



# The Winchester School

## Year 9- Family Learning Newsletter –November- 2022

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	TOPIC: Argumentative Writing LEARNING OBJECTIVES- ➤ To compare and contrast argumentative and persuasive writing	<ul style="list-style-type: none"> <li>✓ Review an article in the leading online magazines of UAE.</li> <li>✓ Highlight the use of persuasive/argumentative features and explain their impact.</li> <li>✓ Analyse whether the article is persuasive or argumentative and justify your opinion.</li> <li>✓ Compare and contrast the use of argumentative techniques in two articles.</li> </ul>	<a href="https://owl.purdue.edu/owl/general_writing/academic_writing/essay_writing/argumentative_essays.html">https://owl.purdue.edu/owl/general_writing/academic_writing/essay_writing/argumentative_essays.html</a>
MATHS	TOPIC – Number - Currency Conversions LEARNING OBJECTIVES- ➤ Convert currencies using foreign exchange rates. ➤ Understand how currency exchange can be applied to the real world.  Algebra Simultaneous Equations ➤ Apply algebraic skills to solve the equations to find two unknown values.	<b>Cross-curricular Activity Link–</b> <a href="https://www.transum.org/Maths/Activity/Currency">https://www.transum.org/Maths/Activity/Currency</a> <a href="https://www.mathsisfun.com/activity/currencies.html">https://www.mathsisfun.com/activity/currencies.html</a> <ul style="list-style-type: none"> <li>✓ Cross-Curricular Links: P.E. –problem-solving English- basic arithmetic Art- shape and space Media - Graphics</li> </ul>	<a href="https://corbettmaths.com/wp-content/uploads/2013/02/exchange-rates-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/exchange-rates-pdf.pdf</a>  <a href="https://studymaths.co.uk/workout.php?workoutID=149">https://studymaths.co.uk/workout.php?workoutID=149</a>  <a href="https://corbettmaths.com/2019/09/05/simultaneous-equations-practice-questions/">https://corbettmaths.com/2019/09/05/simultaneous-equations-practice-questions/</a>  For more practice and understanding use the link below on solving simultaneous equations



# The Winchester School

## Year 9- Family Learning Newsletter –November- 2022

	<p>Shape and Space</p> <p>Polygons</p> <ul style="list-style-type: none"> <li>➤ Calculate the interior and exterior angles of regular and irregular polygons .</li> </ul>		<p><a href="https://www.youtube.com/watch?v=4Woh1BWSaOk">https://www.youtube.com/watch?v=4Woh1BWSaOk</a></p> <p><a href="https://www.matrix.edu.au/beginners-guide-year-9-maths/part-3-indices/">https://www.matrix.edu.au/beginners-guide-year-9-maths/part-3-indices/</a></p> <p><a href="https://www.transum.org/software/SW/Starter_of_the_day/Students/indices.asp?Level=5">https://www.transum.org/software/SW/Starter_of_the_day/Students/indices.asp?Level=5</a></p> <p><a href="https://corbettmaths.com/wp-content/uploads/2013/02/angles-in-polygons-pdf1.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/angles-in-polygons-pdf1.pdf</a></p>
<p>BIOLOGY</p>	<p>TOPIC: Variation and Genetics</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> <li>➤ Describe how variation causes competition for resources and drives natural selection.</li> <li>➤ Explain the theories of Lamarck, Wallace and Darwin.</li> </ul> <p>TOPIC: Structure of Chromosome &amp; DNA</p>	<p>Encourage your child to</p> <ul style="list-style-type: none"> <li>✓ Create an article or play about the different types of mutations that occur and how they impact genes and chromosomes</li> <li>✓ Share the story of evolution and discuss the importance of evolution.</li> <li>✓ Create a 3D model of DNA structure with the materials available at home and explain its function.</li> </ul>	<p><a href="https://www.bbc.com/bitesize/guides/z36mmp3/revision/1">https://www.bbc.com/bitesize/guides/z36mmp3/revision/1</a></p> <p><a href="https://evolution.berkeley.edu/evolutionary/article/0_0_0/medicine_06">https://evolution.berkeley.edu/evolutionary/article/0_0_0/medicine_06</a></p>



