



The Winchester School

Year 9- Family Learning Newsletter – September- 2023

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	TOPIC: Hamlet LEARNING OBJECTIVES- ➤ To introduce students to the play Hamlet and its relevance in the 21st century.	Encourage your child to. ✓ Read the summary of Hamlet provided in the link and then research on any adaptation of Hamlet that was filmed or dramatized in your own country. ✓ Watch the adaptation with your child. ✓ Identify and state the differences between the adaptation and the original in terms of plot, characters, setting etc. ✓ How has the shift in the language and setting affected the viewer?	Hamlet: Full Play Summary SparkNotes
MATHS	TOPIC – Number LEARNING OBJECTIVES- ➤ Recall and apply the concept of multiples, factors, prime factorization, square numbers and roots and real numbers (rational/irrational numbers) TOPIC- Fractions and Percentages LEARNING OBJECTIVES- ➤ To identify recurring decimals and to convert them into fractions.	Motivate your child to ✓ Research on real-life applications of HCF and LCM and present your work with examples. ✓ Create and solve word problems on calculating a percentage and percentage change based on your real-life experience. ✓ Summarise your learning and make revision notes with rules and examples on rounding, directed numbers and fractions.	https://www.mathsisfun.com/greatest-common-factor.html https://www.bbc.co.uk/bitesize/topics/z7kw2hv https://www.mathsisfun.com/numbers/percentage-change.html https://www.mathwarehouse.com/games/our-games/arithmetic-games/number-balls/ https://www.free-training-tutorial.com/negative-numbers-games.html



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	<ul style="list-style-type: none"> ➤ Calculate the percentage increase and percentage decrease of a number using the multiplier method. ➤ To apply the concept of simple interest to find interest and amount. ➤ To determine the multiplier for exponential growth and decay and to write and evaluate exponential expressions to model growth and decay situations. 		https://www.bbc.co.uk/bitesize/guides/zscq6yc/revision/1
BIOLOGY	<p>TOPIC: Variation and Genetics</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ Explain the importance of diversity. ➤ Differentiate between continuous and discontinuous variation. ➤ Investigate variation within a species. ➤ Evaluate the importance of variation in organisms. ➤ Understand that offspring from the same parents may show considerable variation. ➤ Evaluate the importance of genetic and environmental variation to the survival of the organism. ➤ Explain the process of selective breeding. 	<p>Encourage your child to create a</p> <ul style="list-style-type: none"> ✓ Documentary based on the importance of diversity. ✓ Brochure that explains this practice and why it is used. Dog breeders engage in selective breeding in order to improve certain dog breeds. Motivate students to create ✓ Ask students to create a poster board display that shows various dominant and recessive traits in a species. Include a cross between two of the species that show how dominant and recessive traits are passed on to offspring. 	<p>http://www.bbc.co.uk/education/guides/z9gk87h/revision</p> <p>http://www.educationquizzes.com/ks3/science/variation-and-classification-01/</p> <p>http://www.dontstoplearning.com/ks3science/9Aa_Genetics_Inheritance_Variation.htm</p>



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	<ul style="list-style-type: none"> ➤ Evaluate the importance of selective breeding, and explore the ethical issues involved. 		
CHEMISTRY	<p>TOPIC: Kinetic particle theory</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To outline the properties of the different states of matter in terms of the particle model, including gas pressure. ➤ To interpret the phase change graph and explain changes of state in terms of particle model. ➤ To draw the structure of an atom and state the properties of a sub-atomic particles of an atom. ➤ To calculate the sub-atomic particles of an atom of a given element. 	<p>Along with your child.</p> <ul style="list-style-type: none"> ✓ Discuss the particulate nature of different states of matter using scientific key terms (example intermolecular space, intermolecular force, particle arrangement, particle energy) using a particle model. ✓ Read the context and summarise your understanding writing at least 5 points on phase change. ✓ Create a model using clay or any recycled material to show the structure of an atom, label electron, proton, neutron and justify why atoms are electrically neutral using the model. ✓ Discuss the periodic table, how elements are arranged, discuss elements discovered, man-made elements, radioactive elements, noble gases, useful transition elements, reactive group-1 elements etc and relate their uses/application to its properties. 	<p>https://www.youtube.com/watch?v=21CR01rlmv4</p> <p>https://www.youtube.com/watch?v=xYU7RSOZ0U</p> <p>https://www.youtube.com/watch?v=STURzRg7LDQ</p> <p>https://www.youtube.com/watch?v=h6LPAwAmnCQ</p> <p>https://www.youtube.com/watch?v=dRfrvpVdKGM</p> <p>https://www.youtube.com/watch?v=uPkEGAHo78o</p>
PHYSICS	<p>TOPIC: Light</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To understand the similarities and differences between light waves and waves in matter. 	<p>Encourage your child to -</p> <ul style="list-style-type: none"> ✓ Watching video of lightning and thunder to differentiate the speed of sound and wave ✓ Research on why sound cannot hear from sun. ✓ Design a KALEIDOSCOPE with available materials ✓ Draw a ray diagram of reflection and measure angles 	<p>http://www.bbc.co.uk/education/guides/zq7thyc/revision/1</p>



