



The Winchester School

Year 9- Family Learning Newsletter – February – 2024

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SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	<p><u>Topic: Article Writing</u></p> <p><u>Learning Objectives:</u></p> <ul style="list-style-type: none">To examine relevant ideas and features in article writing.	<p>Activity: Encourage the students to analyse the following in any one of the given articles</p> <ul style="list-style-type: none">the hook and how it engages readersthe context and background information and how they have been presentedthe thesis statement and how it clearly reflects the purposedevelopment of arguments and how it engages the readerslinking of ideas using transitional vocabularyregister of the articlelanguage choiceconclusion and how it links to the thesis statement	<ul style="list-style-type: none">https://www.nationalgeographic.com/https://www.bbc.com/news/topics/c5vz82vqnr1thttps://www.bbc.com/news/science_and_environment



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<p>MATHS</p>	<p><u>TOPIC: Transformation</u></p> <p><u>LEARNING OBJECTIVES</u></p> <ul style="list-style-type: none">• Reflect, rotate, translate and enlarge shapes.• Describe the transformations given the object and image.• Perform different transformations on an object. <p><u>TOPIC: Averages</u></p> <p><u>LEARNING OBJECTIVES</u></p> <ul style="list-style-type: none">• Calculate median and mode from a frequency table.• Calculate the mean, median and mode from the grouped data.	<p>Activities: Encourage your child to</p> <ul style="list-style-type: none">• Create interactive foldable notes(lapbook) on transformations• Create a transformation of Logos of cars seen in UAE.• Research and explore the effects of applying various transformations to a shape <p>Motivate your child to answer the following questions:</p> <ul style="list-style-type: none">• A reflection puzzles. The left sandal is reflected across a line drawn between two points in the grid to make a right sandal. Can you move A and B to find the line of reflection?• Play golf using transformation using mobile or PC's. Try to get the golf ball into the hole with the least number of moves.• The numbers on five houses next to each other add up to 100.What are those five numbers?	<ul style="list-style-type: none">• https://www.youtube.com/watch?v=u6iFS6uI4_w• https://mathsmadeeasy.co.uk/gcse-maths-revision/transformations-gcse-revision-and-worksheets/• https://www.onlinemathlearning.com/transformation-games.html• https://www.transum.org/Software/SW/Sarter_of_the_day/Similar.asp?ID_Topic=5• https://corbettmaths.com/wp-content/uploads/2015/03/linear-interpolation.pdf
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BIOLOGY	<p><u>TOPIC- Co-ordination and response</u></p> <p><u>LEARNING OBJECTIVES-</u></p> <ul style="list-style-type: none">• Investigation on measuring the reaction time.• To describe the Structure of CNS is made up of the brain and spinal cord; receptors, different types of neurones, coordinator as brain or spinal cord, effectors, synapses.• Explain the importance of reflex actions and give examples.	<p>Encourage your child to:</p> <ul style="list-style-type: none">• Plan and carry out an investigation into the effect of a factor on human reaction time .• Relate the concept of reflex arc & encourage students to create an infographic poster on the same using few examples.	<ul style="list-style-type: none">• https://www1.health.gov.au/internet/publications/publishing.nsf/Content/drugtreat-pubs-front6-wk-toc~drug• https://study.com/academy/lesson/how-drugs-affect-the-brain-nervous-system.html• https://www.forbes.com/sites/thomaspellechia/2019/07/24/alcohol-research-study-results-may-depend-on-which-group-backs-them/• https://bmcpublichealth.biomedcentral.com/articles/10.1186/1471-2458-10-789• https://www.youtube.com/watch?v=Fm02i4vEi5Q• https://www.toppr.com/guides/biology/neural-control-and-coordination/reflex-action-and-reflex-arc/
