



The Winchester School

Year 9- Family Learning Newsletter – January – 2025

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	<ul style="list-style-type: none"> ❖ Topic: Narrative Writing ❖ Learning Objective: To analyse features and format of a narrative. 	<ul style="list-style-type: none"> ❖ Activity: Encourage your child to <p>Read at least 2 short stories from Aim High or the ones assigned by your teacher. Analyse the following:</p> <ul style="list-style-type: none"> ❖ The beginning: how the setting and characters are introduced. ❖ How the story develops and which narrative elements aid in the development. ❖ What various narrative techniques such as dialogues, foreshadowing, flashbacks and climax etc. are developed and what is their effect on the narrative. ❖ Select 10 words or phrases that impact the overall setting. Explain their effect. ❖ How does the nature, feelings and actions of the characters change as the narrative progresses? ❖ How the beginning and ending are connected ❖ Pick up the magazine. Create a short story of 350 words on the first sentence/phrase or picture you see. 	<ul style="list-style-type: none"> ❖ https://thewritelife.com/5-powerful-writing-techniques/
MATHS	<ul style="list-style-type: none"> ❖ Topic – Indices ❖ Apply the rules of indices to simplify algebraic expressions. 	<p>Activities - Motivate your child to:</p> <ul style="list-style-type: none"> ❖ Research on real life applications of map scale and present your work with examples. 	<ul style="list-style-type: none"> ❖ https://www.transum.org/Maths/Exercise/Map_Scales/



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	<ul style="list-style-type: none"> ❖ Analyze the reciprocal of a number or term and write it as a negative or fractional exponent. ❖ Topic- Numbers – Map Ratio ❖ To use proportion and work out the ratio for maps ❖ To work out the missing length/area and volume using map scale. 	<ul style="list-style-type: none"> ❖ Research on application of indices and its importance in real life. 	<ul style="list-style-type: none"> ❖ https://www.matrix.edu.au/beginners-guide-year-9-maths/part-3-indices/ ❖ https://www.hackmath.net/en/world-math-problems/map-scale ❖ https://thirdspacelearning.com/gcse-maths/algebra/laws-of-indices/ https://www.transum.org/Maths/Exercise/Indices/
PHYSICS	<ul style="list-style-type: none"> ❖ Topic- Energy ❖ Would be able to analyze law of conservation of energy ❖ would be able to explain energy changes in daily life ❖ Would be able to calculate efficiency would be able to explain energy changes in matter and its effect such as internal energy ❖ Would be able to calculate kinetic energy and potential energy would be able to explain energy changes in falling bodies 	<p>Activities - Inspire your child to:</p> <ul style="list-style-type: none"> ❖ Analyze and explore about the various types of energy around you. ❖ Identify and research the basic source of energy and how energy is converted from one form to another. ❖ Research on loss of energy when a machine works and hence the efficiency of a system. 	<ul style="list-style-type: none"> ❖ https://www.britannica.com/science/conservation-of-energy ❖ http://www.bbc.co.uk/schools/gcsebitesize/science/aqa_pre_2011/energy/heatrev6.shtml ❖ http://examples.yourdictionary.com/law-of-conservation-of-energy-examples.html



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CHEMISTRY	<ul style="list-style-type: none">❖ Topics: Formulae for compounds❖ To recall the use of crisscross methods to write the correct formulas for ionic compounds.❖ To revise the electronic structure for ions and deduce the charges for a given element.❖ Deduce the formulae of ionic compounds having polyatomic ions. (Including oxides, hydroxides, halides, nitrates, carbonates and sulfates) given the formulae of the constituent ions	Activity: Motivate your child to: <ul style="list-style-type: none">❖ Read the context and summarise your understanding writing at least 5 points.❖ List some useful compounds and write their correct formulae by criss-cross methods.	<ul style="list-style-type: none">❖ https://www.sporcle.com/games/jmsk09/compound_chemical_formula1❖ https://www.purposegames.com/game/writing-chemical-formula❖ https://www.quia.com/rr/180365.html❖ https://www.bbc.co.uk/bitesize/guides/zqrxbk/revision/2❖ https://www.bbc.co.uk/bitesize/guides/zcpxfcw/revision/3❖ https://www.britannica.com/science/chemical-formula❖ https://www.bbc.co.uk/bitesize/articles/zmsk4xs#zvktxbk
BIOLOGY	Topic: Human Nutrition <ul style="list-style-type: none">❖ To justify structural and functional adaptation of digestive organs.	Activities: Along with your child <ul style="list-style-type: none">❖ Create a model of the digestive system using everyday materials (e.g., plastic tubing for intestines, balloons for the stomach). They can	<ul style="list-style-type: none">❖ https://www.bbc.co.uk/bitesize/guides/z92dj6f/revision/2



