



# The Winchester School

## Year 9- Family Learning Newsletter –December- 2022

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	<p>TOPIC: Symbolism and Imagery</p> <p>LEARNING OBJECTIVES:</p> <ul style="list-style-type: none"> <li>➤ To analyse symbolism, imagery and other figurative devices.</li> </ul>	<p>Motivate your child to complete the below task</p> <ul style="list-style-type: none"> <li>✓ In light of this learning, as a family, you could create a family portrait on a chart. However, each member of the family will be represented by an animal of their choice. Each member will then provide justification and reason for their choice. Help your child do a write up on the explanations.</li> </ul>	<p><a href="https://www.wordpress.com">Symbolism And Imagery In Poetry #NationalPoetryMonth – Emotional Shadows (wordpress.com)</a></p> <p><a href="https://www.study.com">Symbolism &amp; Imagery in Literature: Definitions &amp; Examples - Video &amp; Lesson Transcript   Study.com</a></p>
MATHS	<p>TOPIC: Simultaneous Equations</p> <p>LEARNING OBJECTIVES</p> <ul style="list-style-type: none"> <li>➤ Apply algebraic skills to solve the equations to find two unknown values.</li> </ul> <p>TOPIC: Indices</p> <p>LEARNING OBJECTIVES</p> <ul style="list-style-type: none"> <li>➤ Apply the rules of indices to simplify algebraic expressions.</li> </ul>	<p>Encourage your child</p> <ul style="list-style-type: none"> <li>✓ To frame and solve simultaneous equations.</li> <li>✓ create word problems with two variables and solve the equations</li> <li>✓ Make a formula booklet / notes on laws of indices with variety of examples</li> </ul>	<p><a href="https://corbettmaths.com/2019/09/05/simultaneous-equations-practice-questions/">https://corbettmaths.com/2019/09/05/simultaneous-equations-practice-questions/</a></p> <p>For more practice and understanding use the link below on solving simultaneous equations</p> <p><a href="https://www.youtube.com/watch?v=4Woh1BWSaOk">https://www.youtube.com/watch?v=4Woh1BWSaOk</a></p>



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	<ul style="list-style-type: none"> <li>➤ Analyse the reciprocal of a number or term and write it as a negative or fractional exponent.</li> </ul>		<p><a href="https://www.matrix.edu.au/beginners-guide-year-9-maths/part-3-indices/">https://www.matrix.edu.au/beginners-guide-year-9-maths/part-3-indices/</a></p> <p><a href="https://www.transum.org/software/SW/Starter_of_the_day/Students/Indices.asp?Level=5">https://www.transum.org/software/SW/Starter_of_the_day/Students/Indices.asp?Level=5</a></p>
<p>BIOLOGY</p>	<p>TOPIC: Based on gap analysis Variation</p> <p>Selective Breeding</p> <p>Theories of Evolution</p> <p>Cloning</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> <li>➤ Students will interpret how variation causes competition for resources, and drives natural selection.</li> <li>➤ Students will explain theories of Lamarck, Wallace and Darwin.</li> <li>➤ Write the applications of selective breeding and its importance</li> <li>➤ Students will explain cloning and explore its ethical issues</li> </ul>	<p>Encourage your child to</p> <ul style="list-style-type: none"> <li>✓ Create an article or play about the different types of variations that occur.</li> <li>✓ Share the story of evolution and discuss the importance of evolution.</li> <li>✓ Application of selective breeding</li> <li>✓ Create a fact sheet on theories of evolution</li> <li>✓ Draw the <a href="#">geologic time scale</a> and discuss the course of evolution</li> </ul>	<p><a href="https://www.bbc.com/bitesize/guides/z36mmp3/revision/1">https://www.bbc.com/bitesize/guides/z36mmp3/revision/1</a></p> <p><a href="https://www.bbc.co.uk/bitesize/guides/z9qk87h/revision/3">https://www.bbc.co.uk/bitesize/guides/z9qk87h/revision/3</a></p> <p><a href="https://en.wikipedia.org/wiki/Selective_breeding">https://en.wikipedia.org/wiki/Selective_breeding</a></p> <p><a href="https://biology4isc.weebly.com/3-theories-of-evolution.html">https://biology4isc.weebly.com/3-theories-of-evolution.html</a></p> <p><a href="https://www.youtube.com/watch?v=FjBgLIE7514">https://www.youtube.com/watch?v=FjBgLIE7514</a></p>



