



# The Winchester School

## Year 9 - Family Learning Newsletter – December 2020

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	<p><b><u>TOPIC – Argumentative Article Reading Comprehension</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• To review and consolidate an understanding of argumentative article.</li><li>• To practice reading comprehension skills.</li></ul>	<p><b>Encourage your child to -</b></p> <ul style="list-style-type: none"><li>• Practice reading comprehension passages online.</li><li>• Analyze online debates like the presidential and vice-presidential debate of the US.</li><li>• Create an infographic poster capturing the essentials of an argumentative article.</li><li>• Have an informal debate within your family on a common topic.</li><li>• Watch a Tedtalk speech and make notes on how the speaker persuades the audience.</li></ul>	<ul style="list-style-type: none"><li>• <a href="https://www.k12reader.com/subject/reading-skills/reading-comprehension/9th-10th-grade-reading-comprehension-worksheets/">https://www.k12reader.com/subject/reading-skills/reading-comprehension/9th-10th-grade-reading-comprehension-worksheets/</a></li><li>• <a href="https://englishteststore.net/index.php?option=com_content&amp;view=article&amp;id=348">https://englishteststore.net/index.php?option=com_content&amp;view=article&amp;id=348</a></li><li>• <a href="https://docs.google.com/document/d/1YaFEPvLegEqT0xBwZRLPRWcT9ayAA0VImtWD34aT0c/edit?usp=sharing">https://docs.google.com/document/d/1YaFEPvLegEqT0xBwZRLPRWcT9ayAA0VImtWD34aT0c/edit?usp=sharing</a></li><li>• <a href="https://www.bing.com/videos/search?q=Argumentative+article&amp;&amp;view=detail&amp;mid=C7E56061FF528F14643DC7E56061FF528F14643D&amp;&amp;FORM=VRDGAR&amp;ru=%2Fvideos%2Fsearch%3Fq%3DA">https://www.bing.com/videos/search?q=Argumentative+article&amp;&amp;view=detail&amp;mid=C7E56061FF528F14643DC7E56061FF528F14643D&amp;&amp;FORM=VRDGAR&amp;ru=%2Fvideos%2Fsearch%3Fq%3DA</a></li></ul>



# The Winchester School

## Year 9 - Family Learning Newsletter – December 2020

			<p><a href="#">rgumentative%2Barticle%26FORM%3DHDRSC4</a></p> <ul style="list-style-type: none"> <li>• <a href="https://www.youtube.com/watch?v=MP885azJBo0">https://www.youtube.com/watch?v=MP885azJBo0</a></li> <li>• <a href="https://blog.prepscholar.com/argumentative-essay-examples">https://blog.prepscholar.com/argumentative-essay-examples</a></li> </ul>
<p>MATHS EXTENDED</p>	<p><b><u>TOPIC- Fraction and percentages</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"> <li>• Interchange fraction, percentage and decimals.</li> <li>• Solve problems on percentages and percentage change.</li> <li>• Evaluate reverse percentages.</li> <li>• Apply skills on solving percentages in exponential growth and decay models and comparing interest rates compound and simple.</li> </ul>	<p><b>Encourage your child to -</b></p> <ul style="list-style-type: none"> <li>• Create and solve word problems on calculating a percentage and percentage change based on your real-life experience.</li> <li>• Research on various areas where percentages in used for example voting, census, surveys and interpret results.</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="https://www.math-aids.com/Calculus/Differential_Equations/">https://www.math-aids.com/Calculus/Differential_Equations/</a></li> <li>• <a href="https://www.pinterest.com/pin/781022760351276152/">https://www.pinterest.com/pin/781022760351276152/</a></li> <li>• <a href="https://www.tes.com/teaching-resource/percentage-increase-and-decrease-using-a-multiplier-fill-in-the-blanks-11167546">https://www.tes.com/teaching-resource/percentage-increase-and-decrease-using-a-multiplier-fill-in-the-blanks-11167546</a></li> </ul>



