



# The Winchester School

## Year 9 - Family Learning Newsletter – March 2021

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	<p><b><u>TOPIC – Interview Writing</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"> <li>To further develop and extend interview writing skills.</li> </ul>	<ul style="list-style-type: none"> <li>Imagine yourself as a TV talk show host. Interview your favourite author/famous personality/controversial social person.</li> <li>Imagine that your current self is interviewing your future self? What kind of questions would you ask? What will be the focus of your interview?</li> <li>Practice writing interview questions based on the following:               <ul style="list-style-type: none"> <li>- Most memorable</li> <li>- Most hilarious</li> <li>- Most emotional</li> <li>- The greatest interview of all times</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><a href="https://www.onlinecollege.org/50-famous-author-interviews-that-shouldnt-be-missed/">50 Famous Author Interviews That Shouldn't Be Missed - OnlineCollege.org</a></li> <li><a href="https://www.mentalfloss.com/the-greatest-interviews-of-all-time-princess-diana-with-martin-bashir/">The Greatest Interviews of All Time: Princess Diana with Martin Bashir   Mental Floss</a></li> </ul>
MATHS	<p><b><u>TOPIC- Mensuration</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p>	<ul style="list-style-type: none"> <li>Encourage the students to use the given link on activities to calculate area and perimeter.</li> </ul>	<ul style="list-style-type: none"> <li><a href="https://www.mathsisfun.com/activities/garden-area.html">https://www.mathsisfun.com/activities/garden-area.html</a></li> <li><a href="https://www.mathsisfun.com/cuboids-rectangular-prisms-and-cubes.html">Cuboids, Rectangular Prisms and Cubes (mathsisfun.com)</a></li> </ul>



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## Year 9 - Family Learning Newsletter – March 2021

- Calculate the Area and Perimeter of Compound Shapes.
- Analysing – calculating the Volume and surface area of the prisms.
- Drawing net of the prisms.
- Calculating Circumference and Area of Circle.

### TOPIC- Algebra

### LEARNING OBJECTIVES-

To Solve Simultaneous Equations using

- 1: Elimination method
2. Substitution method

- 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.
- 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.
- Challenge yourself 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.

- [surfacearea-prisms-cylinders-decimals-1.pdf](https://mathworksheets4kids.com/surfacearea-prisms-cylinders-decimals-1.pdf)  
([mathworksheets4kids.com](https://mathworksheets4kids.com))
- <https://corbettmaths.com/wp-content/uploads/2013/02/nets-pdf.pdf>
- <https://corbettmaths.com/wp-content/uploads/2013/02/area-of-compound-shapes-pdf.pdf>
- <https://www.youtube.com/watch?v=4Woh1BWSaOk>



# The Winchester School

## Year 9 - Family Learning Newsletter – March 2021

BIOLOGY	<p><b><u>TOPIC – Immunity – Vaccination and Diseases</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• Describe what bacteria need to survive.</li><li>• Analyze bacterial growth data.</li><li>• Investigate the effect of antibiotics on bacteria.</li></ul>	<ul style="list-style-type: none"><li>• Motivate your child to describe the requirements needed for bacterial growth.</li><li>• Encourage your child to research and develop a logistic model to describe bacterial growth.</li><li>• Encourage your child to create an animated video to explain how bacteria become resistant to certain antibiotics.</li></ul>	<ul style="list-style-type: none"><li>• <a href="https://revisionworld.com/gcse-revision/biology/human-body/immunisation-vaccination">https://revisionworld.com/gcse-revision/biology/human-body/immunisation-vaccination</a></li><li>• <a href="https://amrls.cvm.msu.edu/pharmacology/antimicrobials/effect-on-bacteria">https://amrls.cvm.msu.edu/pharmacology/antimicrobials/effect-on-bacteria</a></li></ul>
PHYSICS	<p><b><u>TOPIC- Heat Transfer</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• To describe methods of heat transfer.</li><li>• To explain methods of reducing heat transfer.</li><li>• To compare and contrast different modes of heat transfer.</li></ul>	<p>Motivate your child to -</p> <ul style="list-style-type: none"><li>• Research on ways by which energy can be transferred from one object to another.</li><li>• Think of ways to retain energy with in a system and ways to reduce loss.</li><li>• Analyze how energy is transmitted from Sun to earth.</li></ul>	<ul style="list-style-type: none"><li>• <a href="http://www.bbc.co.uk/schools/gcsebit/size/science/aqa_pre_2011/energy/heatrev1.shtml">http://www.bbc.co.uk/schools/gcsebit/size/science/aqa_pre_2011/energy/heatrev1.shtml</a></li><li>• <a href="http://coolcosmos.ipac.caltech.edu/cosmic_classroom/light_lessons/thermal/transfer.html">http://coolcosmos.ipac.caltech.edu/cosmic_classroom/light_lessons/thermal/transfer.html</a></li><li>• <a href="http://www.warmup.com/blog/keeping-the-heat-in-how-to-stop-heat-loss-in-your-home">http://www.warmup.com/blog/keeping-the-heat-in-how-to-stop-heat-loss-in-your-home</a></li></ul>