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<p>CHEMISTRY</p>	<p><u>TOPIC: Heat Energetics of a reaction (Exothermic/Endothermic)</u></p> <p><u>LEARNING OBJECTIVES:</u></p> <ul style="list-style-type: none">• To outline the meaning of exothermic and endothermic reactions.• To interpret energy level diagrams showing exothermic and endothermic reactions. <p><u>TOPIC: Reactivity of Metals</u></p> <p><u>LEARNING OBJECTIVES:</u></p> <ul style="list-style-type: none">• To understand the order of reactivity of metals and carbon.• To investigate and arrange the reactivity of different metals and carbon in the reactivity series.	<p>Activity: Encourage your child to Read the context and summarise your understanding writing at least 5 points.</p> <p>https://www.thoughtco.com/physical-and-chemical-changes-examples-608338</p> <ul style="list-style-type: none">• Motivate & talk to your child about why sodium is stored under oil.• Encourage your child to discuss why rusting of iron is a slow process. Compare its reactivity with that of sodium or group-1 elements.• Encourage your child to identify the reactivity of different metals and arrange it from most reactive to least reactive metals. Based on the reactivity of metals discuss with them what are the different ways extracting these metals.• Encourage your child to identify the reactivity of different metals and arrange it from most reactive to least reactive metals.	<ul style="list-style-type: none">• https://www.bbc.co.uk/bitesize/guides/zw_d2mp3/revision/5• https://www.thoughtco.com/physical-and-chemical-changes-examples-608338• https://www.bbc.com/bitesize/guides/zcx_n82p/revision/1• https://www.youtube.com/watch?app=desktop&v=-R2eNZRzg7Q• https://www.youtube.com/watch?v=TGP_PPFczOj0• https://www.youtube.com/watch?v=2i5Lm7BMtpo
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PHYSICS	LEARNING OBJECTIVES: <ul style="list-style-type: none">To identify the power rating of common household electrical devices.To calculate the amount of energy transferred from the mains.To calculate the cost of mains electricity given the cost per kilowatt-hour (kWh).	<ul style="list-style-type: none">Encourage your child to think of ways by which electrical energy is consumed in daily life.Motivate your child to research how electrical energy is used in houses is measured and recorded.Encourage your child to analyse and calculate how cost is determined by usage of electrical energy.	<ul style="list-style-type: none">http://www.bbc.co.uk/schools/gcsebitesize/science/aqa/energyefficiency/electricalappliancesrev1.shtmlhttps://www.hunker.com/12003848/the-uses-of-electric-energyhttps://www.energy.gov/energysaver/estimating-appliance-and-home-electronic-energy-use
ISLAMIC STUDIES (Arabs)	Topic: الحلال بيّن - لا للانتحار Learning Objectives: يُبين المتعلّم الهدايات الواردة في الحديث الشريف.	Activities: <ol style="list-style-type: none">يفسر المفردات الجديدة في الحديث.يُبين أنواع الأحكام الشرعية وفقاً للحديث.	<ul style="list-style-type: none">https://www.youtube.com/watch?v=w_Sh_rth_R1shttps://www.youtube.com/watch?v=WfV7fnmd9Sg