# The Winchester School

## Year 9- Family Learning Newsletter –November- 2022

	<p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> <li>➤ Explain why it is important for scientists to be able to extract DNA from cells.</li> <li>➤ Explain how fertilization results in each new individual being genetically unique.</li> <li>➤ Explain how some genetic disorders arise.</li> <li>➤ Explain how organisms may be artificially cloned &amp; explore the ethical issues around artificial cloning.</li> <li>➤ Explain the use of gene banks to preserve hereditary material before a species becomes extinct.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Discuss the process of fertilization results in each new individual being genetically unique and ask them to create a poster</li> <li>✓ Research and find out how some genetic disorders arise, ask them to list some of the genetic disorders.</li> <li>✓ Create a powerpoint presentation on the process of cloning.</li> </ul>	<p><a href="https://www.bbc.com/bitesize/guides/z36mmp3/revision/1">https://www.bbc.com/bitesize/guides/z36mmp3/revision/1</a></p> <p><a href="https://pmgbiology.com/2014/10/21/dna-structure-and-function-igcse-a-understanding/">https://pmgbiology.com/2014/10/21/dna-structure-and-function-igcse-a-understanding/</a></p> <p><a href="http://www.bbc.co.uk/schools/gcse/bitesize/science/add_edexcel/cells/cloningrev1.shtml">http://www.bbc.co.uk/schools/gcse/bitesize/science/add_edexcel/cells/cloningrev1.shtml</a></p>
CHEMISTRY	<p>TOPIC: Electron configuration</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> <li>➤ To understand the concept underlying the arrangement of elements in the periodic table and explain the trends.</li> <li>➤ To draw the arrangement of electrons around an atom and able to write the electronic configuration until 20 elements.</li> </ul>	<p>Motive your child to</p> <ul style="list-style-type: none"> <li>➤ Read the context and summarise about Nuclear power plant plans in UAE using the below link. <a href="https://en.wikipedia.org/wiki/Nuclear_power_in_the_United_Arab_Emirates">https://en.wikipedia.org/wiki/Nuclear_power_in_the_United_Arab_Emirates</a></li> <li>✓ Discuss the different scientists involved in developing the periodic table and name some of the elements named after the famous scientist.</li> </ul>	<p><a href="https://en.wikipedia.org/wiki/Nuclear_power_in_the_United_Arab_Emirates">https://en.wikipedia.org/wiki/Nuclear_power_in_the_United_Arab_Emirates</a></p>



# The Winchester School

## Year 9- Family Learning Newsletter –November- 2022

	<p>Formation of Ions:</p> <ul style="list-style-type: none"> <li>➤ Outline how ionic bonds are formed by the transfer of electrons to produce cations and anions</li> </ul> <p>Formulae for compounds.</p> <ul style="list-style-type: none"> <li>➤ To use crisscross methods to write the correct formulas for ionic compounds.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Talk about the major cations and anions in our body. What does anion do to our body? How are cations helpful?</li> <li>✓ List some of the very useful compounds and to write their correct formulas (using criss-cross method).</li> </ul>	<p><a href="http://www.bbc.com/news/science-environment-35220823">www.bbc.com/news/science-environment-35220823</a></p> <p><a href="https://www.bbc.co.uk/bitesize/guides/z37t4j6/revision/1">https://www.bbc.co.uk/bitesize/guides/z37t4j6/revision/1</a></p> <p><a href="https://www.bbc.co.uk/bitesize/guides/zg923k7/revision/3">https://www.bbc.co.uk/bitesize/guides/zg923k7/revision/3</a></p>
<p>PHYSICS</p>	<p>TOPIC: Dispersion</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> <li>➤ To know the image formation in convex and concave lens</li> <li>➤ Describe how a spectrum can be produced from white light in terms of wavelength</li> </ul>	<p>Encourage your child to</p> <ul style="list-style-type: none"> <li>✓ Discuss the use of simulation for ray diagrams and to explain the nature of a real and a virtual image</li> <li>✓ Research on the uses of lenses.</li> <li>✓ Investigate converging lenses by:             <ul style="list-style-type: none"> <li>▪ forming an image of a distant object (e.g. a tree or building seen from the laboratory window), bringing parallel rays from a ray box to a focus through a cylindrical lens, drawing ray diagrams to scale to show the formation of a real image.</li> </ul> </li> <li>✓ Discuss when a rainbow is formed and if there is any similarity with the colours seen in a soap bubble.</li> <li>✓ Research on the reasons for spectrum to be formed.</li> </ul>	<p><a href="https://ophysics.com/l12.html">https://ophysics.com/l12.html</a></p> <p><a href="http://www.bbc.co.uk/schools/gcse/bitesize/science/triple_aqa/medical_applications_physics/lenses/revision/1/">http://www.bbc.co.uk/schools/gcse/bitesize/science/triple_aqa/medical_applications_physics/lenses/revision/1/</a></p> <p><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></p> <p><a href="https://sciencing.com/lightdispersion-experiments-kids-12011389.html">https://sciencing.com/lightdispersion-experiments-kids-12011389.html</a></p>