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	<ul style="list-style-type: none"> ❖ To elaborate the causes, supplements for various deficiency disorders. <p style="text-align: center;">Ecology</p>	<p>label each part and explain its function in the digestion process.</p> <ul style="list-style-type: none"> ❖ Assign each member of the family a specific nutrient (e.g., vitamin C, iron, fibre). They research its functions, sources, and the effects of deficiency or excess. Students present their findings to the class. 	<ul style="list-style-type: none"> ❖ https://www.bbc.co.uk/bitesize/guides/z92dj6f/revision/4 ❖ https://www.bbc.co.uk/bitesize/guides/z92dj6f/revision/3 ❖ https://www.bbc.co.uk/bitesize/guides/z92dj6f/revision/5
<p>ISLAMIC STUDIES (Arabs)</p>	<ul style="list-style-type: none"> ❖ Identify the various trophic levels in ecosystem 2) Describe the transfer of energy between various trophic levels ❖ Identify producers, consumers, predators and prey in a given food web. 4) To analyse the use of food chains & food webs to describe the impact humans have through over-harvesting of food species. 	<p>Activities: Assign</p> <ul style="list-style-type: none"> ❖ Different roles among the member of the family (e.g., producer, primary consumer, secondary consumer) and simulate a food web with each member representing a different organism. 	<ul style="list-style-type: none"> ❖ https://www.learner.org/wp-content/interactive/envsci/ecology/ecology.html ❖ https://www.bbc.co.uk/bitesize/guides/zs7gw6f/revision/1



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<p>ARABIC (Arabs)</p>	<p>Topic: شعر في مكارم الأخلاق - قصة العباة - الأفعال التي تنصب مفعولين Learning Objectives: 1. يحدد المعنى الإجمالي للأبيات 2. يستخرج الصور الجمالية في الأبيات 3. يحلل القصة تحليلًا فنيًا وأدبيًا 4. يستنتج الفكرة العامة والأفكار الجزئية للقصة 5. يتعرف الأفعال التي تنصب مفعولين أصلهما المبتدأ والخبر 6. يعرب جملة الأفعال التي تنصب التي تنصب مفعولين أصلهما المبتدأ والخبر إعرابًا تامًا</p>	<p>Activities: 1. يوظف مفردات الأبيات في سياق لغوي جدي 2. يحدد الأفكار التي تدور حولها الأبيات 3. يضع نهاية مختلفة للقصة 4. يبدي رأيه في مضمون القصة 5. يوظف الأفعال التي تنصب مفعولين في فقرة من إبداعه 6. يبحث عن شواهد تتضمن الأفعال التي تنصب مفعولين أصلهما المبتدأ والخبر</p>	<p>❖ https://seraj-uae.com/file/2473/ https://seraj-uae.com/file/59/#7 https://seraj-uae.com/file/72/#2</p>
<p>ARABIC (Non- Arabs)</p>	<p>Topic: Smoking Learn objectives: ❖ To describe the types of smoking ❖ To deduce the dangers of smoking. ❖ To create a report and an article about the harms and causes of smoking.</p>	<p>Activities: Motivate your child to ❖ Creates a video about the harms of smoking, drugs and addiction. ❖ Writes signs about the harms of smoking. ❖ Regulates potency to explain the causes and harms of drugs. ❖ Provides advice to smokers and addicts.</p>	<p>❖ https://youtu.be/jQZo-dayZMY?si=RMx9_2t8dt4to4O3 ❖ https://youtu.be/AiMTAF4oZcw?si=RuHvBxydmUFC60Uh</p>



