



The Winchester School

Year 9- Family Learning Newsletter – February 2025

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	<p>Topic: Article Writing Learning Objective:</p> <ul style="list-style-type: none"> ❖ To examine relevant ideas and features in article writing. 	<p>Activities – Motivate your child</p> <ul style="list-style-type: none"> ❖ Analyse the following in any one of the given articles the hook and how it engages readers the context and background information and how they have been presented the thesis statement and how it clearly reflects the purpose ❖ Development of arguments and how it engages the readers ❖ Linking of ideas using transitional vocabulary ❖ Register of the article language choice conclusion and how it links to the thesis statement 	<ul style="list-style-type: none"> ❖ https://www.nationalgeographic.com/ ❖ https://www.bbc.com/news/topics/c5vz82vqnr1t ❖ https://www.bbc.com/news/science_and_environment
MATHS	<p>TOPIC : Inequalities Learning Objectives:</p> <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>Activities – Encourage your child</p> <p>To relate & apply the following:</p> <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. ❖ Research on real life 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: $£1.5 + £0.5M \leq £20$ 	<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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	<p>TOPIC: Mensuration</p> <ul style="list-style-type: none"> ❖ Learning Objectives: Calculate the Area and Perimeter of Compound Shapes. ❖ Analysing – calculating the Volume and surface area of the prisms. 	<p>Activities: Motivate your child to:</p> <ul style="list-style-type: none"> ❖ Solve problems on error Analysis and present number of questions on surface area and volume of the prism and pupils are asked if they can spot the mistake. ❖ Use the link given to visualize 3d shapes to calculate surface area and volume. ❖ Research on Cross curricular: Real life application on designing the packing box, application in Physics, Atomic structure, Architecture. 	
PHYSICS	<p>Topic – Electrical Energy</p> <p>Learning Objectives:</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>Activities – Along with your child</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 	<ul style="list-style-type: none"> ❖ http://www.bbc.co.uk/schools/gcsebitesize/science/aqa/energyefficiency/electricalappliance_srev1.shtml ❖ https://www.hunker.com/12003848/the-uses-of-electric-energy ❖ https://www.energy.gov/energysaver/estimating-appliance-and-home-electronic-energy-use <p style="text-align: center;">❖</p>



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<p>CHEMISTRY</p>	<p>Topics:</p> <p>Physical and chemical reactions:</p> <ul style="list-style-type: none"> ❖ To identify physical and chemical changes, and understand the differences between them. <p>Pattern of reactivity of metals</p> <ul style="list-style-type: none"> ❖ To investigate and arrange the reactivity of different metals and carbon in the reactivity series. 	<p>Activities – Motivate your child</p> <ul style="list-style-type: none"> ❖ Talk to your child why sodium is stored under oil. ❖ 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. 	<ul style="list-style-type: none"> ❖ https://www.thoughtco.com/physical-and-chemical-changes-examples-608338 ❖ https://www.britannica.com/science/chemical-reaction/Energy-considerations ❖ https://phet.colorado.edu/en/simulations/reactants-products-and-leftovers ❖ https://www.bbc.co.uk/bitesize/topics/zypsgk7/articles/zwxhk2p
<p>BIOLOGY</p>	<p>Topic: Co-ordination and response</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, synapses. ❖ Explain the importance of reflex actions and give examples 	<p>Activities – Encourage your child</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