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	<ul style="list-style-type: none">➤ To differentiate light wave and sound wave in terms of properties➤ To state laws of reflection➤ To draw accurate ray diagrams showing how an image is formed by a plane mirror.➤ To differentiate curved mirrors as concave and convex mirror	<ul style="list-style-type: none">✓ Select a range of materials for pupils to sort into transparent, translucent or opaque groups, by shining light from a torch onto them.✓ Establish that material reflect or transmit different amounts of light and ask pupils to suggest what has happened to the rest of the light, developing the idea of absorption.✓ Investigate how solar panels which are the energy of future can be designed more effectively, UAE initiation to sustainability.	https://www.youtube.com/watch?v=uvPFJpwuzFM https://www.youtube.com/watch?v=C9NIDtFNVc0 https://simpop.org/reflection/reflection.htm
ARABIC (Arabs)	<p>TOPIC: أنواع الخبر</p> <p>LEARNING OBJECTIVES-</p> <p>يُميز أنواع الخبر يعربها إعرابًا صحيحًا يستخدمها في كتاباته</p> <p>TOPIC: الطباق وأنواعه</p> <p>LEARNING OBJECTIVES-</p> <p>يُميز نوعي الطباق يستخدمها في كتاباته</p> <p>TOPIC: لا تغضب</p> <p>LEARNING OBJECTIVES-</p>	<ul style="list-style-type: none">✓ يكتب فقرات تتضمن أنواع الخبر✓ يصف فصل الربيع مستخدمًا أنواع الخبر✓ يستخرج الخبر من الأمثلة ويحدد نوعه✓ يصمم خريطة ذهنية لأنواع الخبر✓ يعرب الخبر بأنواعه في الأمثلة <p>يكتب فقرات تتضمن الطباق بنوعيه يستخرج الطباق ويحدد نوعه في الأمثلة يصمم خريطة ذهنية للطباق مستخدمًا الأدلة</p> <p>يكتب موضوعًا عن أضرار الغضب النفسية والجسدية والاجتماعية يبحث في صفات البلاغة النبوية</p>	https://youtu.be/wjyBIGUEEF1 https://www.youtube.com/watch?v=JA8gajNEDG4



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	يحلل الحديث النبوي تحليلًا أدبيًا يتعرف صفات كلام النبي صلى الله عليه وسلم يكتب موضوعًا عن أضرار الغضب	يحدد أفكار الحديث النبوي يفسر الألفاظ ويبين دلالاتها يحدد الأساليب البلاغية ويبين غرضها	https://www.youtube.com/watch?v=ZjLVkl7ostM
ARABIC (Non - Arabs)	TOPIC: Environment LEARNING OBJECTIVES- <ul style="list-style-type: none">➤ To know the meaning of the environment.➤ To identify the components of the environment.➤ To classify the different types of environments.➤ To create a report on different types of environments.➤ To Write an article on the environment.➤ To describe how he felt about the environment.➤ To compare environments (desert, coastal and mountainous)➤ To clarify the UAE's role in protecting the environment.➤ To express his opinion on the problem of all kinds of waste.	Motivate your child to <ul style="list-style-type: none">✓ Write a letter to your friend about types of environments.✓ Create a poster about coastal environment.✓ To design signs to protect the environment.✓ Design a mind map for desert environment.✓ make a video about types of environments.✓ Create a dialogue about the different types of environments in the Emirates.	https://www.youtube.com/watch?v=UvMlfsSlVhM https://www.youtube.com/watch?v=47STCSWm3Q0 https://www.youtube.com/watch?v=37JLoAGdv1c https://www.youtube.com/watch?v=V3_7qdVK2GM https://www.youtube.com/watch?v=oyOQz1dlgTE https://www.youtube.com/watch?v=wwWSBxDNiqY https://www.youtube.com/watch?v=UVAwpBxKEXA https://www.youtube.com/watch?v=illjkbKqyYA https://www.youtube.com/watch?v=7p36-BnFWOU https://www.youtube.com/watch?v=oyOQz1dlgTE



