



The Winchester School

Year 9- Family Learning Newsletter –October- 2022

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	<p>TOPIC: Argumentative Essay</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To analyse the components of an argumentative essay. ➤ To compare and contrast elements of speech and argumentative essay. ➤ To analyse relevant ideas and compose argumentative essay. 	<p>With your child analyse</p> <ul style="list-style-type: none"> ✓ The current issues. ✓ The varying point of views in argumentative essays based on respective issues. ✓ The ideas and develop your own arguments. 	<p>Argumentative Essay Format - Structure & Elements, How to Write Guide (singaporeassignmenthelp.com)</p>
MATHS	<p>TOPIC – Algebra</p> <p>LEARNING OBJECTIVES</p> <ul style="list-style-type: none"> ➤ To identify, substitute and simplify an expression. ➤ To substitute values in expressions and rearrange formulae. ➤ To expand brackets and simplify expressions. ➤ To factorize given expressions. ➤ To solve linear equations. 	<p>Encourage your child to research</p> <ul style="list-style-type: none"> ✓ Real-life applications of algebra and present your work with examples. <p>Cross-curricular Activity link –</p> <ul style="list-style-type: none"> ✓ Kelvin Temperatures and Very Cold Things! https://spacemath.gsfc.nasa.gov/Algebra1/5Page78.pdf ✓ 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://www.mathsisfun.com/algebra/expanding.html</p> <p>https://www.transum.org/software/SW/Starter_of_the_day/Students/Equations.asp?Level=5</p> <p>https://emedia.rmit.edu.au/learnin_glab/sites/default/files/ES1_Linear_Equations.pdf</p> <p>https://mathsmadeeasy.co.uk/wp-content/uploads/2020/02/Rearran</p>



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Year 9- Family Learning Newsletter -October- 2022

			ging-Formulae-Questions-MME.pdf https://thirdspacelearning.com/gcse-maths/algebra/rearranging-equations/
BIOLOGY	<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.➤ Explain 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.➤ Explain how fertilisation results in each new individual being genetically unique.➤ Explain how organisms may be artificially cloned.	<p>Encourage your child</p> <ul style="list-style-type: none">✓ To create an online article or play about the different types of mutations that occur and how they impact genes and chromosomes.✓ To create a PowerPoint presentation on these organisms that addresses how organisms are cloned, the ethical issues behind cloning, and whether you support cloning. Since cloning has been a genetic reality since 1952 and various organisms have been cloned.✓ To create an online poster board display that shows the structure and function of DNA.	https://www.bbc.com/bitesize/guides/z36mmp3/revision/1 https://pmgbiology.com/2014/10/21/dna-structure-and-function-igcse-a-understanding/ http://www.bbc.co.uk/schools/gcsebitesize/science/add_edexcel/cells/cloningrev1.shtml



The Winchester School

Year 9- Family Learning Newsletter –October- 2022

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 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>Motivate your child to</p> <ul style="list-style-type: none">✓ Create 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✓ Create any 10 questions on 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 the 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>
PHYSICS	<p>TOPIC: Refraction and 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	<p>Encourage your child to</p> <ul style="list-style-type: none">✓ Observe a pencil half submerged in water and research the reason for it.✓ Understand the importance of eye and how important it is to us.✓ Research on the defects of the eye and how they affect our day-to-day life and how can these defects be corrected?	<p>http://hyperphysics.phy-astr.gsu.edu/hbase/geoopt/refr.html</p> <p>https://www.youtube.com/watch?v=jQDRNb-E-cY</p>



The Winchester School

Year 9- Family Learning Newsletter -October- 2022

	<ul style="list-style-type: none">➤ To learn about the eye and its defects➤ To correct the eye defects.		http://www.physicsclassroom.com/class/refrn/Lesson-1/The-Cause-of-Refraction http://www.chm.bris.ac.uk/webprojects2002/upton/defects_of_the_eye.htm
ARABIC (Arabs)	<p>TOPIC: لا تغضب</p> <p>LEARNING OBJECTIVES- أن يفسر الحديث تفسيرًا إجماليًا أن يحلله لغويًا وأدبيًا أن يقارنه مع حديث خارجي TOPIC: في مكارم الأخلاق</p> <p>LEARNING OBJECTIVES- أن يفسر النص تفسيرًا إجماليًا أن يحلل النص تحليلًا أدبيًا أن يقارن النص مع نص خارجي</p> <p>TOPIC: أنواع الحال</p> <p>LEARNING OBJECTIVES- أن يميز أنواع الحال الثلاثة أن يعرب جملة الحال إعرابًا صحيحًا</p>	<p>✓ يكتب الطالب موضوعًا عن أضرار الغضب</p> <p>يكتب الطالب موضوعًا عن فضائل الأخلاق</p> <p>يكتب الطالب فقرة تتضمن أنواع الحال</p>	https://www.youtube.com/watch?v=wYB94fVfhjo https://www.youtube.com/watch?v=i8nx721lnw4 https://www.youtube.com/watch?v=D1vngN50X3s



