



The Winchester School

Year 9- Family Learning Newsletter – October 2024

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	<p>Topic: Hamlet</p> <p>Learning Objective:</p> <ul style="list-style-type: none">❖ To analyse dramatic elements in Hamlet.	<p>Activity: Encourage your child to review Hamlet Act I</p> <ul style="list-style-type: none">❖ Discuss Themes and Motifs: Encourage your child to identify recurring themes and motifs in the text. Have regular discussions about how these themes relate to the characters and plot and explore how they connect to broader real-life issues.❖ Create a family tree: Help your child understand the complex relationships between the characters in Hamlet. This can be a visual aid to help them follow the story.❖ Stage a performance: Encourage your child to act out scenes from Hamlet. This can be a fun and creative way for them to explore the characters and themes of the play.	<p>https://www.savemyexams.com/gcse/english-literature/aqa/17/revision-notes/1-shakespeare/how-to-answer-the-shakespeare-essay-question/writers-methods-and-techniques/</p>
MATHS	<p>Topic: Algebra</p> <p>Learning Objective:</p> <ul style="list-style-type: none">❖ To substitute values in expressions and rearrange formulae.❖ To expand double brackets and simplify expressions.	<p>Activity : Motivate your child to</p> <ul style="list-style-type: none">❖ Research on real life applications of algebra and present your work with examples.❖ Cross curricular Activity link –❖ Kelvin Temperatures and Very Cold Things! https://spacemath.gsfc.nasa.gov/Algebra1/5Page78.pdf	<p>https://www.mathsisfun.com/algebra/expanding.html</p> <p>https://www.transum.org/software/SW/Starter_of_the_day/Students/Equations.asp?Level=5</p>



The Winchester School

Year 9- Family Learning Newsletter – October 2024

	<ul style="list-style-type: none">❖ To factorize given expressions.❖ To solve linear equations	<ul style="list-style-type: none">❖ Variables and Expressions from Around the Cosmos: https://spacemath.gsfc.nasa.gov/Algebra1/5Page81.pdf❖ Pulsars and Simple Equations: https://spacemath.gsfc.nasa.gov/Algebra1/5Page79.pdf	<p>https://thirdspacelearning.com/gcse-maths/algebra/rearranging-equations/</p> <p>https://mmerevise.co.uk/gcse-maths-revision/rearranging-formulae-gcse-maths-revision-worksheets/</p>
PHYSICS	<p>Topic: REFRACTION & EYE</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">❖ To describe the passage of light through rectangular slab❖ To describe and calculate refractive index of a medium❖ To learn about the eye and its defects❖ To correct eye defects.	<p>Activity :</p> <ul style="list-style-type: none">❖ Ask the child to observe a pencil half submerged in water and research the reason for it.❖ Encourage the child to understand the importance of the eye and how important it is to us.❖ Research the defects of eye and how they affect our day-to-day life❖ How can these defects be corrected?	<p>http://hyperphysics.phy-astr.gsu.edu/hbase/geoopt/refr.html</p> <p>http://www.physicsclassroom.com/class/refrn/Lesson-1/The-Cause-of-Refraction</p> <p>http://www.chm.bris.ac.uk/webprojects2002/upton/defects_of_the_eye.htm</p>



