



The Winchester School

Year 9- Family Learning Newsletter – September – 2024

#20yearsofWIN

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	<p>Topic: Hamlet</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> ❖ To introduce students to the play Hamlet and its relevance in the 21st century. 	<p>Activities: Encourage your child to</p> <ul style="list-style-type: none"> ❖ Read the summary of Hamlet provided in the link. ❖ Research on any adaptation of Hamlet that was filmed or dramatized in your own country. ❖ Watch the adaptation if possible 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? 	<ul style="list-style-type: none"> ❖ http://www.sparknotes.com/shakespeare/hamlet/summary/
MATHS	<p>TOPIC: Fraction and percentages</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ❖ To identify recurring decimals and to convert them into fractions. ❖ 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. 	<p>Activities: Motivate your child to</p> <ul style="list-style-type: none"> ❖ 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. 	<ul style="list-style-type: none"> ❖ 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/



The Winchester School

Year 9- Family Learning Newsletter – September – 2024

#20yearsofWIN

	<ul style="list-style-type: none"> ❖ To determine the multiplier for exponential growth and decay and to write and evaluate exponential expressions to model growth and decay situations. <p>TOPIC: Estimation</p> <p>LEARNING OBJECTIVES:</p> <ul style="list-style-type: none"> ❖ To round and estimate the numbers to the required degree of accuracy. 		<ul style="list-style-type: none"> ❖ https://www.free-training-tutorial.com/negative-numbers-games.html ❖ https://www.bbc.co.uk/bitesize/guides/zscq6yc/revision/1
<p>BIOLOGY</p>	<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. 	<p>Activities: Motivate your child to</p> <ul style="list-style-type: none"> ❖ Explore their environment to find examples of variation, such as different leaf shapes, types of flowers, or even human traits like eye color and height. They document their findings and classify them into continuous (e.g., height) and discontinuous (e.g., eye color) variation. ❖ Survey their classmates to gather data on traits such as tongue rolling, earlobe attachment, and thumb crossing. They then create charts to display the frequency of these traits, discussing dominant and recessive genes. 	<ul style="list-style-type: none"> ❖ https://www.bbc.co.uk/bitesize/topics/zpffr82 ❖ https://www.stem.org.uk/resources/collection/448178/variation ❖ https://www.shalomeducation.com/courses/ks3biology/lessons/genetics-andevolution/topic/genetic-andenvironmental-variation/



The Winchester School

Year 9- Family Learning Newsletter – September – 2024

#20yearsofWIN

	<ul style="list-style-type: none">❖ Evaluate the importance of genetic and environmental variation to the survival of the organism.	<ul style="list-style-type: none">❖ Utilize online platforms like PhET Interactive Simulations or educational games like "Dragon Genetics" to explore genetic concepts interactively.	
CHEMISTRY	<p>Topics: Particulate Nature of Matter</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.	<p>Activity:</p> <ul style="list-style-type: none">❖ Motivate your child to discuss & compare 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.❖ Encourage your child to make 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.	<ul style="list-style-type: none">❖ https://www.studysmarter.co.uk/explanations/physics/particle-model-of-matter/❖ https://study.com/academy/lesson/phase-change-evaporation-condensation-freezing-melting.html❖ Draw the structure of atom and explain about it. Homework.Study.com



The Winchester School

Year 9- Family Learning Newsletter – September – 2024

#20yearsofWIN

	<ul style="list-style-type: none"> ❖ To calculate the sub-atomic particles of an atom of a given element. 	<ul style="list-style-type: none"> ❖ Motivate your child to discuss about their understanding the periodic table, how elements are arranged, discuss elements discovered, man-made elements, radio-active elements, noble gases, useful transition elements, reactive group-1 elements etc and relate their uses/application to its properties. 	<ul style="list-style-type: none"> ❖ https://chem.libretexts.org/Bookshelves/Physical and Theoretical Chemistry Textbook Maps/Supplemental Modules (Physical and Theoretical Chemistry)/Atomic Theory/The Atom/Sub-Atomic Particles
<p style="text-align: center;">PHYSICS</p>	<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. ❖ 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 	<p>Activities: 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 KALIDOSCOPE with available materials. ❖ Draw ray diagram of reflection and measure angles. ❖ 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 materials 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. 	<ul style="list-style-type: none"> ❖ http://www.bbc.co.uk/education/guides/zq7thyc/revision/1 ❖ https://simpop.org/reflection/reflection.htm ❖ Light Waves KS3 Physics Revision (shalom-education.com)