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CHEMISTRY	<p><b><u>TOPIC -Physical and chemical reactions</u></b></p> <p><b><u>LEARNING OBJECTIVES</u></b></p> <ul style="list-style-type: none"><li>• To identify physical and chemical changes, and understand the differences between them.</li></ul> <p><b><u>TOPIC- Rate of reaction</u></b></p> <p><b><u>LEARNING OBJECTIVES</u></b></p> <ul style="list-style-type: none"><li>• To identify the different factors affecting the rate of a reaction.</li><li>• To outline the effects of concentration, particle size temperature and catalysts on the rate of a reaction.</li><li>• To understand what catalyst are and give their real life uses.</li><li>• To plan and investigate explain the effects of concentration, particle size, temperature and catalysts on the rate of a reaction.</li></ul>	<p><b>Activity:</b></p> <ul style="list-style-type: none"><li>• Read the context and summarise your understanding writing at least 5 points.</li></ul> <p><a href="https://www.thoughtco.com/physical-and-chemical-changes-examples-608338">https://www.thoughtco.com/physical-and-chemical-changes-examples-608338</a></p> <ul style="list-style-type: none"><li>• Discuss with your child about what do they understand by slow, fast and very fast reaction. How do you measure rate of a chemical reactions.</li><li>• Talk to your child what are the different factors, which would affect rate of a chemical reaction.</li><li>• Discuss with them the difference between physical and chemical reactions with suitable examples.</li><li>• Discuss with your child about what do they understand by the terms exothermic and endothermic reactions.</li></ul>	<ul style="list-style-type: none"><li>• <a href="https://www.thoughtco.com/physical-and-chemical-changes-examples-608338">https://www.thoughtco.com/physical-and-chemical-changes-examples-608338</a></li><li>• <a href="http://www.chem4kids.com/files/react_rates.html">www.chem4kids.com/files/react_rates.html</a></li><li>• <a href="http://www.bbc.co.uk/schools/gcse/bitesize/science/add_edexcel/chemical_reactions/ratesrev2.shtml">http://www.bbc.co.uk/schools/gcse/bitesize/science/add_edexcel/chemical_reactions/ratesrev2.shtml</a></li><li>• <a href="https://www.youtube.com/watch?v=4HS6D0hTzdg">What Are Endothermic &amp; Exothermic Reactions   Chemistry   Fuse School - YouTube</a></li><li>• <a href="https://www.youtube.com/watch?v=4HS6D0hTzdg">https://www.youtube.com/watch?v=4HS6D0hTzdg</a></li></ul>
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	<p><b><u>TOPIC- Heat Energetics of a reaction</u></b></p> <p><b><u>LEARNING OBJECTIVES</u></b></p> <ul style="list-style-type: none"><li>To outline the meaning of exothermic and endothermic reactions.</li><li>To interpret energy level diagrams showing exothermic and endothermic reactions.</li></ul>	<ul style="list-style-type: none"><li>Research on what are the different ways to investigate this type of reaction.</li></ul>	
ARABIC (Arabs)	<p><b><u>TOPIC- تفاعل وأمل</u></b></p> <p><b><u>LEARNING OBJECTIVES</u></b></p> <p>أن يحلل الطالب النص تحليلاً أدبياً ولغوياً أن يحدد الفكرة الرئيسية والأفكار الداعمة لأن يكتب نصاً إقناعياً يحث على التفاؤل</p> <p><b><u>TOPIC- مرض الورق</u></b></p> <p><b><u>LEARNING OBJECTIVES</u></b></p> <p>أن يحلل الطالب النص تحليلاً أدبياً ولغوياً أن يحدد الفكرة الرئيسية والأفكار الداعمة أن يكتب موضوعاً عن الحلول المتعلقة بالحياة المستدامة</p>	<p>يكتب الطالب نصاً إقناعياً يحث على التفاؤل</p> <p>يكتب الطالب موضوعاً عن الحلول المتعلقة بالحياة المستدامة</p>	<ul style="list-style-type: none"><li><a href="https://www.hellooha.com/articles/2646-%D8%B9%D8%A8%D8%A7%D8%B1%D8%A7%D8%AA-%D8%B9%D9%86-%D8%A7%D9%84%D8%A3%D9%85%D9%84-%D9%88%D8%A7%D9%82%D8%AA%D8%A8%D8%A7%D8%B3%D8%A7%D8%AA-%D8%B9%D9%86-%D8%A7%D9%84%D8%AA%D9%81%D8%A7%D8%A4%D9%84">https://www.hellooha.com/articles/2646-%D8%B9%D8%A8%D8%A7%D8%B1%D8%A7%D8%AA-%D8%B9%D9%86-%D8%A7%D9%84%D8%A3%D9%85%D9%84-%D9%88%D8%A7%D9%82%D8%AA%D8%A8%D8%A7%D8%B3%D8%A7%D8%AA-%D8%B9%D9%86-%D8%A7%D9%84%D8%AA%D9%81%D8%A7%D8%A4%D9%84</a></li><li><a href="https://www.abudhabienv.ae/news-17315.html">https://www.abudhabienv.ae/news-17315.html</a></li></ul>



