



The Winchester School

Year 9- Family Learning Newsletter – February - 2023

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	TOPIC: Summary Writing LEARNING OBJECTIVES- <ul style="list-style-type: none"> ➤ To select and analyse key ideas from the given excerpts to compose a summary. 	Motivate your child to <ul style="list-style-type: none"> ✓ Analyse at least extracts from the given links. ✓ Underline the key ideas. ✓ Create a topic sentence based on the key ideas or main purpose of the summary. ✓ Rephrase key elements in own words and add connectives to compose a summary within 120 words. ✓ Refer back to the main text. Ensure that you have used your own words and have not lifted material from the text. 	https://www.nationalgeographic.com/ https://www.bbc.com/news/topics/c5vz82vqnr1t https://www.bbc.com/news/science_and_environment
MATHS	TOPIC: Inequalities <ul style="list-style-type: none"> ➤ To list integers that satisfy an inequality and solve more complex linear inequalities. ➤ Analyze and evaluate the compound inequality and represent answer on the number line. ➤ Analyse the problem and apply the correct inequality signs when dividing with negative numbers. TOPIC: Graphical Inequalities	Encourage your child to think about and research on the <ul style="list-style-type: none"> ✓ Speed limits on the highway, minimum payments on credit card bills, number of text messages that can sent each month from a cell phone, and the number of times it will take to get from home to school. All of these can be represented as mathematical inequalities. Often in real life we find ourselves in situations that can be represented mathematically by inequalities. For example, if we want to take a taxi, we may find that the charge is £1.50 standard charge plus 50p per mile. If we only have £20, then we can describe the situation with the following inequality:	https://www.youtube.com/watch?v=EE2qWlyjKD0 https://www.youtube.com/watch?v=9lPgYerNEyg https://www.youtube.com/watch?v=C19wU71kh5g https://www.youtube.com/watch?v=iT8NcVeyks4 https://www.youtube.com/watch?v=MIRviiX-4zA



