



The Winchester School

Year 9- Family Learning Newsletter – March – 2024

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SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	Topic: Figurative Language in Poetry Learning Objectives: <ul style="list-style-type: none">To further develop an understanding on the elements and poetic tools used to compose and analyse poetry.	Activity: <ul style="list-style-type: none">Encourage your ward to explore and include their senses in their writing through metaphor, simile, oxymoron and pathetic fallacy - a powerful way to learn more about their inner thoughts.Encourage your child to think about colors, while imagining what they taste, feel, smell, sound, and look like.Encourage your child to use their five senses as a prewriting tool to guide their poetry writing before drafting.Motivate them to compose a poem on emotional wellbeing or any one of the SDG goals using these elements.	<ul style="list-style-type: none">https://study.com/academy/lesson/understanding-figurative-language-in-poetry.htmlhttps://sdgs.un.org/goals
MATHS	TOPIC: Inequalities Learning Objectives:	Activities Cross-curricular Activity – Encourage your child to relate & apply the following.	<ul style="list-style-type: none">www.mathworksheets4kids.com/inequalities.phphttps://www.mathsisfun.com/algebra/inequality-solving.html



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	<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. <p>TOPIC: Mensuration</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• Calculate the Area and Perimeter of Compound Shapes.• Analysing – calculating the Volume and surface area of the prisms.• Drawing net of the prisms.	<ul style="list-style-type: none">• Speed limits on the highway, minimum payments on credit card bills, number of text messages you can send each month from your cell phone, and the amount of time 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: $£1.5 + £0.5M \leq £20$• Encourage your child to create a booklet on key concepts of the straight-line equation.• Motivate your child to Investigate the relationship between the independent and	<ul style="list-style-type: none">• http://www.softschools.com/math/algebra/inequalities/• https://www.mathsisfun.com/algebra/graphing-linear-inequalities.html• https://www.mathworksheets4kids.com/worksheets/8th-grade/volume-surfacearea/customary/surfacearea-prisms-cylinders-decimals-1.pdf• https://www.mathsisfun.com/activity/garden-area.html
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	<ul style="list-style-type: none">Calculating Circumference and Area of Circle.	<p>dependent variable of a straight lines with different slopes.</p> <ul style="list-style-type: none">Error Analysis: This lesson starter presents a number of questions on surface area and volume of the prism and pupils are asked if they can spot the mistake.Encourage your child to use the link given to visualise 3d shapes to calculate surface area and volume.Cross curricular: Real life application on designing the packing box, application in Physics, Atomic structure, Architecture.Encourage your ward to Challenge & select any one real life situation: Design and apply your mensuration skills to calculate: - Amount of paint required to cover a certain surface area. -Fencing needed for the perimeter of a garden. -Volume of soil needed to fill in a ditch. -The distance around a circular race track.	
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BIOLOGY	<p>TOPIC- Co-ordination and response</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none">Investigation on measuring the reaction timeTo 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>Activities: 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~drughttps://study.com/academy/lesson/how-drugs-affect-the-brain-nervous-system.htmlhttps://www.forbes.com/sites/thomaspellechia/2019/07/24/alcohol-research-study-results-may-depend-on-which-group-backs-them/https://bmcpublichealth.biomedcentral.com/articles/10.1186/1471-2458-10-789https://www.youtube.com/watch?v=Fm02i4vEi5Qhttps://www.toppr.com/guides/biology/neural-control-and-coordination/reflex-action-and-reflex-arc/
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CHEMISTRY	<p>Topic: Order of reactivity of metals and carbon</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">To investigate and arrange the reactivity of different metals and carbon in the reactivity series. <p>Topic: Rock cycle</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">Describe how three types of rocks are formed.	<p>Activities:</p> <ul style="list-style-type: none">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.Discuss with your child about the different types of rocks, how are they formed, and give examples.Motivate your child about the real-life uses of different types of rocks.	<ul style="list-style-type: none">https://www.bbc.com/bitesize/guides/zcxn82p/revision/1https://www.youtube.com/watch?app=desktop&v=-R2eNZRzg7Qhttps://www.youtube.com/watch?v=TGPPPFczOj0https://www.youtube.com/watch?v=2i5Lm7BMtpohttps://www.bbc.co.uk/bitesize/guides/zwd2mp3/revision/5https://www.youtube.com/watch?v=kXV7D89S9schttp://www.cotf.edu/ete/modules/msese/earthsysflr/rock.html
PHYSICS	<p>Topic: Heat Transfer</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">To describe methods of heat transferTo explain methods of reducing heat transfer	<p>Activities:</p> <ul style="list-style-type: none">Encourage your child to research on ways by which energy can be transferred from one object to another.	<ul style="list-style-type: none">http://www.bbc.co.uk/schools/gcsebitesize/science/aqa_pre_2011/energy/heatre1.shtml