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	3. يوضح العلاقة صلاح الجوارح وسلامة القلب. 1. بيان مكانة النفس البشرية في الإسلام. 2. تخمين أسباب لجوء بعض الناس للانتحار. 3. اقتراح حلول لمشكلة الانتحار	
ARABIC (ARABS)	Topic: الاستعارة - التوكيد - قصة العباءة يشرح مفهوم الاستعارة يعين الاستعارة في الأمثلة المختلفة يميز بين الاستعارة المكنية والتصريحية يتعرف التوكيد وأنواعه يعرب جملة التوكيد إعرابًا تامًا يحلل قصة العباءة تحليلًا فنيًا يقارن بين قصة العباءة وغيرها من النصوص في نفس الغرض.	<ul style="list-style-type: none">• https://www.youtube.com/watch?v=O_RnbfRFz8A• https://www.youtube.com/watch?v=joC0b_4quhc• https://www.youtube.com/watch?v=-XCCw_S0ehY• https://www.youtube.com/watch?v=rXwv5C17bAY



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ARABIC (Non- Arabs)	Topic: Healthy and unhealthy food Learning Objectives: <ul style="list-style-type: none">• To determine the menu of healthy food.• To explain the benefits of healthy food.• To describe unhealthy food.• To explain the harms of unhealthy food.• To compare healthy and unhealthy foods.• To describe the diet.• To analyze the text literary and linguistic.• To use literary and rhetorical methods.	Activities: <ul style="list-style-type: none">• Encourage your child to design a mind map about healthy foods.• Motivate your child to design a mind map of unhealthy foods.• Encourage your child to create a conversation in a restaurant about healthy food.• Motivate your child to record a video with the family about healthy and unhealthy food (benefits and harms).• Motivate your child to educate their friends about the dangers of fast food & to eat healthy foods.	<ul style="list-style-type: none">• https://www.youtube.com/watch?v=o55-91tdd1I• https://www.youtube.com/watch?v=ZFoS-m-Ln6MM&t=3s• https://www.youtube.com/watch?v=uDR2BPhSaeI• https://www.youtube.com/watch?v=Ay0F-c_5KEQ• https://www.youtube.com/watch?v=mDiQ3i7NrQ0• https://www.youtube.com/watch?v=Fa3giR1vnIo• https://www.youtube.com/watch?v=5HEFCwXDi10• https://www.youtube.com/watch?v=fAt9YHETkgw
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<p>ISLAMIC STUDIES</p> <p>(Non- Arabs)</p>	<p><u>TOPIC – Ethical Advice and Instructions</u></p> <p><u>LEARNING OBJECTIVES</u></p> <ul style="list-style-type: none">• Interpret the ayat in their own words• Indicate types of people on the Days of Judgement• Indicate the imports of the ayat• Infer the values contained in the Holy verses <p><u>TOPIC-Waqiah 27- 56</u></p> <p><u>LEARNING OBJECTIVES-</u></p> <ul style="list-style-type: none">• Interpret the Hadeeth in their own words• Infer the guidelines contained in the Hadeeth• Indicate the relationship between the belief in Allah (S.W.T) and fear of Him in private and Public• Analyse the effects of forbidden acts.	<p>Activities:</p> <ul style="list-style-type: none">• Encourage your child to research and write about the Health values of eating fruit before having the main course of meals that include meat.• Motivate your child to research the kinds of Atheism that have spread in these times and compare them to the deniers of Resurrection, then explain how to respond to them, with reference to Ayat.	<ul style="list-style-type: none">• https://www.youtube.com/watch?v=GOVdJSfiCOc
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PSHCEE	<p><u>Topic: Child Rights</u></p> <p><u>Learning Objectives:</u></p> <ul style="list-style-type: none">• To explore the different rights of children.• To identify the rights of children that are commonly violated.	<p>Activities:</p> <ul style="list-style-type: none">• Discuss with your child the different rights they have and integrate it with the corresponding responsibilities.	<ul style="list-style-type: none">• https://www.youtube.com/watch?v=HCYLdtug8sk
MORAL EDUCATION	<p><u>Topic: The Growth of Consultative government in the UAE</u></p> <p><u>Learning Objectives:</u></p> <ul style="list-style-type: none">• To recognise key developments in the growth of government at local and national levels in the UAE.	<p>Activities:</p> <ul style="list-style-type: none">• Share with your child about the six leaders and how they shaped the UAE.• Encourage your child to read on the local governance and the impact they have on decision making.• Discuss with your child about the governments, both federal and local, and the UAE's amalgamation of both traditional and modern politics	<ul style="list-style-type: none">• http://gulfnews.com/news/uae/society/six-leaders-and-how-they-helped-shape-uae-1.1937162