The Winchester School

Year 9- Family Learning Newsletter – October 2024

CHEMISTRY	<p>Topic: Atomic structure, Periodic Table and Electron configuration</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">❖ To outline the structure of an atom and state the properties of a sub-atomic particles of an atom.❖ To understand the concept underlying the arrangement of elements in the periodic table and explain the trends.❖ To show the arrangement of electrons around an atom and able to draw the electronic configuration until 20 elements	<p>Activity : Motivate your child to</p> <ul style="list-style-type: none">❖ Make a 3-D model of an atom choosing any element from the periodic table describing its structure and properties of sub-atomic particles (electron, proton and neutron).❖ Use the following link to answer the quiz questions on atomic structure – Test-1 <p>www.bbc.co.uk/schools/gcsebitesize/science/add_aqa_pre_2011/atomic/...</p> <ul style="list-style-type: none">❖ Create any 10 questions from the topic electronic structure of an atom using Kahoot.❖ Research and list the scientists involved in the forming of a periodic table.❖ Identify some of elements required by our human body and identify some of the elements, which have adverse harmful effects on our body.❖ Research on the real-life uses of noble gases and other common elements.	<p>www.kentchemistry.com/links/AtomicStructureLinks.htm</p> <p>www.bbc.co.uk/schools/gcsebitesize/science/add_aqa_pre_2011/atomic/</p> <p>www.chemguide.co.uk/atoms/properties/elstructs.html</p> <p>https://www.bbc.com/bitesize/guides/ztv797h/revision/3</p>
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The Winchester School

Year 9- Family Learning Newsletter – October 2024

<p>BIOLOGY</p>	<p>Topic: Structure of Chromosome, DNA and Cloning</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">❖ Describe how variation causes competition for resources and drives natural selection.❖ Outline the theories of Lamarck, Wallace and Darwin.❖ Explain that chromosomes are made of genes containing DNA and describe the structure of DNA.❖ Assess the work of Watson, Crick, Wilkins and Franklin on DNA structure❖ Analyse how fertilisation results in each new individual being genetically unique.❖ Evaluate how organisms may be artificially cloned	<p>Activity :</p> <ul style="list-style-type: none">❖ Encourage students to create an online article or play about the different types of mutations that occur and how they impact genes and chromosomes.❖ Cloning has been a genetic reality since 1952, and various organisms have been cloned. Ask student to create a PowerPoint presentation on these organisms that addresses how organisms are cloned, the ethical issues behind cloning, and whether you support cloning.❖ Ask students to create an online poster board display that shows the structure and function of DNA	<p>https://www.bbc.com/bitesize/guides/z36mmp3/revision/1</p> <p>https://pmgbiology.com/2014/10/21/dna-structure-and-function-igcse-a-understanding/</p> <p>https://edpuzzle.com/media/66ddcfe3555e87fe0efc76</p>
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The Winchester School

Year 9- Family Learning Newsletter – October 2024

<p>ISLAMIC STUDIES (Arabs)</p>	<p>Topic: الزكاة في الاسلام- سلامة المجتمع ووحدة أبنائه- الحلال بين</p> <p>Learning Objectives:</p> <p>يبين أحكام في الاسلام في الزكاة يستنتج أهمية الزكاة وأثرها على الفرد والمجتمع يلتزم أداء الزكاة لمستحقيها يبين مصارف الزكاة يستنتج بعض دلالات الآيات القرآنية يبين علاقة الصلح بالأمن والسلام يبين الهدايا الواردة في الحديث يكشف أهمية تجنب الشبهات</p>	<p>.... تطبيق آداب الإسلام وقيمه مثل النشاط والعدل والتسامح والإخلاص</p> <p>تطبيق آداب الإسلام في التعليم والتعلم، واستخدام المناهج العقلية في إثبات قضايا الإيمان.</p> <p>إتقان حفظ السور القرآنية المقررة وتفسير مفرداتها وتراكيبها.</p> <p>شرح أحكام التجويد، وأهميتها، وكيفية تطبيقها أثناء التلاوة.</p> <p>-</p>	<p>https://www.zakatfund.gov.ae/zfp/web/page_zakat_conditions.aspx</p> <p>https://uae-school.com/archives/8675</p>
<p>ARABIC (Arabs)</p>	<p>Topic: قصة قصيرة - الدرس الأخير - اسم الفاعل - اسم المفعول</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">❖ أن يبين الفكرة العامة والأفكار الفرعية للقصة❖ أن يحلل القصة تحليلاً فنياً ولغوياً❖ أن يشتق اسم الفاعل من الفعل الثلاثي وغير الثلاثي	<p>Activities:</p> <ul style="list-style-type: none">❖ يحدد العناصر الفنية للقصة❖ يكتب نهاية مختلفة للقصة❖ يستخرج اسم الفاعل من النصوص❖ يوظف اسم الفاعل في فقرة من إنشائه❖ يستخرج اسم المفعول من النصوص❖ يكتب فقرة من إنشائه موظفاً فيها اسم المفعول	<p>https://uae-school.com/archives/107274</p> <p>https://uae-school.com/archives/107157</p>