The Winchester School

Year 9- Family Learning Newsletter -October- 2022

<p>ARABIC (Non - Arabs)</p>	<p>TOPIC: Environment</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none">➤ To explain the meaning of the environment.➤ To identify the type of environment.➤ To analyze the text literary and linguistic.➤ To describe the environment.➤ To deduce the various components of the environment.➤ To express his opinion on the environment around him	<p>Encourage your child to-</p> <ul style="list-style-type: none">✓ Write a paragraph about the environment and its components.✓ Design a mind map about the environment.✓ Write a letter to your friend about the environment, its advantages and disadvantages.✓ Write a descriptive text about the environment around you.✓ Create a video about the environment.✓ Write a dialogue about the environment.	<p>https://www.youtube.com/watch?v=5P03PRSNHBY</p> <p>https://www.youtube.com/watch?v=-bQsYEqu7js</p> <p>https://www.youtube.com/watch?v=V3_7qdVK2GM&t=58s</p> <p>https://www.youtube.com/watch?v=8xfs4OHFkyw&t=45s</p>
<p>ISLAMIC STUDIES (Arabs)</p>	<p>TOPIC:</p> <p>التناصح في الإسلام الزكاة في الإسلام سلامة المجتمع ووحدة أبنائه</p> <p>LEARNING OBJECTIVES-</p> <p>يشرح آداب النصيحة يوضح مفهوم الزكاة ومصارفها ونصابها أبين علاقة الصلح بالأمن والسلام</p>	<p>✓ يبحث عن مضمون نصائح الأنبياء لأقوامهم ✓ يوضح أثر التناصح على المجتمع</p> <p>يبحث عن مجموعة من الآيات القرآنية التي تحث على الزكاة</p> <p>يبين أثر إخراج الزكاة على التنمية الاقتصادية</p> <p>يعدد مجموعة من الأشياء التي تنشر البغضاء والكراهية في المجتمع وكيفية القضاء عليها</p>	<p>https://www.youtube.com/watch?v=WoraPsWI9s8</p> <p>https://www.youtube.com/watch?v=BwtC1j5q7ig</p>



The Winchester School

Year 9- Family Learning Newsletter -October- 2022

<p>ISLAMIC STUDIES (Non- Arabs)</p>	<p>TOPIC: ➤ Al Ghafour The Forgiving, Al Adl The Just Glorified be He ➤ Sincere Advice</p> <p>LEARNING OBJECTIVES-</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.➤ To elucidate the concept of sincere advice in Islam (by referencing Quran and Sunnah).➤ To analyse 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)	<p>Motivate your child to</p> <ul style="list-style-type: none">✓ Research 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 behavior of people and safety of society.✓ Research a story from Seerah of Prophet (P.B.U.H) shows his forgiving attitude.✓ Explore the benefits of justice on society.✓ Research and explore how it is important sincerity in work and in giving advice to individuals and society. Support your answer with ayat and Hadeeth.✓ Research on how would they would recognize the situation in which giving advice in not advisable? How would they react if the other person reject your advice? Give evidence from Al Quran.	<p>https://www.youtube.com/watch?v=DHYGuIQWXRE '</p> <p>https://www.youtube.com/watch?v=ipUHNiyUfLw</p>
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The Winchester School

