	<p><b><u>TOPIC –The Later Ottoman Empire through WWI</u></b>  <b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"> <li>To examine the impact of WWI on the Middle East.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Motivate your child to have a discussion on Nahda or renaissance of the 19th and the early 20th Century in the Arab world.</li> </ul>	<ul style="list-style-type: none"> <li>• UAE SST MOE Text book</li> </ul>
GEOGRAPHY	<p><b><u>TOPIC – Biomes- Russia</u></b>  <b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"> <li>To examine how the Biome affects the occupations of the people of Russia.</li> </ul>	<p><b>Discuss with your child:</b></p> <ul style="list-style-type: none"> <li>✓ How does Russia’s location and landforms affect its population and its uses of resources?</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="https://www.slideshare.net/sqiaico01/russia-physical-geography-56711266">https://www.slideshare.net/sqiaico01/russia-physical-geography-56711266</a></li> </ul>



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FRENCH	<p><b>TOPIC -Pour faire la réservation d'un vol / d'un taxi</b></p> <p><b>LEARNING OBJECTIVES-</b></p> <ul style="list-style-type: none"><li>● To give and to seek information while travelling.</li><li>● To give an account of an air travel.</li><li>● To develop role plays concerning using different means of transport while travelling as a tourist.</li><li>● To develop listening and reading comprehension skills.</li></ul>	<p>Motivate your child to Read and listen and answer the given activity:</p> <ul style="list-style-type: none"><li>✓ <a href="http://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-8086.php">http://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-8086.php</a></li><li>✓ <a href="https://www.podcastfrancaisfacile.com/podcast/prendre-le-taxi.html">https://www.podcastfrancaisfacile.com/podcast/prendre-le-taxi.html</a></li></ul> <p>Grammar practice:</p> <ul style="list-style-type: none"><li>✓ <a href="http://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-17134.php">http://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-17134.php</a></li><li>✓ <a href="https://www.anglaisfacile.com/exercices/exercice-francais-2/exercice-francxccaais-37534.php">https://www.anglaisfacile.com/exercices/exercice-francais-2/exercice-francxccaais-37534.php</a></li></ul>	<ul style="list-style-type: none"><li>● <a href="http://www.tv5monde.org">www.tv5monde.org</a></li><li>● <a href="http://www.language-gym.com">www.language-gym.com</a></li><li>● <a href="http://www.youtube.com">www.youtube.com</a></li><li>● <a href="http://www.french-games.net">www.french-games.net</a></li><li>● <a href="http://www.francais.lingolia.com.fr">www.francais.lingolia.com.fr</a></li><li>● <a href="http://www.francaisfacile.com">www.francaisfacile.com</a></li></ul>
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ICT	<p><b><u>TOPIC –Database Manipulation</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>● To explore different data types of databases.</li><li>● To create a query by assigning suitable search criteria and edit it</li></ul>	<ul style="list-style-type: none"><li>✓ Encourage your child to be able to set the appropriate data type for the field names in the imported file.</li><li>✓ Motivate your child to research and to be able to use advanced search using multiple criteria.</li><li>✓ Parents can help to research, analyse and explore and Create database for the company that manufactures car and retrieve the list of all cars made by Toyota.</li></ul>	<ul style="list-style-type: none"><li>● <a href="https://www.simplilearn.com/data-manipulation-in-sql-tutorial">https://www.simplilearn.com/data-manipulation-in-sql-tutorial</a></li><li>● <a href="https://www.iigsawacademy.com/blogs/data-science/data-manipulation/">https://www.iigsawacademy.com/blogs/data-science/data-manipulation/</a></li></ul>
STEAM	<p><b><u>TOPIC -3D PRINTING USING TINKERCAD</u></b></p> <p><b><u>LEARNING OBJECTIVE:</u></b></p> <ul style="list-style-type: none"><li>● Explore about 3D Printing and their purpose in everyday life.</li><li>● Design 3D Model for different projects using the tinker cad application.</li></ul>	<ul style="list-style-type: none"><li>✓ Encourage your child to explore the purpose and the importance of 3D Modelling and 3D Printing.</li><li>✓ Motivate your child to research and create a report on different applications and real-life applications of 3D Printing using Tinker cad Application.</li><li>✓ Parents can help to research, analyse and explore the various platforms available for 3D Printing in the UAE .</li></ul>	<ul style="list-style-type: none"><li>● <a href="https://www.tinkercad.com/s">https://www.tinkercad.com/s</a></li><li>● <a href="https://i.materialise.com/blog/en/tinkercad-3d-printing-tutorial/">https://i.materialise.com/blog/en/tinkercad-3d-printing-tutorial/</a></li></ul>