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ISLAMIC STUDIES (Arabs)	<p>TOPIC: مع الله ورسوله - السبع الموبقات - الغفور - العدل سبحانه</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none">➤ يفسر المفردات الصعبة في الآيات من سورة الحجرات➤ يبين المعنى الإجمالي للآيات من سورة الحجرات➤ يشرح مفهوم الموبقات ولماذا سميت بهذا الاسم➤ يبين دلالات الحديث الشريف➤ يوضح اسم الله الغفور واسم الله العدل➤ يبين خصائص مغفرة الله تعالى	<ul style="list-style-type: none">✓ يحفظ الآيات من سورة الحجرات مراعيًا أحكام التلاوة✓ يبحث عن أسباب نزول الآيات✓ يطبق القيم التي اشتملت عليها الآيات✓ يدلل على تحريم الموبقات السبع من خلال القرآن والسنة✓ يبين الآثار السلبية المترتبة على ارتكاب الموبقات✓ يدلل على أن الله تعالى واسع المغفرة من خلال القرآن والسنة والسيرة✓ يعدد مجالات العدل الإلهي	<p>https://www.youtube.com/watch?v=O0mQvLRBQ_c</p> <p>https://www.youtube.com/watch?v=Af_7G-LvQrE</p> <p>https://www.youtube.com/watch?v=1tllqWYUz4o&t=4s</p> <p>https://www.youtube.com/watch?v=DW7Cem9vKv0</p>
ISLAMIC STUDIES (Non- Arabs)	<p>TOPIC:- In the Holy Presence of Allah, His Messenger, and the Ruler 2- The Seven Deadly Sins</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none">➤ To elucidate the concept of making decision according to Quran and Sunnah. (By referencing Quran & Seerah)➤ To evaluate the importance of etiquettes of speaking and visiting others. (by referencing Ahadeeth & Real life)	<p>Encourage your child to</p> <ul style="list-style-type: none">✓ Write an essay discussing how has the U.A.E deal with those who try to spread rumours? In your opinion how we can encourage people to take care about the authenticity of news before conveying to others✓ Create a PowerPoint about how to implement this topic in your real life by explaining how to lead a pious life and save the society from the moral crimes.	<p>https://www.youtube.com/watch?v=3PcUSirJ_vo</p> <p>https://www.youtube.com/watch?v=vxafGZg_BZ4&pp=ygUkdGhlIH_NldmVulGRlc3RydWN0aXZlIH_NpbnMgaW4gaXNsYW0g</p>



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	<ul style="list-style-type: none"> ➤ To elucidate the grievous nature of seven sins and their punishments. ➤ To evaluate the consequences of major sins on an individual and society. (By referencing Quran & Ahadeeth& examples from real life). 		
PSHCEE	<p>TOPIC: Smart Targets</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To understand what SMART targets are? ➤ To produce SMART targets for yourself at school for every subject 	<ul style="list-style-type: none"> ✓ Discuss with your child the different smart targets and ask them to show you the smart targets they've done and help them to plan next steps to achieve these. 	https://www.mindtools.com/pages/article/smart-goals.htm
HISTORY	<p>TOPIC:-World War II-Cold War</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To investigate the causes and impact of Cuban Missile Crisis 	<p>Motivate your child to research and answer the following questions:</p> <ul style="list-style-type: none"> ✓ Why was the Cuban Missile Crisis so dangerous? Explain. ✓ Who won the crisis? Justify your answer. 	https://www.atomicheritage.org/history/nuclear-close-calls-cuban-missile-crisis https://www.wilsoncenter.org/event/the-soviet-cuban-missile-crisis-castro-mikoyan-kennedy-khrushchev-and-the-missiles-november https://www.jfklibrary.org/learn/about-jfk/jfk-in-history/cuban-missile-crisis