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			<ul style="list-style-type: none">❖ https://www.toppr.com/guides/biology/neural-control-and-coordination/reflex-action-and-reflex-arc/
ISLAMIC STUDIES (Arabs)	<p>Topic : العدل في الإسلام الامام مسلم</p> <p>❖ Learning Objectives:</p> <ul style="list-style-type: none">❖ 1-أبين مفهوم العدل للإنسان-1❖ 2- أحدد مجالات العدل❖ 3- أوضح ثمرات العدل❖ 4-ألخص أحرص على احترام حق الآخر❖ 1-يبين نسب الإمام مسلم وأهم صفاته.❖ 2-يوضح إسهامات الإمام مسلم في خدمة الحديث النبوي الشريف . <p>-يستنتب الدروس والعبر التي يمكن الاستفادة منها في 3 حياة الإمام مسلم</p>	<p>Activities – Motivate your child</p> <ul style="list-style-type: none">❖ نشاط جماعي (1): قال تعالى: "وإذا حكمتم بين الناس أن تحكموا بالعدل" اكتب تفسير الآية الكريمة وماذا نستنتب منها؟❖ نشاط جماعي (2): عدّد ثلاثة من مظاهر العدل في دولة الإمارات العربية المتحدة.❖ نشاط 3 ثنائي: اذكر اثنين من أصحاب النبي ممن اشتهروا بالعدل موضعًا موقفًا لكل واحد منهما في مجال العدل.❖ نشاط فردي (1): اذكر نسب الامام مسلم وأهم صفاته واسهاماته في خدمة الحديث الشريف❖ نشاط جماعي (2): أكتب مقالا عن قيمة طلب العلم والحرص عليه.❖ نشاط جماعي 3: ماذا تعلمت من سيرة وتاريخ حياة الإمام مسلم وسوف تقوم به مستقبلاً. مع ذكر السبب.❖ نشاط ثنائي: استدل من سيرة الإمام مسلم أن المسلم يجب أن يستفيد من الظروف المحيطة به ليطور مهاراته وينجح في حياته	<ul style="list-style-type: none">❖ https://teacherhelp.info/❖ https://www.aljazeera.net/blogs/2021/11/28/%D8%A7%D9%84%D8%B9%D8%AF%D8%A7%D9%84%D8%A9-%D9%85%D9%86-%D9%85%D9%86%D8%B8%D9%88%D8%B1-%D8%A7%D9%84%D9%82%D8%B1%D8%A2%D9%86-%D8%A7%D9%84%D9%83%D8%B1%D9%8A%D9%85❖ https://seraj-uae.com/file/83/❖ https://ar.wikipedia.org/wiki/%D9%85%D8%B3%D9%84%D9%85_%D8%A8%D9%86_%D8%A7%D9%84%D8%AD%D8%AC%D8%A7%D8%AC❖ https://www.alarabiya.net/culture-and-art/2017/05/28/%D9%85%D9%86-%D9%87%D9%88-%D8%A7%D9%84%D8%A5%D9%85%D8%A7%D9%85-%D9%85%D9%8F%D8%B3%D9%84%D9%85-%D9%88%D9%84%D9%85%D8%A7%D8%B0%D8%A7-%D9%84%D9%85-



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ARABIC (Arabs)	<p>Topic: قصيدة الناس والزمان - التوكيد - قصة العباءة</p> <p>Learning Objective :</p> <ul style="list-style-type: none">❖ يحلل القصة تحليلاً فنياً وأدبياً❖ يستنتج الفكرة العامة للقصة والأفكار الداعمة❖ يحلل الأبيات تحليلاً أدبياً وبلاغياً❖ يقارن بين الأبيات ومثيلاتها في نفس الغرض❖ يتعرف التوكيد وأنواعه <p>يعرب التوكيد إعراباً صحيحاً</p>	<ul style="list-style-type: none">❖ يستنتج العناصر الفنية للقصة❖ يكتب نهاية مختلفة للقصة❖ يوظف مفردات الأبيات في سياق لغوي جديد❖ يستخرج الصور الفنية الواردة في الأبيات❖ يحدد التوكيد في النصوص المختلفة❖ يوظف التوكيد في كتابته	<ul style="list-style-type: none">❖ https://www.youtube.com/watch?v=-XCCw_S0ehY❖ https://www.youtube.com/watch?v=rXwv5C17bAY&t=3s❖ https://seraj-uae.com/file/60/❖ https://seraj-uae.com/file/59/
ARABIC (Non- Arabs)	<p>Topic: Healthy and Unhealthy Food</p> <p>Learning Objective:</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.❖ To analyze the text literary and linguistic.❖ To use literary and rhetorical methods.	<p>Activities – Inspire your child to</p> <ul style="list-style-type: none">❖ Create a mind map about healthy foods.❖ Prepare a concept map of unhealthy foods.❖ Develop a conversation in a restaurant about healthy food.❖ Recording a video with the family about healthy and unhealthy food (benefits and harms).❖ Educate friends about the dangers of fast food.❖ Encourage friends to eat healthy foods.	<ul style="list-style-type: none">❖ https://youtu.be/KMX0Qa4Wz7A?si=MhxV8ALwX-EC55Kn❖ https://youtu.be/Ki3BaL4F-g0?si=cKVE9tC-_z3XvJN4❖ https://youtu.be/yJvt0TaGIZk?si=yPpEBL A54OZmFTy7❖ https://www.youtube.com/watch?v=o55-91td11❖ https://www.youtube.com/watch?v=ZFoS m-Ln6MM&t=3s❖ https://www.youtube.com/watch?v=uDR2BPhSael