# The Winchester School

## Year 9- Family Learning Newsletter –November- 2022

		<ul style="list-style-type: none"><li>✓ Describe formation of spectrum(dispersion) and reasons for spectrum to be formed.</li><li>✓ Explain how filters work</li><li>✓ Design a dispersion filter with help of CD rom (used one)</li></ul>	<p><a href="http://www.physicsclassroom.com/class/refrn/Lesson-4/Dispersion-of-Light-by-Prisms">http://www.physicsclassroom.com/class/refrn/Lesson-4/Dispersion-of-Light-by-Prisms</a></p> <p><a href="https://www.youtube.com/watch?v=7FI0GZsBhGo">https://www.youtube.com/watch?v=7FI0GZsBhGo</a></p>
ARABIC (Arabs)	<p>الدرس الأخير: TOPIC:</p> <p>LEARNING OBJECTIVES-</p> <p>أن يحلل الطالب النص تحليلًا أدبيًا</p> <p>أن يتتبع السرد والوصف والحوار فيه</p> <p>أن يحدد العناصر الفنية للقصة</p> <p>أن يكتب موضوعًا عن أهمية الحفاظ على اللغة العربية</p> <p>التشبيه البليغ: TOPIC:</p> <p>LEARNING OBJECTIVES-</p> <p>أن يتعرف التشبيه البليغ</p> <p>أن يستخدمه في كتاباته</p>	<ul style="list-style-type: none"><li>✓ يكتب الطالب موضوعًا عن أهمية اللغة العربية والحفاظ عليها</li><li>يكتب فقرة من إبداعه مستخدمًا التشبيه البليغ</li></ul>	<p><a href="https://mawdoo3.com/%D9%85%D9%82%D8%A7%D9%84%D8%B9%D9%86%D8%A3%D9%87%D9%85%D9%8A%D8%A9%D8%A7%D9%84%D9%84%D8%BA%D8%A9%D8%A7%D9%84%D8%B9%D8%B1%D8%A8%D9%8A%D8%A9">https://mawdoo3.com/%D9%85%D9%82%D8%A7%D9%84%D8%B9%D9%86%D8%A3%D9%87%D9%85%D9%8A%D8%A9%D8%A7%D9%84%D9%84%D8%BA%D8%A9%D8%A7%D9%84%D8%B9%D8%B1%D8%A8%D9%8A%D8%A9</a></p> <p><a href="https://www.youtube.com/watch?v=E-T9tRYZ_X0">https://www.youtube.com/watch?v=E-T9tRYZ_X0</a></p>