# The Winchester School

## Year 9 - Family Learning Newsletter – December 2020

BIOLOGY	<p><b><u>TOPIC – Variation</u></b> <b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• To interpret how variation causes competition for resources, and drives natural selection.</li></ul> <p><b><u>TOPIC – Selective Breeding</u></b> <b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• To explain theories of Lamarck, Wallace and Darwin.</li></ul> <p><b><u>TOPIC – Theories of Evolution</u></b> <b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• Write the applications of selective breeding and its importance</li></ul>	<p><b><u>Motivate you child to</u></b></p> <ul style="list-style-type: none"><li>• Create an article or play about the different types of variations that occur.</li><li>• Share the story of evolution and discuss the importance of evolution.</li><li>• Application of selective breeding.</li><li>• Create a fact sheet on theories of evolution.</li><li>• Draw the geologic time scale and discuss the course of evolution.</li></ul>	<ul style="list-style-type: none"><li>• <a href="https://www.bbc.com/bitesize/guides/z36mmp3/revision/1">https://www.bbc.com/bitesize/guides/z36mmp3/revision/1</a></li><li>• <a href="https://www.bbc.co.uk/bitesize/guides/z9gk87h/revision/3">https://www.bbc.co.uk/bitesize/guides/z9gk87h/revision/3</a></li><li>• <a href="https://en.wikipedia.org/wiki/Selective_breeding">https://en.wikipedia.org/wiki/Selective_breeding</a></li><li>• <a href="https://biology4isc.weebly.com/3-theories-of-evolution.html">https://biology4isc.weebly.com/3-theories-of-evolution.html</a></li></ul>
PHYSICS	<p><b><u>TOPIC- Reflection on Mirror</u></b> <b><u>Ray Diagrams</u></b></p>	<ul style="list-style-type: none"><li>• Encourage your child to analyse the image formation in a mirror by simulation.</li></ul>	<ul style="list-style-type: none"><li>• <a href="https://www.bbc.co.uk/bitesize/guides/zw42ng8/revision/1">https://www.bbc.co.uk/bitesize/guides/zw42ng8/revision/1</a></li></ul>



# The Winchester School

## Year 9 - Family Learning Newsletter – December 2020

	<p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"> <li>• Use the ideas about angles of reflection and angles of incidence to explain how we see images in a plane mirror.</li> <li>• To know the image formation in convex lens.</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="https://www.physicsclassroom.com/Physics-Interactives/Refraction-and-Lenses/Optics-Bench/Optics-Bench-Refraction-Interactive">https://www.physicsclassroom.com/Physics-Interactives/Refraction-and-Lenses/Optics-Bench/Optics-Bench-Refraction-Interactive</a></li> <li>• <a href="#">Using simulation describes the formation of images in a convex lens</a></li> <li>• <a href="https://www.physicsclassroom.com/Physics-Interactives/Refraction-and-Lenses/Optics-Bench/Optics-Bench-Refraction-Interactive">https://www.physicsclassroom.com/Physics-Interactives/Refraction-and-Lenses/Optics-Bench/Optics-Bench-Refraction-Interactive</a></li> <li>• <a href="https://ophysics.com/l7.html">https://ophysics.com/l7.html</a></li> </ul>	<ul style="list-style-type: none"> <li>• <a href="http://hyperphysics.phy-astr.gsu.edu/hbase/geoopt/refr.html#nd-reflection">http://hyperphysics.phy-astr.gsu.edu/hbase/geoopt/refr.html#nd-reflection</a></li> <li>• <a href="https://www.educationquizzes.com/gcse/physics/waves-reflection-01/">https://www.educationquizzes.com/gcse/physics/waves-reflection-01/</a></li> <li>• <a href="http://www.passmyexams.co.uk/GCSE/physics/reflection-and-refraction.html">http://www.passmyexams.co.uk/GCSE/physics/reflection-and-refraction.html</a></li> </ul>
CHEMISTRY	<p><b><u>TOPIC- Formulae for compounds.</u></b></p> <p><b><u>LEARNING OBJECTIVES</u></b></p> <ul style="list-style-type: none"> <li>• To recall the use of criss-cross methods to write the correct formulas for ionic compounds.</li> <li>• To revise the electronic structure for ions and deduce the charges for a given element.</li> </ul>	<p><b>Encourage your child to -</b></p> <ul style="list-style-type: none"> <li>• Read the context and summarise your understanding writing at least 5 points.</li> <li>• <a href="https://www.bbc.co.uk/bitesize/guides/zqrxsbk/revision/2">https://www.bbc.co.uk/bitesize/guides/zqrxsbk/revision/2</a></li> <li>• Encourage your child to list some useful compounds and write their correct formulae by criss-cross methods.</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="https://chem.libretexts.org/Courses/College_of_Marin/Marin%3A_CHEM_114_-_Introductory_Chemistry_(Daub_enmire)/05%3A_Molecules_and_Compounds/5.05%3A_Writing_Formulas_for_Ionic_Compounds">https://chem.libretexts.org/Courses/College_of_Marin/Marin%3A_CHEM_114 - Introductory Chemistry (Daub enmire)/05%3A_Molecules_and_Compounds/5.05%3A_Writing_Formulas_for_Ionic_Compounds</a></li> </ul>