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<p>ISLAMIC STUDIES (Non- Arabs)</p>	<p>Topic: The Prophet’s Method of educating a Generation</p> <p>Learning objective:</p> <ul style="list-style-type: none"> ❖ To explain the concept of education and its important status in Islam. ❖ To explain the foundation and principles of the prophet’s education of his Companions ❖ Topic: Blind imitation ❖ T explain the concept of imitation ❖ To explain the position of Islam towards blind imitation ❖ To distinguish between bad and good imitation 	<p>Activities – Along your child</p> <ul style="list-style-type: none"> ❖ Create a video showing the ways to educate illiterate people to become educated by giving examples from the life of Prophet (P.B.U.H). ❖ Create a video showing how bad it is to imitate others and its bad effects on society. 	<ul style="list-style-type: none"> ❖ https://en.islamway.net/article/12499/blind-following ❖ https://islamonline.net/en/the-prophets-methods-of-education/
<p>PSHCEE</p>	<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>Activities: Discuss with your child</p> <ul style="list-style-type: none"> ❖ The different rights they have and integrate it with the corresponding responsibilities. 	<ul style="list-style-type: none"> ❖ https://www.unicef.org/child-rights-convention/convention-text-childrens-version



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MORAL EDUCATION	<p>Topic: The Growth of Consultative government in the UAE</p> <p>❖ Learning Objectives:</p> <p>To recognise key developments in the growth of government at local and national levels in the UAE.</p>	<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
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>Activities: Motivate your child to</p> <ul style="list-style-type: none">❖ 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#zpg33j6❖ https://www.historyextra.com/



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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>Activities: Encourage 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-tectonics
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>Activities: Motivate & guide your child to answer the following question:</p> <ul style="list-style-type: none"> ❖ 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>Topic: À 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>Activities:</p> <ul style="list-style-type: none"> ❖ Encourage your child to create a vocabulary booklet based on extended shopping vocabulary. <ul style="list-style-type: none"> • Faire du shopping Flashcards Quizlet • Faire du shopping Flashcards Quizlet ❖ Motivate your child to listen to French conversation about shopping and discuss it with him/ her through a YouTube channel, like "Alexa" or "avec Vincent," or a French radio station. ❖ Check a few exercises with answers using different websites like www.Francaisfacile.com / Duolingo. 	<ul style="list-style-type: none"> ❖ Languagenut Global Digital Language Learning Platform ❖ http://www.francaisfacile.com/ ❖ Language Gym - Home ❖ Cours et exercices de français gratuits ❖ Avec dialogue bilingue ❖ Achats - vocabulaire



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<p>ICT</p>	<p>Topic: HTML / WEB AUTHORIZING</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 color, 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 the html page. 	<p>Activities:</p> <ul style="list-style-type: none"> ❖ Along with your child visit popular websites to see how the home pages are designed. Consider visiting these personal pages and discussing them. ❖ Encourage your child to create a Sway presentation which discusses various options for creating a webpage and software's available for the same. 	<ul style="list-style-type: none"> ❖ HTML Tutorial
<p>STEAM</p>	<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 passcode in order for the output to be activated 	<p>Activities:</p> <ul style="list-style-type: none"> ❖ Motivate your child regarding the importance of creating a secure password for protecting personal information. ❖ Discuss with your child 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"> ❖ STEAM for Educators - K-8 STEM and Coding