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	<ul style="list-style-type: none">To compare and contrast different modes of heat transfer	<ul style="list-style-type: none">Motivate your child to think of ways to retain energy within a system and ways to reduce lossEncourage your child to analyze how energy is transmitted from Sun to earth.	<ul style="list-style-type: none">http://coolcosmos.ipac.caltech.edu/cosmic_classroom/light_lessons/thermal/transfer.htmlhttp://www.warmup.com/blog/keeping-the-heat-in-how-to-stop-heat-loss-in-your-home
ISLAMIC STUDIES (Arabs)	<p>Topic: الإيمان فضل من الله (سورة الحجرات)</p> <p>المنهج النبوي في تربية الجيل</p> <p>Learning Objectives:</p> <ol style="list-style-type: none">1. يفسر مفردات الآيات من سورة الحجرات2. يبين دلالات الآيات من سورة الحجرات3. يبين مفهوم التربية وأهميتها في الإسلام4. يستنتج الأسس والمبادئ التي قامت عليها التربية النبوية لجيل الصحابة.	<p>Activities:</p> <ol style="list-style-type: none">1. يستنتج المواقف الواردة في السورة2. يطبق القيم التي تضمنتها الآيات3. يعدد بعض أساليب النبي في التربية4. يبحث عن نماذج من السيرة للتربية الصحيحة.	<ul style="list-style-type: none">https://seraj-uae.com/file/74/https://seraj-uae.com/file/1374/



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ARABIC (Arabs)	Topic: قصيدة في مكارم الأخلاق - العدد تنكيهه وتأنينه Learning Objectives: يتعرف أحكام العدد يعرب العدد إعرابًا صحيحًا يحلل الفكرة العامة للأبيات يفسر مفردات الأبيات	يعرب جملة العدد إعرابًا تامًا يوظف العدد في كتاباته يشرح الأبيات شرحًا أدبيًا وافيًا يستخرج الصور الفنية الواردة في الأبيات	<ul style="list-style-type: none">• https://seraj-uae.com/file/2473/• https://seraj-uae.com/file/1373/
ARABIC (Non- Arabs)	Topic: Healthy life Learning Objectives: <ul style="list-style-type: none">• To know the concept of a healthy life.• To identify healthy and unhealthy habits.• To suggest solutions to unhealthy habits.• To express his opinion about a diet.• To conclude the relationship between sport, food and health.	Activities: Encourage your child to <ul style="list-style-type: none">• Create a mind map of healthy life.• Record a video about maintaining health.• Write an essay on ways to maintain a healthy life.• Write lists of healthy food and unhealthy food.• Write a dialogue about healthy habits and unhealthy habits.	<ul style="list-style-type: none">• https://read.kutubee.com/video/video_175• https://read.kutubee.com/book/book_791• https://read.kutubee.com/video/video_117?videoid=video_117• https://read.kutubee.com/book/book_702• https://read.kutubee.com/book/book_1224/read?mode=student• https://read.kutubee.com/book/book_728



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	<ul style="list-style-type: none"> • To design an integrated nutritional program. • To conclude the relationship between healthy food and disease resistance. • To suggest ideas for a better healthy life. • To express his opinion on fast food and its relationship to human health. • To submit new proposals for better health. 		<ul style="list-style-type: none"> • https://read.kutubee.com/book/book_2_23 • https://read.kutubee.com/book/book_2_03 • https://read.kutubee.com/book/book_3_35
ISLAMIC STUDIES (Non- Arabs)	<p>Topic: Blind Imitation</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • To comprehend the concept of blind imitation • To analyze the reasons of following others. • Reference from Qur'an and Hadith should be given. 	<p>Activities: Encourage your child to</p> <ul style="list-style-type: none"> • Outline the concept of Blind imitation in a form of an essay. In your opinion, what is the reason the new generation likes to follow the people that do not have the righteous qualities. write a paragraph. Strengthen your answer with a hadeeth that shows clearly the prohibition to follow others. 	