The Winchester School

Year 9- Family Learning Newsletter – October 2024

	<ul style="list-style-type: none">❖ أن يعرب اسم الفاعل إعرابًا صحيحًا❖ أن يشتق اسم المفعول من الفعل الثلاثي وغير الثلاثي❖ أن يعرب اسم المفعول إعرابًا صحيحًا		https://almanahj.com/ae/id=22920
ARABIC (Non- Arabs)	<p>Topic: Weather in the four seasons</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">❖ To describe the weather in the four seasons of the year.❖ To compare the weather in his country and the Emirates.❖ To provide a weather bulletin for each of the four seasons of the year.❖ To describe the weather at different times of the day.❖ To compare the weather of the different Emirati environments.❖ To explain the relationship between environmental pollution and weather.	<p>Activity:</p> <ul style="list-style-type: none">❖ Encourage your child to Design a mind map for each season of the year.❖ Motivate your child to Write a weather report.❖ Together with your child create Write a letter to a friend about the weather in the Emirates.❖ Help your ward to Create Video about the weather in the Emirates.❖ Create a dialog about the weather.❖ Discuss with your child to Design a program for tourists to visit the Emirates in the seasons of the year.	<p>الصيف.pdf</p> <p>https://youtu.be/zUZDQe6W0_I?si=AwRdJJq9-u0V2dtM</p> <p>الشتاء.pdf</p> <p>https://youtu.be/Jk9QbgyPGgs?si=s4AtyfrmT3fSZhAB</p> <p>الربيع.pdf</p> <p>https://youtu.be/AgeRqYDBxw4?si=tXa-f teHnlocW9t</p> <p>الخريف.pdf</p>



The Winchester School

Year 9- Family Learning Newsletter – October 2024

	<ul style="list-style-type: none"> ❖ To express his opinion on the weather in Seasons the year. ❖ To describe how he feels in different weather conditions. 		<p>https://youtu.be/7kBkzipYLp8?si=HAwKd_egCc6dqMaJ</p> <p>فصل الربيع.pdf</p> <p>فصل الشتاء.pdf</p> <p>كل الفصول.pdf</p>
<p>ISLAMIC STUDIES (Non- Arabs)</p>	<p>Topic: Al Ghafour the Forgiving, Al Adl the Just Glorified be He.</p> <p>Learning Objective :</p> <ul style="list-style-type: none"> ❖ To comprehend the importance of Allah’s Attributes (Al-Adl & Al-Ghafoor. (By giving reference from Quran and Sunnah). ❖ To analyse the conditions of accepting forgiveness (At Tawbah) ❖ To evaluate the effect of Justice and Forgiveness on society and sincere advice ❖ To elucidate the concept of sincere advice in Islam (by referencing Quran and Sunnah). 	<p>Activity: Motivate your child to</p> <ul style="list-style-type: none"> ❖ Search and create a power point on the conditions of Forgiveness of Allah (S.W.T) and His Justice in Punishing and the effect of these two Qualities of Allah on behaviour of people, and safety of society. ❖ Search a story from Seerah of Prophet (P.B.U.H) shows his forgiving attitude. ❖ Explore the benefits of justice on society. ❖ 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. ❖ How would you recognize the situation in which giving advice in not advisable? How would you react if the other person rejects your advice? Give evidence from Al Quran. 	<p>www.google.com</p> <p>www.islamicity.com</p> <p>https://www.youtube.com/watch?v=DHYGulQWXRE ‘</p> <p>https://www.youtube.com/watch?v=ipUHNiyUfLw</p>