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HISTORY	<p><u>Topic: OPIC: Causes of War and Trench Warfare</u></p> <p><u>LEARNING OBJECTIVES-</u></p> <ul style="list-style-type: none">To examine the mechanism and rationale behind the trench warfare methods in WWI.	<ul style="list-style-type: none">Motivate your child to justify the given statement and answer the following question: The trenches were living hell and one of the worst features of WWI.	<ul style="list-style-type: none">https://www.bbc.co.uk/bitesize/articles/z6vff82#zpg33j6https://www.historyextra.com/
GEOGRAPHY	<p><u>TOPIC: Our Restless Planet</u></p> <p><u>LEARNING OBJECTIVES-</u></p> <ul style="list-style-type: none">To analyse the of concepts of tectonic Movements and Volcanoes	<p>Activities: Motivate your child to answer the following questions:</p> <ul style="list-style-type: none">Analyze the creation of Himalayas; Is UK and USA getting further apart or moving closer? Why?What is happening between Indian plate and the Eurasian Plate?Analyse the formation of the Andes mountain range.	<ul style="list-style-type: none">https://www.nationalgeographic.com/science/article/plate-tectonicshttps://www.bbc.co.uk/bitesize/topics/zn476sg/articles/zrcgr2p#z2772v4



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UAE SOCIAL STUDIES	<p><u>TOPIC: The indigenous people of North America</u></p> <p><u>LEARNING OBJECTIVES-</u></p> <ul style="list-style-type: none">To analyse the tools and inventions of the indigenous people of North America.	<p>Activities:</p> <ul style="list-style-type: none">Motivate & guide your child to answer the following question: Why were the indigenous people of North America called ‘Indians’ by the European explorers of the 15th century?	<ul style="list-style-type: none">UAE SST MOE Text Book for yr 9
FRENCH	<p><u>Topic: A la boutique</u></p> <p><u>Learning Objectives:</u></p> <ul style="list-style-type: none">To understand information about shops and services.To shop for clothes and souvenirs.To specify and modify requirements.	<p>Activities:</p> <ul style="list-style-type: none">Encourage your child to create a vocabulary booklet based on extended shopping vocabulary.https://quizlet.com/560419550/faire-du-shopping-flash-cards/?newhttps://quizlet.com/560419851/faire-du-shopping-2-flash-cards/?new <p>Encourage your child to watch and listen:</p> <ul style="list-style-type: none">https://www.youtube.com/watch?v=QJxRwhBIQxI	<ul style="list-style-type: none">www.languagenut.com/www.language-gym.comwww.francaisfacile.comwww.linguascope.comwww.atantot-extra.co.ukhttps://www.youtube.com/watch?v=XF6XO81QNeY



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ICT	<p><u>Topic: JAVASCRIPT</u></p> <p><u>LEARNING OBJECTIVES-</u></p> <ul style="list-style-type: none">• To explore the JavaScript data types and operators.• To implement logical reasoning to compare the utility of algorithms.• To use console.log in a Java script code.• To use comparison operators ('<', '>', '==', '!=') in a JavaScript code	<p>Activities: Motivate your child to</p> <ul style="list-style-type: none">• Research and explain the different programming languages.• Read and understand the basic concept of data types in JavaScript• Create a simple JavaScript program and explain the purpose of JavaScript and its applications.	<ul style="list-style-type: none">• https://www.w3schools.com/js/default.asp• https://www.khanacademy.org/computer-programming/defining-your-own-functions-javascript/877982168
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STEAM	<p><u>Topic: SAM LAB- Passcode</u></p> <p><u>Learning Objectives:</u></p> <ul style="list-style-type: none">• To recognize the importance of creating a secure password/passcode for protecting personal information and how to create one.• To integrate and exhibit learning by programming systems using AND logic blocks that require input of a specific passcode in order for the output to be activated.	<p>Activities: Along with your child -</p> <ul style="list-style-type: none">• Recognize the importance of creating a secure password for protecting personal information.• Discuss the importance of using a mixture of letters, numbers and symbols when formulating a password.• Design a system that requires a passcode to illuminate an RGB LED.• Create a report on how passcode systems work.	<ul style="list-style-type: none">• https://samlabs.com/us/
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