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GEOGRAPHY	<p>Topic: International Development</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> ➤ To examine the reasons for the difference in development in LEDC and MEDC 	<p>Along with your child-</p> <ul style="list-style-type: none"> ✓ Compare and contrast the economic development of Ghana and UK 	<p>https://www.youtube.com/watch?v=Po0_o3Gk9FPQ</p> <p>https://www.youtube.com/watch?v=DsTWJJp2zVk</p>
UAE SOCIAL STUDIES	<p>TOPIC: Economy in the Middle East</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To analyze the the national economy of any country in Middle East ➤ To explore the local economy of a city 	<p>Encourage your child research and explore on the following aspects of economy in Middle East:</p> <ul style="list-style-type: none"> ✓ World trade ✓ Common Market ✓ Exports and imports ✓ Balance of trade ✓ Mixed Economy ✓ Free trade ✓ Tariffs 	<p>https://www.icaew.com/technical/economy/economic-insight/economic-insight-middle-east</p> <p>https://www.icaew.com/technical/economy/economic-insight/economic-insight-middle-east</p>
FRENCH	<p>TOPIC: Le monde est à toi</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To describe the place where I live and compare it with my dream home <p>GRAMMAR :</p> <ul style="list-style-type: none"> ➤ Verbs ``aller+infinitive`` future tense ➤ Les prépositions : ``au,du,de la, à la, à l', de l', en face etc... 	<p>Encourage your child to</p> <ul style="list-style-type: none"> ✓ Give a good example making effort to memorize some French vocabulary. ✓ Make a list of important things in your house /apartment; what would you change in your place? If you could, would you rather do up your place or change it for a different one? <p>Studying foreign languages is proven to be one of the best ways to stimulate the brain.</p>	<p>www.youtube.com (the environment, country, house)</p> <p>www.french-games.net</p> <p>http://www.tv5.org/TV5Site/enseigner-apprendre-francais/accueil_apprendre.php</p> <p>http://energienaction.blogspot.com/p/vocabulaire.html</p>



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	<ul style="list-style-type: none">➤ The pronoun “y”➤ Question formation➤ Adjectives : gender agreement and position➤ Les indicateurs de temps et de lieu (près de, loin de...) <p>VOCABULARY :</p> <ul style="list-style-type: none">➤ My house, my town: making descriptions	http://www.guardian.co.uk/science/2011/feb/18/bilingual-alzheimers-brain-power-multitasking	French radio stations: www.cherie.fr http://www.rfm.fr/ http://www.nostalgie.fr/ http://www.voltage.fr/
ICT	TOPIC: Input devices LEARNING OBJECTIVES- <ul style="list-style-type: none">➤ To list various examples of Input Devices.➤ To explain different types of devices used to input information to a computer.➤ To explain the uses of different input Devices.➤ To identify advantages/disadvantages of different input Devices.	Encourage your ✓ To evaluate different input devices their uses, advantages and disadvantages (keyboards, numeric, keypads, pointing devices, mouse, touchpad, barcode readers, digital cameras, OMR, OCR, webcams, lightens etc.) ✓ Demonstrate the use of each of the devices. In particular show examples of documents which make use of OCR, barcode readers. Brainstorm about the situations where each of the devices might be used.	https://ictlounge.com/html/input-outputdevices.htm https://www.slideshare.net/simi28/presentation-on-input-devices-31790905



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STEAM	<p>TOPIC: Smart Lighting System</p> <p>LEARNING OBJECTIVE-</p> <ul style="list-style-type: none">➤ To explore and investigate smart lighting grids and what makes them energy efficient.	<p>Encourage your child to</p> <ul style="list-style-type: none">✓ Explore the benefits of smart lighting systems and investigate how it is energy efficient.✓ Research on the Best Smart Lighting Systems for 2020. Create a presentation that shows the functions of various Smart Lighting Systems and how they are different from each other.✓ Parents can help to gather the information and complete the presentation.	<p>https://www.smlease.com/entries/automation/what-is-smart-lighting-technology/</p>
MORAL EDUCATION	<p>TOPIC: The Community</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none">➤ To analyse the importance of community and the importance of belonging to the community.	<ul style="list-style-type: none">✓ Encourage your child to give one example of human values that govern the relationships between the group members.✓ Discuss with your child your duties towards your country in terms of your role in each of the following groups: family, school, and neighbourhood	<p>https://www.thelifeinuktest.co.uk/study-guide/government-law-role/your-role-community.php</p>