The Winchester School

Year 9- Family Learning Newsletter – October 2024

	<ul style="list-style-type: none">❖ Analyzing the ethics of sincere advice. (By giving example from Seerah)❖ To evaluate the consequences of Sincere advice on individuals and society. (by giving example from real life)		
PSHCEE	<p>Topic: Are you a Good Citizen?</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">❖ To understand what characteristics we would look for in a good citizen❖ To understand how good citizens can create a big impact to the community❖ To learn about what students can do as active citizens to improve the community they live in	<p>Activity:</p> <ul style="list-style-type: none">❖ Encourage your child to plan and execute list of programs that they can do in the community❖ Family discussion time- Discussing the set of rules that promote harmony in the community	<p>https://charityforchange.org/helping-young-citizens-become-good-citizens/</p>



The Winchester School

Year 9- Family Learning Newsletter – October 2024

MORAL EDUCATION	<p>Topic: The Individual and the Community</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">❖ To explore how tolerant and understanding we are to others❖ To discuss whether our opinions can be manipulated or shaped by media.❖ To explore steps, we can take to eliminate discrimination	<p>Activity:</p> <ul style="list-style-type: none">❖ Encourage your child to demonstrate appreciation of personal tolerance and understanding of the causes and issue surrounding intolerance.❖ Sharing Time- Encourage discussions that promote respect and empathy for, and sensitivity to individuals who are different or who are from different backgrounds	<p>https://eugenetherapy.com/article/4-tips-for-building-tolerance-for-others/</p>
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>Activity: 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	<p>https://ahf.nuclearmuseum.org/history-article-roundup-april-2017/</p> <p>https://ahf.nuclearmuseum.org/ahf/history/nuclear-close-calls-cuban-missile-crisis/</p> <p>https://www.wilsoncenter.org/event/the-soviet-cuban-missile-crisis-castro-mikoyan-kennedy-khrushchev-and-the-missiles-november</p>



The Winchester School

Year 9- Family Learning Newsletter – October 2024

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>Activity :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 analyse the national economy of any country in Middle East❖ To explore the local economy of a city	<p>Activity: 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/business-confidence-monitor/middle-east</p> <p>https://www.icaew.com/technical/economy/business-confidence-monitor/middle-east</p>



The Winchester School

Year 9- Family Learning Newsletter – October 2024

FRENCH	<p>Topic: Tu habites où? Qu'est-ce qu'il y a en ville?</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">❖ To describe a house in detail.❖ To revise prepositions of place.❖ To identify different amenities in a town	<p>Activity:</p> <ul style="list-style-type: none">❖ Along with your child, revise the vocabulary describing different parts of the house, using the following link: https://french.kwiziq.com/learn/theme/2619872❖ Encourage your child to write a small composition (60 – 80) words, decoding the given plan using the vocabulary and prepositions given in class.	<p>https://www.frenchgames.net/frenchlessons?topic=Home%20%20rooms%20in%20the%20house&level=primary</p> <p>https://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-5847.php</p> <p>http://www.tv5monde.com/</p>
ICT	<p>Topic: E-safety</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">❖ To explore keeping data safe from unauthorised users	<p>Activity: Motivate your child to -</p> <ul style="list-style-type: none">❖ Keep data safe from accidental or malicious damage❖ Keep data safe from unauthorised users	<p>https://www.commonsense.org/education/digital-citizenship</p>
STEAM	<p>Topic: Micro: bit Pet</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">❖ Evaluate and describe how to use selection method to make different events to happen at different times.	<p>Activity: Encourage your child to</p> <ul style="list-style-type: none">❖ Create your own electronic pet and customize it to make it your own using BBC Micro: bit	<p>https://microbit.org/projects/make-it-code-it/microbit-pet/</p>