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PSHCEE	Topic: Making Choices Learning Objectives: <ul style="list-style-type: none">To be able to discover, discuss and apply ideas to make good decisions and reflect on their abilities and areas for improvements.	Activities: <ul style="list-style-type: none">Encourage your child to learn more about themselves, the skills they need in life and work, and how best to develop and demonstrate these as they identify and apply for jobs that are a good fit for their personality, interests and skills.	<ul style="list-style-type: none">https://www.corporatewellnessmagazine.com/article/5-steps-to-good-decision-making
MORAL EDUCATION	Topic: Understanding the Growth of Government in the UAE Learning Objectives: <ul style="list-style-type: none">To understand the state and government of the UAETo describe the key characteristics of good government.	Activities: <ul style="list-style-type: none">Motivate your child to learn more about the laws of the UAE.	<ul style="list-style-type: none">http://gulfnews.com/news/uae/society/six-leaders-and-how-they-helped-shape-uae-1.1937162
HISTORY	TOPIC: Paris Peace Conference- Treaty of Versailles LEARNING OBJECTIVES- <ul style="list-style-type: none">To examine the terms of Treaty of Versailles.	Activities: <ul style="list-style-type: none">Along with your child discuss about the Treaty of Versailles that justified treatment for Germany.	<ul style="list-style-type: none">http://www.historyextra.comhttps://schoolhistory.co.uk/general/ks3-history-assessment-levels/



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	<ul style="list-style-type: none">To examine the objectives of Big 3 behind the decisions and terms behind the Treaty of Versailles.		
GEOGRAPHY	<p>TOPIC: Classification of Rocks</p> <p>LEARNING OBJECTIVES- To examine the composition of different rocks.</p>	<p>Activities:Motivate your child to research and answer the question:</p> <ul style="list-style-type: none">Can all rocks have fossils? Why/why not?	https://www.britannica.com/science/rock-geology
UAE SOCIAL STUDIES	<p>TOPIC: Indigenous peoples of South America</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none">To assess how the culture of South America and has been impacted through migration, colonisation, and modernisation.	<p>Activities:</p> <ul style="list-style-type: none">Motivate your child answer the following question: Which indigenous civilisation do you think had the most lasting influence into the present? Explain your answer.Encourage your child to create a timeline of each, Olmec, Aztec, Incan and Mayan civilizations and examine their similarities and differences.	<ul style="list-style-type: none">Yr 9 UAE SST MOE Text Book



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FRENCH	<p>TOPIC: Shopping:</p> <p>LEARNING OBJECTIVES:</p> <ul style="list-style-type: none">To create a role, play in a store, facing different daily life situations and problems to solve.	<p>Activities: Encourage your child to complete the following activities-</p> <ul style="list-style-type: none">Listening comprehension: http://www.youtube.com/watch?v=M5_zhal9tbA&feature=youtu.beReading comprehension: http://www.podcastfrancaisfacile.com/podcast/2013/05/au-marche-faire-ses-courses-dialogue-fle-francais-apprendre-learn.htmlWrite a dialogue between you and a seller in the supermarket while you were shopping, don't forget to use the conditional mode.Challenge: make up a role play following the instruction: Vous avez acheté un pantalon mais il y a un problème. Vous voulez échanger le pantalon. Vous retournez au magasin.	<ul style="list-style-type: none">www.tv5monde.orgwww.language-gym.comwww.francaisfacile.comwww.linguascope.comwww.lepointdufle.netwww.french-games.net
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ICT	Topic: JavaScript Learning Objectives: <ul style="list-style-type: none">• To use console.log in a JavaScript code• To use comparison operators ('<', '>', '==', '!=') in a JavaScript code• To use string in JavaScript code	Activities: Encourage your child – <ul style="list-style-type: none">• To use string manipulation operators such as concatenate, substr, len(),• Practice using variables in if / else statements• To debug errors in a JavaScript program	<ul style="list-style-type: none">• https://www.w3schools.com/js/js_string.asp
STEAM	Topic: Animations in Micro: bit Learning Objectives: <ul style="list-style-type: none">• To create a dance sequence using decomposition.• To create a flipbook animation of a dance sequence.	Activities: <ul style="list-style-type: none">• Encourage your child to• Explore about the types of animations and its applications and how to implement the animations in Micro: bit.• Design a simple dance sequence that meets the following criteria using Micro: bit: Has four movements • Includes a jump • Starts and ends with the same position	<ul style="list-style-type: none">• https://microbit.org/lessons/volcano-animations-unit-of-work/