# The Winchester School

## Year 9 - Family Learning Newsletter – March 2021

	<p><b>TOPIC- أنواع الخبر</b></p> <p><b>LEARNING OBJECTIVES</b></p> <p>أن يستنبط الطالب أنواع الخبر أن يعرّبه أن يستخدمه في كتاباته</p>	<p>يكتب الطالب موضوعًا مستخدمًا أنواع الخبر</p>	<ul style="list-style-type: none"><li>• <a href="https://www.youtube.com/watch?v=tq6-ELjksQ">https://www.youtube.com/watch?v=tq6-ELjksQ</a></li></ul>
ISLAMIC STUDIES (Arabs)	<p><b>TOPIC – الايمان فضل من الله تعالى -للمجتمع رجاله -ونسائه</b></p> <p><b>LEARNING OBJECTIVES-</b></p> <p>أن يحلل مفهوم الايمان أن يقترح حلولاً لضعف الايمان أن يستنتج الفطرة الطبيعية للانسان أن يبدي رأيه في التشبه</p>	<p>يحرص على حفظ سورة الحجرات أن يكتب موضوعاً عن فض الايمان بالله تعالى أن يكتب موضوعاً عن خطورة التشبه بالنساء والنساء بالرجال</p>	<ul style="list-style-type: none"><li>• <a href="https://www.youtube.com/watch?v=biteXG1OGkw">https://www.youtube.com/watch?v=biteXG1OGkw</a></li><li>• <a href="https://www.youtube.com/watch?v=0GWCqlscReA">https://www.youtube.com/watch?v=0GWCqlscReA</a></li></ul>
ARABIC (Non- Arabs)	<p><b>TOPIC –</b></p> <p>حالة الطقس أن يصف التلاميذ الطقس في فصول السنة أن يقارن التلاميذ بين حالة الطقس في فصول السنة أن يبدي التلاميذ الرأي في الطقس في دبي</p>	<ul style="list-style-type: none"><li>• Encourage students to create a report on daily/weekly weather forecast.</li><li>• Design videos about the weather case in Dubai.</li></ul>	<ul style="list-style-type: none"><li>• <a href="https://www.youtube.com/watch?v=ACYx4roqXI4">https://www.youtube.com/watch?v=ACYx4roqXI4</a></li><li>• <a href="https://www.youtube.com/watch?v=53oHBQt1nHg">https://www.youtube.com/watch?v=53oHBQt1nHg</a></li><li>• <a href="https://www.youtube.com/watch?v=UVO3KqkKkYw">https://www.youtube.com/watch?v=UVO3KqkKkYw</a></li></ul>