# The Winchester School

## Year 9 - Family Learning Newsletter – December 2020

	<ul style="list-style-type: none"><li>Deduce the formulae of ionic compounds having polyatomic ions. (including oxides, hydroxides, halides, nitrates, carbonates and sulfates) given the formulae of the constituent ions</li></ul> <p><b>TOPIC - Physical and chemical reactions:</b></p> <p><b>LEARNING OBJECTIVES</b></p> <ul style="list-style-type: none"><li>To recall the type of physical and chemical changes, and understand the differences between them with suitable examples.</li></ul>	<ul style="list-style-type: none"><li>Discuss with them the difference between physical and chemical reactions with suitable examples</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="https://www.bbc.co.uk/bitesize/guides/zwd2mp3/revision/5">https://www.bbc.co.uk/bitesize/guides/zwd2mp3/revision/5</a></li></ul>
ARABIC (Arabs)	<p><b>TOPIC -</b> <b>ضعف الدافعية نحو التعلم</b></p> <p><b>LEARNING OBJECTIVES-</b> أن يكتب نصوصا تفسيرية (وصف، شرح، مقارنة، مقابلة، يتعرف التشبيه المرسل والمؤكد ويحللها ويوضح مواطن (مشكلة والحل</p>	نة والمقابلة، وي طرح المشكلة والحل يكتب .	<ul style="list-style-type: none"><li><a href="http://midad.com/article/221280/%D8%A3%D8%B3%D8%A8%D8%A7%D8%A8-%D9%88%D8%AD%D9%84%D9%88%D9%84-%D8%AA%D8%AF%D9%86%D9%8A-%D8%A7%D9%84%D8%AF%D">http://midad.com/article/221280/%D8%A3%D8%B3%D8%A8%D8%A7%D8%A8-%D9%88%D8%AD%D9%84%D9%88%D9%84-%D8%AA%D8%AF%D9%86%D9%8A-%D8%A7%D9%84%D8%AF%D</a></li></ul>