Year 9- Family Learning Newsletter –October- 2022

<p style="text-align: center;">PSHCEE</p>	<p>TOPIC: Are you A Good Citizen and Anti-Social Behaviour</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To understand how good citizens can create a big impact to the community ➤ To understand what anti-social behaviour is and why people behave in that way 	<p>Talk to your child about</p> <ul style="list-style-type: none"> ✓ The ways they can be a good citizen in their community. ✓ About examples of acts of anti-social behaviour. 	<p>http://www.sanchezclass.com/goodcitizen.htm</p> <p>https://daringtolivefully.com/good-citizen</p>
<p style="text-align: center;">MORAL EDUCATION</p>	<p>TOPIC: Communities and Social Groups in the UAE Diverse Community and The Concept of Equality in Society</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To mention the types of communities and main groups within UAE. ➤ Demonstrate understanding of diversity and equality in the UAE and articulate the benefits of diversity. 	<p>Motivate your child to</p> <ul style="list-style-type: none"> ✓ Talk to about the meaning of community and how they are important within a social group. ✓ Make a pie chart representing the different communities and social groups within the UAE. ✓ Create a questionnaire that they may use to interview various people within your community to find out about their social values. ✓ Discuss the importance of being socially acceptable within your community and the UAE 	<p>https://www.wellbeingpeople.com/2020/07/23/the-importance-of-an-engaging-community/</p> <p>https://www.hr.admin.cam.ac.uk/policies-procedures/behavioural-attributes/behavioural-attributes-framework/valuing-diversity</p>
<p style="text-align: center;">HISTORY</p>	<p>TOPIC – World War I</p> <p>LEARNING OBJECTIVES-</p>	<p>Encourage your child to</p> <ul style="list-style-type: none"> ✓ Watch the videos and discuss with the child the events that was to blame for the outbreak of WWI? 	<p>https://www.youtube.com/watch?v=-JEGVcSpfM9k</p> <p>https://www.johndclare.net/causes_WWI4.htm</p>



The Winchester School


Year 9- Family Learning Newsletter –October- 2022

	<p>➤ To examine how European powers (Russia, Germany, France and Britain) got involved in World War I.</p>	<p>✓ Have a debate with your child on - Germany was more to blame than Serbia for the outbreak of World War I</p>	<p>https://www.youtube.com/watch?v=0jycVFL8CNM</p>
GEOGRAPHY	<p>TOPIC – From Rock to Soil</p> <p>LEARNING OBJECTIVES-</p> <p>➤ To examine the difference between landscape and the rock cycle.</p>	<p>Motivate your child to -</p> <p>✓ Compare and contrast the landscape of UAE to that of UK.</p> <p>✓ Write an essay on- How can we prevent destruction of soil while using it?</p> <p>✓ Visiting the soil museum with your child on a weekend.</p>	<p>https://www.tes.com/resources/search/?&years=GB%7C0%7C11-14%7C&years=GB%7C0%7C14-16%7C&years=GB%7C0%7C16%2B%7C&subjects=GB%7C0%7CGeography%7C&displayCountry=GB&q=rock%20to%20soil</p>
UAE SOCIAL STUDIES	<p>TOPIC – Land and Resources of Africa</p> <p>LEARNING OBJECTIVES-</p> <p>➤ To examine the physical geography of Africa.</p>	<p>Encourage your child to</p> <p>✓ Create a list of resources that we use every day that are from Africa.</p> <p>✓ Locate the rift valley on the map of Africa and list the countries' that the rift valley runs through.</p>	<p>https://www.youtube.com/watch?v=nEFybyiLkD0</p> <p>https://www.nationalgeographic.org/encyclopedia/africa-physical-geography/</p>
FRENCH	<p>TOPIC: Tu habites où? Qu'est-ce qu'il y a en ville?</p> <p>LEARNING OBJECTIVES-</p> <p>➤ To describe a house in details.</p>	<p>Along with your child</p> <p>✓ Revise the vocabulary describing different parts of the house use the link below:</p> <p>https://www.youtube.com/watch?v=BKLuaH7T_yk&ab_channel=EvaGarc%C3%ADa</p>	<p>https://www.french-games.net/frenchlessons?topic=Home%20-%20rooms%20in%20the%20house&level=primary</p>



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Year 9- Family Learning Newsletter -October- 2022

	<ul style="list-style-type: none"> ➤ To revise prepositions of place. ➤ To identify different amenities in a town 	<ul style="list-style-type: none"> ✓ Write a small composition (60 – 80) words, decoding the given plan using the vocabularies and prepositions given in class. 	<p>https://www.youtube.com/watch?v=ms_bjzkKIM0&ab_channel=YouLearnFrench</p> <p>https://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-5847.php</p> <p>http://www.tv5monde.com/</p>
ICT	<p>TOPIC: HTML / WEB AUTHORING</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To develop a web page for projects, personal use or companies. ➤ To design a webpage using stylesheets and media. ➤ To create, apply an appropriate style including font type (serif, sans-serif), point size, font colour, alignment, line spacing, style of bullets, text alignment to the left, right, centre or fully justified. ➤ To use text enhancement, including bold, underline, italic, highlight. ➤ To attach stylesheets to html page. 	<p>Encourage your child to</p> <ul style="list-style-type: none"> ✓ Visit popular websites to see how the home pages are designed. Consider visiting these personal pages and discussing them. ✓ Create a Sway presentation which discusses various options for creating a webpage and software's available for the same. 	<p>https://websitebuilders.com/how-to/build-a-homepage/</p> <p>https://www.w3schools.com/html/</p>