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		<ul style="list-style-type: none"> <li>• Create a magazine about the weather case in different seasons.</li> <li>• Motivate students to create a dictionary about the four seasons.</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="https://www.youtube.com/watch?v=uYdAOioVAk">https://www.youtube.com/watch?v=uYdAOioVAk</a></li> </ul>
<p>ISLAMIC STUDIES (Non- Arabs)</p>	<p><b><u>TOPIC – No to Suicide</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"> <li>• Interpret the Hadeeth in their own words.</li> <li>• Indicate the status of human soul in Islam.</li> <li>• Find a solution to the issue of suicide</li> </ul> <p><b><u>TOPIC – The Prophet’s Method of educating a generation</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"> <li>• Explain the concept of education and its important status in Islam.</li> </ul>	<ul style="list-style-type: none"> <li>• Draw a mind map showing the adverse consequences of committing suicide.</li> <li>• Create a video showing the importance of educating others and etiquette of teaching them.</li> <li>• Create a video showing the importance of educating others and etiquette of teaching them.</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="https://www.youtube.com/watch?v=vJLgPe5qZII">https://www.youtube.com/watch?v=vJLgPe5qZII</a></li> <li>• <a href="https://www.youtube.com/watch?v=tBExagf70Lc">https://www.youtube.com/watch?v=tBExagf70Lc</a></li> </ul>



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## Year 9 - Family Learning Newsletter – March 2021

	<ul style="list-style-type: none"> <li>• Explain the foundations and principles of prophet's education of his companions.</li> </ul>		
PSHCEE	<p><b><u>TOPIC – Making Choices</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"> <li>• To be able to discover, discuss and apply ideas to make good decisions and reflect on their abilities and areas for improvements.</li> </ul>	<ul style="list-style-type: none"> <li>• 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.</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="https://www.corporatewellnessmagazine.com/article/5-steps-to-good-decision-making">https://www.corporatewellnessmagazine.com/article/5-steps-to-good-decision-making</a></li> </ul>
MORAL EDUCATION	<p><b><u>TOPIC – Understanding the Growth of Government</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"> <li>• To understand the state and government of the UA.</li> <li>• To describe the key characteristics of good government.</li> </ul>	<ul style="list-style-type: none"> <li>• Share with your child about the six leaders and how they shaped the UAE.</li> <li>• Encourage your child to learn more about the laws of the UAE</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="https://gulfnews.com/going-out/society/six-leaders-and-how-they-helped-shape-uae-1.1937162">https://gulfnews.com/going-out/society/six-leaders-and-how-they-helped-shape-uae-1.1937162</a></li> </ul>





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## Year 9 - Family Learning Newsletter – March 2021

HISTORY	<p><b><u>Topic – World War II</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• To analyse the causes of World war 2</li></ul>	<ul style="list-style-type: none"><li>• Motivate your child prepare a presentation on the causes that led to world war 2.</li></ul>	<ul style="list-style-type: none"><li>• <a href="#">Causes of WORLD WAR II [AP World History] Unit 7 Topic 6 (7.6) - YouTube</a></li><li>• <a href="#">World War II: Crash Course World History #38 - YouTube</a></li></ul>
UAE SOCIAL STUDIES	<p><b><u>TOPIC – Colonial North America</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• To analyse the settlement of colonial north America by different European colonists.</li></ul>	<ul style="list-style-type: none"><li>• Work with your child to come up with some reason's colonists might no longer see themselves as part of the colonial power</li></ul>	<ul style="list-style-type: none"><li>• MOE UAE SST work book for year 9</li></ul>
GEOGRAPHY	<p><b><u>TOPIC – Earthquake</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• To analyse the causes and effects of earthquake.</li></ul>	<ul style="list-style-type: none"><li>• Guide your child to mark the earthquake zones on a world map and analyse the cause for the earthquakes</li></ul>	<ul style="list-style-type: none"><li>• <a href="https://www.bbc.co.uk/bitesize/guides/ztp2k7h/revision/1">https://www.bbc.co.uk/bitesize/guides/ztp2k7h/revision/1</a></li></ul>