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	<ul style="list-style-type: none">➤ To draw the inequality graph and shade the region that satisfies the given inequalities.➤ Analyze and evaluate problems on shading unwanted region in an inequality. <p><u>Transformation</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>Averages</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>$£1.5 + £0.5M \leq £20$</p> <ul style="list-style-type: none">✓ Create interactive foldable notes(lapbook) on transformations <p>Motivate your child to-</p> <ul style="list-style-type: none">✓ Create a transformation of Logos of cars seen in UAE.✓ Research and explore the effects of applying various transformations to a shape.✓ Think about a reflection puzzle. 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?	<p>https://www.youtube.com/watch?v=MIRviiX-4zA</p> <p>https://www.youtube.com/watch?v=ouNp8FtgiEE&t=464s</p> <p>https://www.youtube.com/watch?v=j1X_UIOvEwA&list=PL3763177C58C7B6E0</p> <p>https://www.youtube.com/watch?v=QlidsuO7UDQ&list=PL3763177C58C7B6E0&index=2</p> <p>https://www.youtube.com/watch?v=XdjH_EWhCZ0&list=PL3763177C58C7B6E0&index=4</p> <p>https://www.youtube.com/watch?v=Zc4tG5wIC4Y</p> <p>https://www.youtube.com/watch?v=r2EqrI-VEH8&t=85s</p> <p>https://www.youtube.com/watch?v=hMsg8TBMnzA&t=86s</p>
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<p>BIOLOGY</p>	<p>TOPIC: Co-ordination and response</p> <p>LEARNING OBJECTIVES-</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 neurons, coordinator as brain or spinal cord, effectors and synapses.➤ Explain the importance of reflex actions and give examples.	<p>Motivate 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 a few examples.	<p>https://www1.health.gov.au/internet/publications/publishing.nsf/Content/drugtreat-pubs-front6-wk-toc~drug</p> <p>https://study.com/academy/lesson/how-drugs-affect-the-brain-nervous-system.html</p> <p>https://www.forbes.com/sites/thomaspellicia/2019/07/24/alcohol-research-study-results-may-depend-on-which-group-backs-them/</p> <p>https://bmcpublichealth.biomedcentral.com/articles/10.1186/1471-2458-10-789</p> <p>https://www.youtube.com/watch?v=Fm02i4vEi5Q</p> <p>https://www.toppr.com/guides/biology/neural-control-and-coordination/reflex-action-and-reflex-arc/</p>
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CHEMISTRY	<p>TOPIC:</p> <ul style="list-style-type: none">➤ Heat Energetics of a reaction➤ Physical and chemical reactions➤ Rate of reaction➤ Order of reactivity of metals and carbon <p>LEARNING OBJECTIVES-</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.➤ To recall the type of physical and chemical changes, and understand the differences between them with suitable examples.➤ To identify the different factors affecting the rate of a reaction.➤ To understand what catalysts are and give their real-life uses.➤ To plan and investigate explain the effects of concentration, particle size, temperature, and catalysts on the rate of a reaction.	<p>Encourage your child to</p> <ul style="list-style-type: none">✓ Read the context and summarise your understanding by writing at least 5 points.✓ Discuss with your child what do they understand by slow, fast and very fast reactions. How do you measure the rate of a chemical reaction?✓ Talk to your child what are the different factors, which would affect the rate of a chemical reaction.	<p>https://www.bbc.co.uk/bitesize/guides/zwd2mp3/revision/5</p> <p>https://www.thoughtco.com/physical-and-chemical-changes-examples-608338</p> <p>www.chem4kids.com/files/react_rates.html</p> <p>http://www.bbc.co.uk/schools/gcsebitesize/science/add_edexcel/chemical_reactions/ratesrev2.shtml</p> <p>https://www.bbc.com/bitesize/guides/zcxn82p/revision/1</p> <p>https://www.thoughtco.com/physical-and-chemical-changes-examples-608338</p>
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	<p>➤ To investigate and arrange the reactivity of different metals and carbon in the reactivity series.</p>		
PHYSICS	<p>TOPIC: Electrical Energy</p> <p>LEARNING OBJECTIVES- Would be able to</p> <ul style="list-style-type: none">➤ identify the power rating of common household electrical devices➤ calculate the amount of energy transferred from the mains➤ calculate the cost of mains electricity given the cost per kilowatt-hour (kWh).	<p>Motivate your child to-</p> <ul style="list-style-type: none">✓ Think of ways by which electrical energy is consumed in daily life✓ Research how electrical energy is used in houses is measured and recorded✓ Analyse and calculate how cost is determined by usage of electrical energy	<p>http://www.bbc.co.uk/schools/gcs/ebitesize/science/aqa/energyefficiency/electricalappliancesrev1.shtml</p> <p>https://www.hunker.com/12003848/the-uses-of-electric-energy</p> <p>https://www.energy.gov/energysaver/estimating-appliance-and-home-electronic-energy-use</p>
ARABIC (Arabs)	<p>TOPIC: رحلة ابن بطوطة إلى الصين</p> <p>LEARNING OBJECTIVES-</p> <p>يحلل الطالب النص تحليلًا أدبيًا</p> <p>يكتب وصفًا عن رحلة قام بها إلى بلد معين</p> <p>أدوات نصب الفعل المضارع</p> <p>LEARNING OBJECTIVES-</p>	<p>✓ يكتب موضوعًا وصفيًا عن رحلة قام بها إلى أحد البلاد مستخدمًا التشبيه والاستعارة</p>	<p>https://www.google.com/search?q=%D8%B1%D8%AD%D9%84%D8%A9+%D8%A7%D8%A8%D9%86+%D8%A8%D8%B7%D9%88%D8%B7%D8%A9&rlz=1C1GC EU en-GBAE937AE937&sxsrf=AJOqlzUOp0gtt1VPO2COdnlH5J9dEyGEw:1673236069003&source=lnms&tbm=vid&sa=X&ved=2ahUKEwi1q5KMyrn8AhUPYqQEhUGtA-</p>