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<p>CHEMISTRY</p>	<p>TOPIC: Electron configuration</p> <p>Formation of Ions</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"><li>➤ To understand the concept underlying the arrangement of elements in the periodic table and explain the trends.</li><li>➤ To draw the arrangement of electrons around an atom and able to write the electronic configuration until 20 elements.</li><li>➤ Outline how ionic bonds are formed by the transfer of electrons to produce cations and anions.</li></ul>	<p>Encourage your child to</p> <ul style="list-style-type: none"><li>✓ Read the context and summarise about Nuclear power plant plans in UAE using the below link.</li><li>✓ <a href="https://en.wikipedia.org/wiki/Nuclear_power_in_the_United_Arab_Emirates">https://en.wikipedia.org/wiki/Nuclear_power_in_the_United_Arab_Emirates</a></li><li>✓ About the different scientist involved in developing the periodic table and name some of the elements named after the famous scientist.</li><li>✓ Discuss about the major cations and anions in our body. What does anion do to our body? How are cations helpful?</li></ul>	<p><a href="https://en.wikipedia.org/wiki/Nuclear_power_in_the_United_Arab_Emirates">https://en.wikipedia.org/wiki/Nuclear_power_in_the_United_Arab_Emirates</a></p> <p><a href="http://www.bbc.com/news/science-environment-35220823">www.bbc.com/news/science-environment-35220823</a></p> <p><a href="https://www.bbc.co.uk/bitesize/guides/z37t4j6/revision/1">https://www.bbc.co.uk/bitesize/guides/z37t4j6/revision/1</a></p> <p><a href="https://www.bbc.co.uk/bitesize/guides/zg923k7/revision/3">https://www.bbc.co.uk/bitesize/guides/zg923k7/revision/3</a></p>
<p>PHYSICS</p>	<p>TOPIC: Revision on Reflection on</p> <p>Mirror</p> <p>Ray Diagrams</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"><li>➤ Use the ideas about angles of reflection and angles of incidence to explain how we see images in a plane mirror.</li></ul>	<p>Motivate your child to</p> <ul style="list-style-type: none"><li>✓ Analyse the image formation in a mirror by simulation <a href="https://www.physicsclassroom.com/Physics-Interactives/Refraction-and-Lenses/Optics-Bench/Optics-Bench-Refraction-Interactive">https://www.physicsclassroom.com/Physics-Interactives/Refraction-and-Lenses/Optics-Bench/Optics-Bench-Refraction-Interactive</a></li><li>✓ Use simulation describes the formation of images in a convex lens <a href="https://www.physicsclassroom.com/Physics-">https://www.physicsclassroom.com/Physics-</a></li></ul>	<p><a href="https://www.bbc.co.uk/bitesize/guides/zw42ng8/revision/1">https://www.bbc.co.uk/bitesize/guides/zw42ng8/revision/1</a></p> <p><a href="http://hyperphysics.phy-astr.gsu.edu/hbase/geoopt/refr.htm#lnd-reflection">http://hyperphysics.phy-astr.gsu.edu/hbase/geoopt/refr.htm#lnd-reflection</a></p> <p><a href="https://www.educationquizzes.com/gcse/physics/waves-reflection-01/">https://www.educationquizzes.com/gcse/physics/waves-reflection-01/</a></p>