The Winchester School

Year 9- Family Learning Newsletter – September – 2024

#20yearsofWIN

<p>ISLAMIC STUDIES (Arabs)</p>	<p>Topic: أحكام الرءاء السنن الإءتماعية في القرآن المنهء النبوي في تربية الءيل Learning Objectives:</p> <ul style="list-style-type: none">❖ أن يتعرف على أحكام الرءاء مع التمثيل لكل حكم أن يشرح المقصود بالسنن الإءتماعية ويدل على ما يقول❖ أن يوضح أساليب النبي في تربية الءيل	<p>Activities:</p> <ul style="list-style-type: none">❖ استخراج أحكام الرءاء الواردة في سورة الواقعة❖ بحث جماعي عن السنن الإءتماعية الواردة في القرآن❖ كتابة بحث عن الأساليب التربوية للنبي محمد التي استخدمها في دعوته	<ul style="list-style-type: none">❖ https://uae-school.com/archives/8653❖ https://uae-school.com/archives/33543❖ https://uae-school.com/archives/8657
<p>ARABIC (Arabs)</p>	<p>Topic: قصيدة غذوتك مولودًا - قواعد أنواع الخبر Learning Objectives:</p> <ul style="list-style-type: none">❖ يفسر المفردات الجديدة في الأبيات❖ يحلل الأبيات تحليلًا أدبيًا وبلاغيًا❖ يوزان بين الأبيات ومثيلتها في نفس الغرض❖ يتعرف أنواع الخبر❖ يعرب الخبر إعرابًا تامًا	<p>Activity:</p> <ul style="list-style-type: none">❖ يوظف مفردات الأبيات في جمل من إنشائي❖ يستخرج الصور الفنية في الأبيات❖ يحدد أنواع الخبر في النصوص المختلفة❖ يكتب نصوصًا موظفًا فيها أنواع الخبر	<ul style="list-style-type: none">❖ https://www.youtube.com/watch?v=wjyBIGUEEF1❖ https://www.youtube.com/watch?v=G2PI03-ftII



The Winchester School

Year 9- Family Learning Newsletter – September – 2024

#20yearsofWIN

<p style="text-align: center;">ARABIC (Non- Arabs)</p>	<p>Topic: Environment. Learning Objectives:</p> <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. 	<p>Activity: Encourage your child to</p> <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 	<ul style="list-style-type: none"> ❖ https://www.youtube.com/watch?v=U7CMrAeBN7s ❖ https://www.youtube.com/watch?v=NMpp-MpcFcQ ❖ https://www.youtube.com/watch?v=9mF6hLapAs8 ❖ https://www.youtube.com/watch?v=RxbjiUsCG8o ❖ https://www.youtube.com/watch?v=n4-y1S7LWOo ❖ https://www.youtube.com/watch?v=db6loH_oefs ❖ https://www.youtube.com/watch?v=j6TuBsg435U
<p style="text-align: center;">ISLAMIC STUDIES (Non- Arabs)</p>	<ul style="list-style-type: none"> ❖ Topic: The safety of society and unity of its members ❖ LEARNING OBJECTIVES: 	<p>Activities:</p> <ul style="list-style-type: none"> ❖ Encourage your child to research and create a poster about ayat and infer how you would decide 	<ul style="list-style-type: none"> ❖ https://www.slideserve.com/ssalazar/in-the-holy-presence-of-allah-his-messenger-and-the-ruler-powerpoint-ppt-presentation



The Winchester School

Year 9- Family Learning Newsletter – September – 2024

#20yearsofWIN

	<ul style="list-style-type: none"> ❖ To interpret the meaning of the ayat in their own words ❖ To explain the situations mentioned in some Quranic verses. ❖ To apply how to decide and etiquette of visiting elders. ❖ To apply values and principles embedded in Quranic verses. (sins of suspecting others, and spying on them). ❖ To explain relationship between reconciling between people and security and peace. 	<p>in your day-to-day life and etiquette of treating elders and visiting them.</p> <ul style="list-style-type: none"> ❖ Motivate your child to create a power point about safety of society and explain the values learned in the ayat and how it affects society and unity between people. 	<ul style="list-style-type: none"> ❖ https://www.brainscape.com/flashcards/the-safety-of-society-and-the-unity-of-i-14467603/packs/21291933
<p style="text-align: center;">PSHCEE</p>	<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 	<p>Activities:</p> <ul style="list-style-type: none"> ❖ Encourage your child to have a discussion on 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. 	<ul style="list-style-type: none"> ● https://www.mindtools.com/pages/article/smart-goals.htm