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	<ul style="list-style-type: none"> ❖ To express his opinion on the problem of smoking. ❖ To establish a dialogue with a smoker. ❖ To design signs about the dangers of smoking. ❖ To give advice to the smoker. ❖ To Describe how he or she feels about living in a smoking/non-smoking environment ❖ To create a full-fledged story about a smoker. ❖ To clarify the role of the UAE in reducing smoking. 	<ul style="list-style-type: none"> ❖ Create a mental map of the causes of smoking. ❖ Write a letter about the harms of drugs. ❖ Dialogue with a doctor about the dangers of smoking. 	<ul style="list-style-type: none"> ❖ https://www.youtube.com/watch?v=JRKkCu84XFo ❖ https://youtu.be/E_BAg1NyBwE?si=sXYXtZ3U9q1YcCI7 ❖ https://youtu.be/Hc4QMoh3g7Q?si=K8WdIMw-QwWnyA_5 ❖ https://youtu.be/ByqkYKNfsNU?si=MH755FNNdq9bwYFg
<p>ISLAMIC STUDIES (Non- Arabs)</p>	<p>** Al-Hajj- The Pilgrimage</p> <ul style="list-style-type: none"> ❖ To explain the meaning and rulings of Hajj. ❖ To identify the rituals and acts of Hajj performed by Prophet Muhammad(s) ❖ Permissible (Halal) and (Haram)Forbidden Foods and Drinks ❖ To elucidate the types and prohibition of haram food (by referencing Quran & Ahadeeth). 	<p>Activities: Along with your child</p> <ul style="list-style-type: none"> ❖ Watch a video talking about the rituals and acts of Hajj ❖ Learn how to give advice by play role and making posters ❖ Create a power point with the title “Guidelines to Halal and Haram food in Islam”. Support your answer with rules of fiqh and Ayat and Hadeeth. 	<ul style="list-style-type: none"> ❖ https://islamic-laws.com/fooddrinks.htm ❖ https://ing.org/resources/for-all-groups/calendar-of-important-islamic-dates/hajj-information-sheet/



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	<ul style="list-style-type: none"> ❖ To explore the link between science and religion (regarding pork and alcohol by giving example from Quran & Ahadeeth)) ❖ To evaluate the consequences of consuming haram food. (By giving examples from real life) ❖ A Muslim’s right on his brother ❖ To elucidate the importance of helping each other. (By referencing Ayat & Ahadeeth) ❖ To analyze the consequences of not helping others. (By referencing real life) ❖ To evaluate the benefits of helping others on an individual and society. (By giving examples from Seearh) 	<ul style="list-style-type: none"> ❖ Create a video about the rights on each other and explain the importance of helping each other by giving example from the life of Prophet (P.B.U.H) 	
PSHCEE	<p>Topic: Road Safety and Human Rights</p> <ul style="list-style-type: none"> ❖ Learning Objectives: ❖ To understand how some attitudes and behaviour can cause incidents ❖ To explore the concept of human rights 	<p>Activities:</p> <ul style="list-style-type: none"> ❖ Encourage your child to follow the guidelines when crossing the road or when travelling. ❖ Motivate your child to have a discussion on different human rights that are commonly violated. 	<ul style="list-style-type: none"> ❖ https://www.un.org/en/global-issues/human-rights#:~:text=Civil%20and%20political%20rights,-The%20International%20Covenant&text=It%20prohibits%20arbitrary%20d