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	<p>➤ To know the image formation in convex lens.</p>	<p><a href="https://www.passmyexams.co.uk/GCSE/physics/reflection-and-refraction.html">Interactives/Refraction-and-Lenses/Optics-Bench/Optics-Bench-Refraction-Interactive</a> <a href="https://ophysics.com/l7.html">https://ophysics.com/l7.html</a></p>	<p><a href="http://www.passmyexams.co.uk/GCSE/physics/reflection-and-refraction.html">http://www.passmyexams.co.uk/GCSE/physics/reflection-and-refraction.html</a></p>
ARABIC (Arabs)	<p>التشبيه البليغ LEARNING OBJECTIVES-</p> <p>➤ يتعرف الطالب التشبيه البليغ ويستخدمه في كتاباته</p>	<p>✓ يكتب الطالب موضوعًا وصفيًا عن الربيع مستخدمًا التشبيه البليغ</p>	<p><a href="https://www.youtube.com/watch?v=E-T9tRYZ_X0">https://www.youtube.com/watch?v=E-T9tRYZ_X0</a></p>
ARABIC (Non - Arabs)	<p>Weather LEARNING OBJECTIVES-</p> <p>➤ To describe the weather in the seasons ➤ To compare the weather in the Emirates and in other countries.</p>	<p>Encourage your child to</p> <p>✓ Write a letter about the weather. ✓ Create a mind map of the seasons. ✓ Formulate a dialogue with your friend about the weather in the different seasons of the year. ✓ Create a video for a weather forecast.</p>	<p><a href="https://www.youtube.com/watch?v=ACYx4roqXl4">https://www.youtube.com/watch?v=ACYx4roqXl4</a> <a href="https://www.youtube.com/watch?v=UVO3KqkKkYw">https://www.youtube.com/watch?v=UVO3KqkKkYw</a> <a href="https://www.youtube.com/watch?v=5HP4jldyE28">https://www.youtube.com/watch?v=5HP4jldyE28</a></p>
ISLAMIC STUDIES (Arabs)	<p>الحج - حجة الوداع LEARNING OBJECTIVES-</p> <p>➤ يبين أركان الحج وواجباته وسننه ➤ يستنتج فضائل الحج ➤ يوضح أهم بنود حجة الوداع</p>	<p>✓ يوضح مفهوم الحج وأنواعه وأركانه ✓ يشرح آداب وسنن الحج ✓ يحدد الدروس المستفادة من حجة الوداع ✓ يبين الاحكام التي اشتملت عليها خطبة حجة الوداع</p>	<p><a href="https://www.youtube.com/watch?v=tCCi8Qf0GKq">https://www.youtube.com/watch?v=tCCi8Qf0GKq</a> <a href="https://www.youtube.com/watch?v=PGRyGmvbs0M">https://www.youtube.com/watch?v=PGRyGmvbs0M</a></p>



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	<p>يستنتج العبر المستفادة من حجة الوداع</p>		
<p>ISLAMIC STUDIES (Non- Arabs)</p>	<p>TOPIC: Exchanging Advice in Islam</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> <li>➤ To explain the importance of sincere advice as an Islamic duty.</li> <li>➤ To clarify the meaning of sincere advice and its goal.</li> <li>➤ To elucidate the effects of sincere advice on the individual and society</li> </ul>	<ul style="list-style-type: none"> <li>✓ Search and explore how it is important sincerity in work and in giving advice to individuals and society. Support your answer with ayat and Hadeeth.</li> </ul>	<p><a href="http://aboutislam.net/shariah/refine-your-heart/the-art-of-giving-advice-15-tips/">http://aboutislam.net/shariah/refine-your-heart/the-art-of-giving-advice-15-tips/</a></p>
<p>PSHCEE</p>	<p>TOPIC: Tolerance</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> <li>➤ To examine how we can show tolerance to other people</li> </ul>	<p>Encourage your children to</p> <ul style="list-style-type: none"> <li>✓ Be more tolerant in accepting other people's differences.</li> <li>✓ Talk about the importance of tolerance and how to show tolerance to other people</li> </ul>	<p><a href="https://www.youtube.com/watch?v=CwT9jYSfCi0&amp;t=323s">https://www.youtube.com/watch?v=CwT9jYSfCi0&amp;t=323s</a></p>
<p>HISTORY</p>	<p>TOPIC: Russian Empire in the 19<sup>th</sup> Century</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> <li>➤ To examine the Russo Japanese War as a factor for Bloody Sunday.</li> </ul>	<p>Discuss the following with your child</p> <ul style="list-style-type: none"> <li>✓ How far the Bloody Sunday brought changes in the political arena in Russia?</li> </ul>	<p><a href="https://graphics.wsj.com/100-legacies-from-world-war-1/propaganda">https://graphics.wsj.com/100-legacies-from-world-war-1/propaganda</a></p> <p><a href="https://www.facinghistory.org/resource-library/video/propaganda-during-world-war-i-appeal-you">https://www.facinghistory.org/resource-library/video/propaganda-during-world-war-i-appeal-you</a></p>