# The Winchester School

## Year 9 - Family Learning Newsletter – December 2020

	ينتج التشبيه في جمل من إنشائه.		<a href="https://www.youtube.com/watch?v=8A%D8%A9-%D9%84%D9%84%D8%AA%D8%B9%D9%84%D9%85-%D9%84%D8%AF%D9%89-%D8%A7%D9%84%D8%B7%D9%84%D8%A7%D8%A8">8%A7%D9%81%D8%B9%D9%8A%D8%A9-%D9%84%D9%84%D8%AA%D8%B9%D9%84%D9%85-%D9%84%D8%AF%D9%89-%D8%A7%D9%84%D8%B7%D9%84%D8%A7%D8%A8</a>
ISLAMIC STUDIES (Arabs)	<p><b>TOPIC – الحلال بين- الدين النصيحة</b></p> <p><b>LEARNING OBJECTIVES-</b></p> <p>أن يستنتج آداب التنصيح</p> <p>النصيحة على الفرد والمجتمع أن يوضح</p> <p>ثمرات التنصيح وأثاره على الفرد</p> <p>*- والمجتمع</p>	<p>بحثا عن علاقة الصلح بالأمن. والمقارنة والمقابلة، ويطرح المشكلة والحل يكتب الطالب نصا تفسيريya يضمه الوصف والشرح</p> <p>بحثا عن النصيحة في الاسلام يكتب بحثا عن العمل الحلال في الإسلام يكتب موضوعا عن الحلال والحرام في الإسلام</p>	<ul style="list-style-type: none"><li>• <a href="https://www.youtube.com/watch?v=l2jX9sd0Sp8">https://www.youtube.com/watch?v=l2jX9sd0Sp8</a></li><li>• <a href="https://www.youtube.com/watch?v=F0Gu-fETvYg">https://www.youtube.com/watch?v=F0Gu-fETvYg</a></li></ul>
ARABIC (Non- Arabs)	<p><b>TOPIC – وسائل الإعلام</b></p> <p><b>LEARNING OBJECTIVES-</b></p> <p>أن يصنف التلاميذ وسائل الإعلام 1</p>	<p>Motivate your child to</p> <ul style="list-style-type: none"><li>• Make comparison between the different social media.</li><li>• Design social magazine about types of media.</li></ul> <p>Design posters on the Influence of social media.</p>	<ul style="list-style-type: none"><li>• <a href="https://www.youtube.com/watch?v=iP2xR7ZGBII">https://www.youtube.com/watch?v=iP2xR7ZGBII</a></li><li>• <a href="https://www.youtube.com/watch?v=pk0IW6Drnhk">https://www.youtube.com/watch?v=pk0IW6Drnhk</a></li><li>• <a href="https://www.youtube.com/watch?v=Avg2S_iitll">https://www.youtube.com/watch?v=Avg2S_iitll</a></li></ul>



# The Winchester School

## Year 9 - Family Learning Newsletter – December 2020

	<p>- أن يوضح التلاميذ أهمية وسائل الإعلام 2 - أن يقارن التلاميذ بين وسائل الإعلام المختلفة 3 - أن يبدي التلاميذ الرأي في التأثير الإعلامي 4</p>		<ul style="list-style-type: none"><li>• <a href="https://www.youtube.com/watch?v=uyhRkngJ0Tl">https://www.youtube.com/watch?v=uyhRkngJ0Tl</a></li></ul>
ISLAMIC STUDIES (Non- Arabs)	<p><b>TOPIC – Seven grave sins (Shirk and Black Magic)</b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• To identify the seven grave sins as mentioned in the hadeeth.</li><li>• To analyze some of the rules of fiqh of these sins in Al Quran.</li><li>• To examine the reason for calling these wrong-doings grave sins.</li></ul> <p><b><u>TOPIC: Allah's name (Al-Adl)</u></b></p> <ul style="list-style-type: none"><li>• To comprehend the importance of Allah's Attributes (Al-Adl) by giving reference from Quran and Sunnah). To evaluate the effect of Justice and Forgiveness on society.</li></ul>	<p>Encourage your child to:</p> <ul style="list-style-type: none"><li>• Create a PowerPoint on the consequences of committing these sins on the individual and society.</li><li>• Research and share how important is the quality of being just on society.</li></ul>	<ul style="list-style-type: none"><li>• <a href="https://www.youtube.com/results?search_query=The+seven+grave+sins">https://www.youtube.com/results?search_query=The+seven+grave+sins</a></li><li>• <a href="https://www.youtube.com/watch?v=BxwAz23lgZQ&amp;t=332s">https://www.youtube.com/watch?v=BxwAz23lgZQ&amp;t=332s</a></li></ul>