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	<p>يتعرف أدوات نصب الفعل المضارع يعربها مع الفعل المضارع يوظفها في كتاباته</p>	<p>يكتب فقرة قصيرة مستخدماً أدوات نصب الفعل المضارع</p>	<p>sQ_AUoAnoECAIQBA&biw=1280&bih=609&dpr=1.5#fpstate=ive&vid=cid:8ab31ece,vid:OnbodWSdOYM https://www.google.com/search?q=%D8%A3%D8%AF%D9%88%D8%A7%D8%AA+%D9%86%D8%B5%D8%A8+%D8%A7%D9%84%D9%81%D8%B9%D9%84+%D8%A7%D9%84%D9%85%D8%B6%D8%A7%D8%B1%D8%B9&rlz=1C1GCEU_en-GBAE937AE937&biw=1280&bih=609&tbm=vid&sxsrf=AJOqlzWzoBD8qYTCcDW68D5WHMJ2hBNxdg%3A1673236072662&ei=al67Y7CCKMivkdUP67OhEA&ved=0ahUKEwiv1vGNym8AhXIV6QEHetZCAIQ4dUDCA0&uact=5&oq=%D8%A3%D8%AF%D9%88%D8%A7%D8%AA+%D9%86%D8%B5%D8%A8+%D8%A7%D9%84%D9%81%D8%B9%D9%84+%D8%A7%D9%84%D9%85%D8%B6</p>
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			 %D8%A7%D8%B1%D8%B9&gs_lcp=Cg1nd3Mtd2l6LXZpZGVvEAMyBQgAEIAEMgUIABCABDIFCAAQgAQyBQgAEIAEMgUIABCA BDIFCAAQgAQyBQgAEIAEMgUI ABCABDIFCAAQgAQyBQgAEIA EOgQIlxAnOgsIABCABBCxAxCD AToICAAQsQMQgwE6CAgAEIA EELEDOgQIABBDUABY- 0ZghkxoAHAAeAGAAeoFiAGTLp IBDjAuNi4xNS4wLjEuMC4xmAE AoAEBwAEB&sclient=gws-wiz-video#fpstate=ive&vld=cid:e198f0c4,vid:N0BCtvZOPJq
<p style="text-align: center;">ARABIC (Non - Arabs)</p>	<p>TOPIC: Healthy and unhealthy food</p> <p>LEARNING OBJECTIVES-</p> <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. 	<p>Along with your child</p> <ul style="list-style-type: none"> ✓ Design a mind map of unhealthy foods. ✓ Discuss healthy food in a restaurant. ✓ Record a video with the family talking about healthy and unhealthy food (benefits and harms). ✓ Educate friends about the dangers of fast food. ✓ Encourage friends to eat healthy foods. ✓ Design a mind map about healthy foods. 	<p>https://www.youtube.com/watch?v=o55-91tdd1l</p> <p>https://www.youtube.com/watch?v=ZFoSm-Ln6MM&t=3s</p> <p>https://www.youtube.com/watch?v=uDR2BPhSaeI</p> <p>https://www.youtube.com/watch?v=Ay0F-c_5KEQ</p>



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	<ul style="list-style-type: none">➤ To analyze the text literary and linguistic.➤ To use literary and rhetorical methods.		https://www.youtube.com/watch?v=mDiQ3i7Nrq0 https://www.youtube.com/watch?v=Fa3giR1vnlo https://www.youtube.com/watch?v=5HEFCwXDi10 https://www.youtube.com/watch?v=fAt9YHETkgw
ISLAMIC STUDIES (Arabs)	<p>TOPIC: ما يحل وما يحرم من الطعام والشراب - العدل في الإسلام</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none">➤ يوضح الأطعمة التي أحلها الله والأطعمة التي حرمها الله➤ يحدد أنواع المحرمات➤ يبين مفهوم العدل➤ يحدد مجالات العدل	<ul style="list-style-type: none">✓ يستنتج قواعد إباحة أو تحريم الأطعمة والأشربة✓ يحلل أسباب النهي عن بعض المحرمات✓ يستنتج ثمرات العدل✓ يدلل على قيمة العدل من خلال النصوص المقدسة	https://www.youtube.com/watch?v=WWqbilM1cMY https://www.youtube.com/watch?v=raka8lvKv6s
ISLAMIC STUDIES (Non- Arabs)	<p>TOPIC:</p> <p>Ethical Advice and Instructions</p> <p>Waqiah 27- 56</p>	<p>Encourage your child to</p> <ul style="list-style-type: none">✓ Research and write about the Health values of eating fruit before having the main course of meals that include meat.	https://www.youtube.com/watch?v=GOVdJSfICOc