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<p>GEOGRAPHY</p>	<p>TOPIC: Plate Tectonics</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> <li>➤ To examine the structure and movement of tectonic plates.</li> </ul>	<p>Help your child answer the following question:</p> <ul style="list-style-type: none"> <li>✓ How do convection currents affect the surface of the earth</li> </ul>	<p><a href="https://www.bbc.co.uk/bitesize/guides/zyhv4wx/revision/1">https://www.bbc.co.uk/bitesize/guides/zyhv4wx/revision/1</a>  <a href="https://www.youtube.com/watch?v=VNGUdObDoLk">https://www.youtube.com/watch?v=VNGUdObDoLk</a>  <a href="https://www.amnh.org/exhibitions/natures-fury-natural-disasters/volcanoes">https://www.amnh.org/exhibitions/natures-fury-natural-disasters/volcanoes</a></p>
<p>UAE SOCIAL STUDIES</p>	<p>TOPIC: African resources and economy</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> <li>➤ To examine the economic growth of Kenya</li> </ul>	<p>Motivate your child to answer the following questions:</p> <ul style="list-style-type: none"> <li>✓ What is the major export of Kenya?</li> <li>✓ Make a comparison of the tea plantations of Kenya with Munnar valley in India.</li> <li>✓ Why would China want to support transportation development in Kenya? Explain.</li> </ul>	<p><a href="#">Yr 9 UAE SST MOE text book</a></p>
<p>FRENCH</p>	<p>TOPIC: <b><u>Pour sauver le monde</u></b></p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> <li>➤ To participate in a prepared conversation on a familiar topic</li> <li>➤ To give arguments for changes that are needed to improve home area and to protect the environment</li> </ul>	<p>Along with your child discuss</p> <ul style="list-style-type: none"> <li>✓ How do we care about the environment in the UAE (United Arab Emirates)</li> <li>✓ What are the latest creations that you observed in Dubai Expo 2020 that help to protect the environment?</li> </ul>	<p><a href="http://www.youtube.com">http://www.youtube.com</a>  <a href="http://www.francaisfacile.com">www.francaisfacile.com</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>            French radio stations</p>



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	<ul style="list-style-type: none"> <li>➤ To make negative forms using different structures (for example: ne...pas, ne ... jamais; ne .... plus , ne .....rien etc)</li> <li>➤ To give opinions using a range of expressions (like ex.: "je pense...", "à mon avis ....." , je trouve ....." etc)</li> <li>➤ To use expressions to emphasize the features ( for example: très .....,beaucoup .....,trop ..., un peu .....) )</li> <li>➤ To make longer sentences with a help of a range of connectives ( for example : et, mais, parce que)</li> </ul>		<p><a href="http://www.cheriefm.fr">www.cheriefm.fr</a></p> <p><a href="http://www.rfm.fr/">http://www.rfm.fr/</a></p> <p><a href="http://www.nostalgie.fr/">http://www.nostalgie.fr/</a></p> <p><a href="http://www.voltage.fr/">http://www.voltage.fr/</a></p>
ICT	<p>TOPIC: E-safety</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> <li>➤ To explore keeping data safe from unauthorised users</li> </ul>	<p>Motivate your child to</p> <ul style="list-style-type: none"> <li>✓ Discuss the importance of keeping data safe from accidental or malicious damage.</li> <li>✓ Explore how to keep data safe from unauthorised users</li> <li>✓ Identify different techniques to use passwords, firewalls, proxy servers, SSL, TLS and encryption risks posed by phishing and pharming and security safeguards</li> </ul>	<p><a href="https://www.ictlounge.com/html/esafety.htm">https://www.ictlounge.com/html/esafety.htm</a></p>



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STEAM	<p>TOPIC: Micro:bit Pet</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"><li>➤ Evaluate and describe how to use selection method to make different events to happen at different times</li></ul>	<ul style="list-style-type: none"><li>✓ Create your own electronic pet and customize it to make it your own using BBC Micro: bit</li></ul>	<p><a href="https://www.youtube.com/watch?v=LU_kUnOoSb4">https://www.youtube.com/watch?v=LU_kUnOoSb4</a></p> <p><a href="https://microbit.org/projects/make-it-code-it/microbit-pet/">https://microbit.org/projects/make-it-code-it/microbit-pet/</a></p>
Moral Education	<p>TOPIC: Combining the Traditional Concept of Majlis with New Technologies</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"><li>✓ To introduce students to the concept of e-Government and direct democracy and show how they are used by present day governments.</li></ul>	<p>Ask your child to</p> <ul style="list-style-type: none"><li>✓ List out the advantages and disadvantages the governments can have when using social media to engage the public in conversations about policies and services.</li></ul>	<p><a href="https://www.youtube.com/watch?v=tQC29tKFQXo">https://www.youtube.com/watch?v=tQC29tKFQXo</a></p>