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			<p>epriation%20of,of%20racial%20or%20religious%20hatred.</p>
MORAL EDUCATION	<p>Topic: Valuing Diversity</p> <ul style="list-style-type: none"> ❖ Learning Objectives: ❖ To understand the benefits and challenges of diversity within their community and across the UAE 	<ul style="list-style-type: none"> ❖ Activities: ❖ Motivate your child to have a discussion on the concept of equality and human rights, and how child labour contravenes these rights. ❖ Encourage your child to show respect to the different cultures and avoid prejudices. 	<ul style="list-style-type: none"> ❖ https://ae.insightss.co/uaes-cultural-mosaic-embracing-diversity/
HISTORY	<p>Topic: Russian Empire in the 19th Century</p> <ul style="list-style-type: none"> ❖ Learning Objectives- To examine the Russo Japanese War as a factor for Bloody Sunday. 	<ul style="list-style-type: none"> ❖ Activities: Motivate your child to have a discussion on, how far did Bloody Sunday bring changes in the political arena in Russia? 	<ul style="list-style-type: none"> ❖ https://www.facinghistory.org/resource-library/propaganda-during-world-war-i-appeal-you
GEOGRAPHY	<p>Topic: Plate Tectonic</p> <ul style="list-style-type: none"> ❖ LEARNING OBJECTIVES- To examine the structure and movement of tectonic plates. 	<p>Activities:</p> <ul style="list-style-type: none"> ❖ Along with your child, explain the effect of convection currents on the surface of the Earth. 	<ul style="list-style-type: none"> ❖ https://www.amnh.org/exhibitions/natures-fury-natural-disasters/volcanoes ❖ https://www.amnh.org/exhibitions ❖ https://www.youtube.com/watch?v=VNGUdObDoLk



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UAE STUDIES SOCIAL	Topic: – African resources and economy <ul style="list-style-type: none">❖ Learning Objectives- To examine the economic growth of Kenya.	Activities: Motivate your child to answer the following questions: <ul style="list-style-type: none">❖ What is the major export of Kenya?❖ Make a comparison of the tea plantations of Kenya with Munnar valley in India.❖ Why would China want to support transportation & development in Kenya? Explain.	❖ Yr. 9 UAE SST textbook
FRENCH	Topic: Au restaurant <ul style="list-style-type: none">❖ Learning Objectives:❖ To exchange information and opinions about meals and eating habits.❖ To communicate while buying food in different types of shops❖ To order drinks and snacks in a cafe or a restaurant❖ To use quantity expressions and forms of “le conditionnel présent”	Activities: Encourage your child to <ul style="list-style-type: none">❖ Prepare a role play based on these instructions:❖ Vous allez au restaurant en France avec un(e) ami(e).❖ Saluez l'employé(e). Dites que vous voudriez une table pour deux personnes.❖ Dites ce que vous voudriez comme plat principal pour vous et votre ami(e).❖ Commandez deux sortes de légumes différentes.	<ul style="list-style-type: none">❖ www.Languagenut.com❖ https://www.french-games.net❖ www.language-gym.com❖ www.quizlet.com❖ www.francaisfacile.com❖ www.tv5monde.fr❖ www.france5.fr❖ www.duolingo.com



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		<ul style="list-style-type: none"> ❖ Commandez 2 boissons différentes pour vous et votre ami(e). ❖ Vous cherchez les toilettes. Posez une question appropriée. 	
ICT	<p>Topic: Data representation</p> <p>❖ <u>Learning Objectives:</u></p> <ul style="list-style-type: none"> ❖ To understand how and why computers use binary to represent all forms of data ❖ To explore the importance of the denary, binary and hexadecimal number systems and its conversion from one form to the other. 	<p>Activities: Motivate your child to answer the following questions:</p> <ul style="list-style-type: none"> ❖ Research and explain the different number systems. ❖ Research and understand the basic concept of hexadecimal number system. ❖ Convert a hexadecimal number into decimal and explain the steps of conversion. 	<ul style="list-style-type: none"> ❖ Binary/Decimal/Hexadecimal Converter
STEAM	<p>❖ <u>Topic: Smart Lighting System</u></p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> ❖ To investigate about smart lighting grids and what makes them energy efficient. 	<p>Activities: Motivate your child to</p> <ul style="list-style-type: none"> ❖ Research the benefits of smart lighting systems and investigate how it is energy efficient. ❖ Xplore the working of Smart Lighting Systems. ❖ Research on the Best Smart Lighting Systems for 2022. 	<ul style="list-style-type: none"> ❖ The Best Smart Lighting Systems for 2023 - All Home Robotics



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		<ul style="list-style-type: none">❖ Create a presentation that shows the functions of various Smart Lighting Systems and how they are different from each other.	
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