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	<p>LEARNING OBJECTIVES-</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 ➤ 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 ➤ Anllyze the effects of forbidden acts. 	<p>✓ 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.</p>	
PSHCEE	<p>TOPIC: Child Rights</p> <p>LEARNING OBJECTIVES-</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>Along with your child discuss the different rights they have and integrate it with the corresponding responsibilities</p>	<p>https://www.youtube.com/watch?v=HCYLdtug8sk</p>
MORAL EDUCATION	<p>Topic: The Growth of Consultative government in the UAE</p> <p>LEARNING OBJECTIVES:</p>	<p>Motivate your child to</p> <p>✓ Read and discuss about the six leaders and how they shaped the UAE.</p>	<p>http://gulfnews.com/news/uae/society/six-leaders-and-how-they-helped-shape-uae-1.1937162</p>



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	To recognise key developments in the growth of government at local and national levels in the UAE.	<ul style="list-style-type: none"> ✓ Research on the local governance and the impact they have on decision making. <p>Talk about the governments, both federal and local, and the UAE's amalgamation of both traditional and modern politics</p>	
HISTORY	<p>TOPIC: Causes of War and Trench Warfare</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To examine the mechanism and rationale behind the trench warfare methods in WWI 	<p>Help your child to write the answer to the following question: Justify: The trenches were living hell and one of the worst features of WWI.</p>	<p>http://www.historyextra.com</p> <p>https://schoolhistory.co.uk/resources/year/ks3</p> <p>www.bbc.com/bitesize/guides/z9s9q6f/revision/2</p>
GEOGRAPHY	<p>TOPIC: Our Restless Planet</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To analyse the of concepts of tectonic Movements and Volcanoes 	<p>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. 	<p>https://www.nationalgeographic.com/science/article/plate-tectonics</p> <p>https://www.youtube.com/watch?v=_Ugwf6laE_k</p> <p>https://www.bbc.co.uk/bitesize/guides/zyhv4wx/revision/1</p> <p>https://www.youtube.com/watch?v=VNGUdObDoLk</p>



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			https://www.amnh.org/exhibitions/natures-fury-natural-disasters/volcanoes
UAE SOCIAL STUDIES	<p>TOPIC: The indigenous people of North America</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> ➤ To analyse the tools and inventions of the indigenous people of North America. 	<p>Guide your child to answer the following question:</p> <p>Why were the indigenous people of North America called 'Indians' by the European explorers of the 15th century?</p>	UAE SST MOE Text Book for yr 9
FRENCH	<p>TOPIC: A la boutique</p> <p>LEARNING OBJECTIVES-</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>✓ Encourage your child to create a vocabulary booklet based on extended shopping vocabulary</p> <p>https://quizlet.com/560419550/faire-du-shopping-flash-cards/?new</p> <p>https://quizlet.com/560419851/faire-du-shopping-2-flash-cards/?new</p> <p>Look and listen:</p> <p>https://www.youtube.com/watch?v=QJxRwhBIQxl</p> <p>https://www.youtube.com/watch?v=XF6XO81QNeY</p>	<p>www.language-gym.com</p> <p>www.francaisfacile.com</p> <p>www.linguascope.com</p> <p>www.atantot-extra.co.uk</p> <p>vocabulary games</p> <p>www.languagesonline.org.uk</p> <p>good for vocabulary and grammar</p>



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		Get inspired and then make up your own dialogue and record a podcast or make a video.	
ICT	<p>TOPIC: JAVASCRIPT</p> <p>LEARNING OBJECTIVES-</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 Javascript code ➤ To use comparison operators ('<', '>', '==', '!=') in a Javascript code 	<p>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 	<p>https://www.w3schools.com/js/default.asp</p> <p>https://www.khanacademy.org/computer-programming/defining-your-own-functions-javascript/877982168</p>
STEAM	<p>TOPIC: SAM LAB- Passcode</p> <p>LEARNING OBJECTIVES-</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 	<p>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. 	<p>https://samllabs.com/us/</p>



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	passcode in order for the output to be activated.		
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