The Winchester School

Year 9- Family Learning Newsletter – September – 2024

#20yearsofWIN

MORAL EDUCATION	Topic: The Community Learning Objectives: <ul style="list-style-type: none">❖ To analyse the importance of community and the importance of belonging to the community.	Activities: <ul style="list-style-type: none">❖ Encourage your child to give one example of human values that govern the relationships between the group members.❖ Motivate your child their duties towards their country in terms of their role in each of the following groups: family, school, and neighbourhood	<ul style="list-style-type: none">• https://www.thelifeinuktest.co.uk/study-guide/government-law-role/your-role-community.php
HISTORY	TOPIC :- World War II-Cold War LEARNING OBJECTIVES- <ul style="list-style-type: none">❖ To investigate the causes and impact of Cuban Missile Crisis	Activities: <ul style="list-style-type: none">❖ Motivate your child to research and answer the following questions:<ul style="list-style-type: none">❖ Why was the Cuban Missile Crisis so dangerous? Explain.❖ Who won the crisis? Justify your answer.	History Work book https://ahf.nuclearmuseum.org/ahf/history/nuclear-close-calls-cuban-missile-crisis/



The Winchester School

Year 9- Family Learning Newsletter – September – 2024

#20yearsofWIN

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>Activities: Along with your child-</p> <ul style="list-style-type: none">❖ Compare and contrast the economic development of Ghana and UK	Geography Workbook
UAE SOCIAL STUDIES	<p>TOPIC: Economy in the Middle East</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none">❖ To analyze the national economy of any country in Middle East.❖ To explore the local economy of a city	<p>Activities:</p> <ul style="list-style-type: none">❖ Encourage your child research and explore on the following aspects of economy in Middle East:❖ World trade❖ Common Market❖ Exports and imports❖ Balance of trade❖ Mixed Economy❖ Free trade❖ Tariffs	<ul style="list-style-type: none">• https://www.icaew.com/technical/economy/business-confidence-monitor/middle-east



The Winchester School

Year 9- Family Learning Newsletter – September – 2024

#20yearsofWIN

<p>FRENCH</p>	<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">❖ Le present de l'indicatif: regular and irregular verb's conjugation.❖ Verbs ``aller+infinitive`` future tense❖ Les prépositions contractées: ``au, à la, à l', aux, du, de la, de l', des, etc...❖ Adjectives : gender agreement and position.❖ Les prépositions de lieu (près de, loin de, etc...)❖ The pronoun "y" <p>VOCABULARY:</p> <ul style="list-style-type: none">• My house.,• My city.	<p>Activities:</p> <ul style="list-style-type: none">❖ Encourage your child to do regular work: 15- 20 minutes 5 times a week spent with French will guarantee good progress. Listen together to a French radio station while doing household chores.❖ Motivate your child to give a good example making effort to memorize some French vocabulary.❖ Encourage your child to study the foreign languages that is proven to be one of the best ways to stimulate the brain.❖ Encourage your child to create a plan for your house naming each place in the house and writing few sentences about the activities that he can do in that room in French.	<ul style="list-style-type: none">• https://www.languagenut.com• https://www.french-games.net/ <p>French radio stations:</p> <ul style="list-style-type: none">• http://www.rfm.fr/• http://www.nostalgie.fr/• http://www.voltage.fr/
---------------	---	---	---



The Winchester School

Year 9- Family Learning Newsletter – September – 2024

#20yearsofWIN

ICT	<p>Topic: Input, Output and Storage devices</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">❖ To analyse various Input, Output and Storage devices.❖ To explain different types of devices used to input, output and storage information to a computer.❖ To explain the uses of different input, Output and storage devices.❖ To identify advantages/ disadvantages of different input, Output and Storage devices.	<p>Activities: Motivate your child to</p> <ul style="list-style-type: none">❖ 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.)❖ To examine different Output devices their uses, advantages and disadvantages (Monitors, Speakers, Types of Printers, Plotters)❖ To evaluate different Storage devices (Primary and Secondary storage)	<ul style="list-style-type: none">• https://www.bbc.co.uk/bitesize/articles/zx8hqv4
STEAM	<p>Topic: Smart Lighting System</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">❖ To explore and investigate smart lighting grids and what makes them energy efficient.	<p>Activities:</p> <ul style="list-style-type: none">❖ Encourage your child to explore the benefits of smart lighting systems and investigate how it is energy efficient.❖ Motivate your child to 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.	<ul style="list-style-type: none">• https://en.wikipedia.org/wiki/Smart_lighting• https://www.smlease.com/entries/automation/what-is-smart-lighting-technology/