# The Winchester School

## Year 9 - Family Learning Newsletter – March 2021

FRENCH	<p><b><u>TOPIC – Shopping</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• To make a role play in a store, facing different daily life situations and problems to solve.</li></ul>	<ul style="list-style-type: none"><li>• Listening comprehension: <a href="http://www.youtube.com/watch?v=M5_zhaI9tbA&amp;feature=youtu.be">http://www.youtube.com/watch?v=M5_zhaI9tbA&amp;feature=youtu.be</a></li><li>• Reading comprehension: <a href="http://www.podcastfrancaisfacile.com/podcast/2013/05/au-marche-faire-ses-courses-dialogue-fle-francais-apprendre-learn.html">http://www.podcastfrancaisfacile.com/podcast/2013/05/au-marche-faire-ses-courses-dialogue-fle-francais-apprendre-learn.html</a></li><li>• Encourage your child to write a dialogue between you and a seller in the supermarket while you were shopping, don't forget to use the conditional mode.</li><li>• 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.</li></ul>	<ul style="list-style-type: none"><li>• <a href="http://www.tv5monde.org">www.tv5monde.org</a></li><li>• <a href="http://www.language-gym.com">www.language-gym.com</a></li><li>• <a href="http://www.youtube.com">www.youtube.com</a></li><li>• <a href="http://www.francaisfacile.com">www.francaisfacile.com</a></li><li>• <a href="http://www.linguascope.com">www.linguascope.com</a></li><li>• <a href="http://www.lepointdufle.net">www.lepointdufle.net</a></li><li>• <a href="http://www.french-games.net">www.french-games.net</a></li><li>• <a href="http://www.atantot-extra.co.uk">www.atantot-extra.co.uk</a> vocabulary games</li><li>• <a href="http://www.languagesonline.org.uk">www.languagesonline.org.uk</a> good for vocabulary and grammar</li></ul>
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## Year 9 - Family Learning Newsletter – March 2021

ICT	<p><b><u>TOPIC –System Development Life Cycle</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• To describe how it is necessary to design documents, files, forms/inputs, reports/outputs and Validation.</li></ul>	<ul style="list-style-type: none"><li>• Motivate the students to Identify and describe methods of researching an existing system.</li><li>• Create a sway presentation explaining system development life cycle.</li><li>• Research real life applications for Analysis, testing and development of system development life cycle.</li></ul>	<ul style="list-style-type: none"><li>• <a href="https://www.youtube.com/watch?v=uo98qmTYmxg">https://www.youtube.com/watch?v=uo98qmTYmxg</a></li><li>• <a href="https://www.youtube.com/watch?v=Yn6bapqy7Mo">https://www.youtube.com/watch?v=Yn6bapqy7Mo</a></li><li>• <a href="https://www.youtube.com/watch?v=rAR5sbaphwU">https://www.youtube.com/watch?v=rAR5sbaphwU</a></li><li>• <a href="https://www.igcseict.info/theory/8/design/index.html">https://www.igcseict.info/theory/8/design/index.html</a></li><li>• <a href="https://www.ictlounge.com/html/design_new.htm">https://www.ictlounge.com/html/design_new.htm</a></li><li>• <a href="https://www.youtube.com/watch?v=OjoGtsFTCDw">https://www.youtube.com/watch?v=OjoGtsFTCDw</a></li></ul>
STEAM	<p><b><u>TOPIC – Animations in Micro: bit</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• To create a dance sequence using decomposition.</li></ul>	<p>Encourage your child -</p> <ul style="list-style-type: none"><li>• Explore about the types of animations and its applications and how to implement the animations in Micro: bit.</li><li>• Design a simple dance sequence that meets the following criteria using Micro: bit:</li></ul>	<ul style="list-style-type: none"><li>• <a href="https://microbit.org/lessons/volcano-animations-unit-of-work/">https://microbit.org/lessons/volcano-animations-unit-of-work/</a></li></ul>



# The Winchester School

## Year 9 - Family Learning Newsletter – March 2021

- To create a flipbook animation of a dance sequence.

- Has four movements
- Includes a jump
- Starts and ends with the same position