# The Winchester School

## Year 9 - Family Learning Newsletter – December 2020

PSHCEE	<p><b><u>TOPIC –Tolerance</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>To examine how we can show tolerance to other people.</li></ul>	<ul style="list-style-type: none"><li>Encourage your children to be more tolerant in accepting other people's differences.</li><li>Talk to your child on how to show tolerance to other people.</li></ul>	<ul style="list-style-type: none"><li><a href="https://www.youtube.com/watch?v=CwT9jYSfCi0&amp;t=323s">https://www.youtube.com/watch?v=CwT9jYSfCi0&amp;t=323s</a></li></ul>
MORAL EDUCATION	<p><b><u>TOPIC –Celebrating great Attitudes</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>Demonstrate respect and empathy for, and sensitivity to, individuals who are different or who come from different backgrounds.</li></ul>	<ul style="list-style-type: none"><li>Explain to your child the importance of respecting other people.</li><li>Have a family time discussing the effect of discrimination to the society and explain how important it is to be tolerant.</li></ul>	<ul style="list-style-type: none"><li><a href="https://www.youtube.com/watch?v=NQoVLqCuA2g">https://www.youtube.com/watch?v=NQoVLqCuA2g</a></li></ul>
HISTORY	<p><b><u>TOPIC – League of Nations</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>To analyse the reasons for its formation its aims and what did the league do to accomplish its aims.</li></ul>	<ul style="list-style-type: none"><li>Read along with your child the successes and failure of the LON,</li><li>Research along with your child and help them answer the following question;</li><li>Explain how the views of Britain, France and America differed as to how the League should be run.</li></ul>	<ul style="list-style-type: none"><li><a href="http://www.youtube.com/watch?v=Vx_hlpDktAMl">http://www.youtube.com/watch?v=Vx_hlpDktAMl</a></li></ul>





# The Winchester School

## Year 9 - Family Learning Newsletter – December 2020

		<ul style="list-style-type: none"><li>• Explain why some countries were not members of the League when it opened.</li></ul>	
UAE SOCIAL STUDIES	<p><b><u>TOPIC – Ancient African civilizations</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• To identify the ancient African civilizations and examine their contributions to human history.</li></ul>	<ul style="list-style-type: none"><li>• Help your child compare and contrast the Ancient Aksum and Harar jugol civilisations.</li><li>• Compare and contrast the African civilisation to that of UAE.</li></ul>	<ul style="list-style-type: none"><li>• <a href="#">UAE SST MOE Text book for year 8</a></li></ul>
GEOGRAPHY	<p><b><u>TOPIC – Rock and landscape</u></b> <b><u>Soil a precious resource</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• To examine the difference between landscape and the rock cycle as well as categorising the rock types in order of their resilience to weathering.</li><li>• To analyse the different soil nutrients and examine the effects of the growing population on soil.</li></ul>	<ul style="list-style-type: none"><li>• Describe and explain the landscape of UK. Based on your understanding help the child compare and contrast the landscape of UAE to that of UK.</li><li>• Assist your child write report on how we can prevent destruction of soil while using it?</li></ul>	<ul style="list-style-type: none"><li>• <a href="https://www.tes.com/teaching-resource/rocks-and-soils-teachers-notes-6068412">https://www.tes.com/teaching-resource/rocks-and-soils-teachers-notes-6068412</a></li></ul>



# The Winchester School

## Year 9 - Family Learning Newsletter – December 2020

FRENCH	<p>TOPIC – <u>Pour sauver le monde</u></p> <p><u>LEARNING OBJECTIVES-</u></p> <ul style="list-style-type: none"><li>• To participate in a prepared conversation on a familiar topic.</li><li>• To give arguments for changes that are needed to improve home area and to protect the environment.</li><li>• To make negative forms using different structures (for example: ne...pas, ne ... jamais; ne .... plus, ne .....rien etc)</li></ul>	<ul style="list-style-type: none"><li>• Encourage your child to do regular work: 15-20 minutes 4 times a week spent with French will guarantee good progress.</li><li>• How do we care about the environment in the UAE?</li><li>• What are the facilities that Dubai is implementing to welcome Expo 2020?</li></ul>	<ul style="list-style-type: none"><li>• <a href="http://www.youtube.com">http://www.youtube.com</a></li><li>• <a href="http://www.francaisfacile.com">www.francaisfacile.com</a></li><li>• <a href="http://www.french-games.net">www.french-games.net</a></li><li>• <a href="http://www.language-gym.com">www.language-gym.com</a></li></ul> <p>French radio stations</p> <ul style="list-style-type: none"><li>• <a href="http://www.cheriefm.fr">www.cheriefm.fr</a></li><li>• <a href="http://www.rfm.fr/">http://www.rfm.fr/</a></li><li>• <a href="http://www.nostalgie.fr/">http://www.nostalgie.fr/</a></li><li>• <a href="http://www.voltage.fr/">http://www.voltage.fr/</a></li></ul>
--------	--	---	--



# The Winchester School

## Year 9 - Family Learning Newsletter – December 2020

	<ul style="list-style-type: none"> <li>• To give opinions using a range of expressions (like ex.: "je pense...", "a mon avis .....", je trouve ....." etc)</li> <li>• To use expressions to emphasize the features (for example: très .....,beaucoup .....,trop ....., un peu .....) )</li> <li>• To make longer sentences with a help of a range of connectives (for example: et, mais, parce que)</li> </ul>		
ICT	<p><b><u>TOPIC –Control Applications</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"> <li>• To Explore and Inspect types of topologies and OSI model and explain their purpose in everyday life.</li> </ul>	<ul style="list-style-type: none"> <li>• Encourage your child to explore the purpose and the importance of types of computer Networks.</li> <li>• Motivate your child to research and create a report on types of topologies used in different sectors.</li> <li>• Parents can help to research, analyse and explore the OSI model and design the same.</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="https://www.geeksforgeeks.org/layers-of-osi-model/">https://www.geeksforgeeks.org/layers-of-osi-model/</a></li> <li>• <a href="https://www.studytonight.com/computer-networks/network-topology-types">https://www.studytonight.com/computer-networks/network-topology-types</a></li> <li>• <a href="https://beginnersbook.com/2019/03/types-of-computer-network-lan-man-and-wan/">https://beginnersbook.com/2019/03/types-of-computer-network-lan-man-and-wan/</a></li> </ul>



# The Winchester School

## Year 9 - Family Learning Newsletter – December 2020

STEAM	<p><b>TOPIC – SAM LAB-Smart Doorbell</b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• To recognize the importance of sensors within smart technology and how sensors can optimize everyday objects and tasks.</li><li>• Students will integrate and exhibit learning by designing a 'smart doorbell' that features light, image capture and sound.</li></ul>	<ul style="list-style-type: none"><li>• Encourage your child to <b>recognize</b> the importance of sensors in smart technology.</li><li>• <b>Parent can</b> explain the purpose of different sensors, demonstrating an understanding of their suitability for purpose</li><li>• Design a 'smart doorbell system' with an audio and visual alert that is activated when someone approaches.</li><li>• Create a report on how smart doorbell systems work.</li></ul>	<ul style="list-style-type: none"><li>• <a href="https://samllabs.com/us/">https://samllabs.com/us/</a></li></ul>
-------	---	--	---