# The Winchester School

## Year 9- Family Learning Newsletter –November- 2022

<p>ARABIC (Non - Arabs)</p>	<p>TOPIC: Healthy and unhealthy food</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"><li>➤ To determine the menu of healthy food.</li><li>➤ To explain the benefits of healthy food.</li><li>➤ To describe unhealthy food.</li><li>➤ To explain the harms of unhealthy food.</li><li>➤ To compare healthy and unhealthy foods.</li><li>➤ To describe the diet.</li><li>➤ To analyze the text literary and linguistic.</li><li>➤ To use literary and rhetorical methods.</li></ul>	<p>Motivate your child to</p> <ul style="list-style-type: none"><li>✓ Design a mind map of unhealthy foods.</li><li>✓ Create a conversation in a restaurant about healthy food.</li><li>✓ Record a video with the family about healthy and unhealthy food (benefits and harms).</li><li>✓ Educate friends about the dangers of fast food.</li><li>✓ Encourage friends to eat healthy foods.</li><li>✓ Design a mind map about healthy foods.</li></ul>	<p><a href="https://www.youtube.com/watch?v=o55-91tdd1l">https://www.youtube.com/watch?v=o55-91tdd1l</a></p> <p><a href="https://www.youtube.com/watch?v=ZFoSm-Ln6MM&amp;t=3s">https://www.youtube.com/watch?v=ZFoSm-Ln6MM&amp;t=3s</a></p> <p><a href="https://www.youtube.com/watch?v=uDR2BPhSael">https://www.youtube.com/watch?v=uDR2BPhSael</a></p> <p><a href="https://www.youtube.com/watch?v=Ay0F-c_5KEQ">https://www.youtube.com/watch?v=Ay0F-c_5KEQ</a></p> <p><a href="https://www.youtube.com/watch?v=mDiQ3i7NrQ0">https://www.youtube.com/watch?v=mDiQ3i7NrQ0</a></p> <p><a href="https://www.youtube.com/watch?v=Fa3giR1vnlo">https://www.youtube.com/watch?v=Fa3giR1vnlo</a></p> <p><a href="https://www.youtube.com/watch?v=5HEFCwXDi10">https://www.youtube.com/watch?v=5HEFCwXDi10</a></p> <p><a href="https://www.youtube.com/watch?v=fAt9YHETkqw">https://www.youtube.com/watch?v=fAt9YHETkqw</a></p>
<p>ISLAMIC STUDIES (Arabs)</p>	<p>TOPIC: سلامة المجتمع ووحدة أبنائه فريضة الحج</p>	<ul style="list-style-type: none"><li>✓ يستنتج الأحكام التي اشتملت عليها الآيات من سورة الحجرات</li><li>✓ يحدد أحكام التلاوة التي وردت في السورة</li><li>✓ يحدد مكانة الحج في الإسلام</li><li>✓ يصمم خريطة ذهنية عن أركان الحج</li></ul>	<p><a href="https://www.youtube.com/watch?v=tzJ9kvgr1A">https://www.youtube.com/watch?v=tzJ9kvgr1A</a></p>



# The Winchester School

## Year 9- Family Learning Newsletter –November- 2022

	<p>LEARNING OBJECTIVES-</p> <p>يحدد الفكرة العامة للآيات من سورة الحجرات</p> <p>يشرح الآيات شرحًا وافيًا</p> <p>يستخرج أحكام التلاوة الواردة في الآيات</p> <p>يبين أركان الحج وسننه وواجباته</p> <p>يبحث عن الآيات التي ورد فيها الحج في القرآن</p>		<p><a href="https://www.youtube.com/watch?v=QUBgLBzRLpc">https://www.youtube.com/watch?v=QUBgLBzRLpc</a></p> <p><a href="https://www.youtube.com/watch?v=8BZxyboo38A">https://www.youtube.com/watch?v=8BZxyboo38A</a></p>
<p>ISLAMIC STUDIES (Non- Arabs)</p>	<p>TOPIC:</p> <ol style="list-style-type: none"><li>1. Exchanging Advice in Islam</li><li>2. Zakat- Alms giving in Islam</li></ol> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"><li>➤ I can explain the importance of sincere advice as an Islamic duty.</li><li>➤ I can explain the meaning of sincere advice and its goal.</li><li>➤ I can explain the effects of sincere advice on the individual and society</li><li>➤ I can explain the concept of Zakat linguistically and idiomatically.</li></ul>	<p>Along with your child</p> <ul style="list-style-type: none"><li>✓ Research and create a mind map of the advantages of Zakat for the society.</li><li>✓ Research and explore how it is important to be sincere at work and in giving advice to individuals and society. Support your answer with ayat and Hadeeth.</li><li>✓ Discuss how would you recognize the situation in which giving advice is not advisable? How would you react if the other person rejects your advice? Give evidence from Al Quran.</li></ul>	<p><a href="https://aboutislam.net/shariah/refine-your-heart/the-art-of-giving-advice-15-tips/">https://aboutislam.net/shariah/refine-your-heart/the-art-of-giving-advice-15-tips/</a></p> <p><a href="https://www.youtube.com/watch?v=aEf7N3_xlxA">https://www.youtube.com/watch?v=aEf7N3_xlxA</a></p>



# The Winchester School

## Year 9- Family Learning Newsletter –November- 2022

	<ul style="list-style-type: none"> <li>➤ I can explain the benefits and advantages of zakat for individuals and society.</li> </ul>		
MORAL EDUCATION	<p>TOPIC: Ethics in the Context of Communities</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> <li>➤ To discuss student's duties and responsibilities within their family.</li> <li>➤ To discuss why being part of a community is important.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Motivate your child to be part of community program.</li> <li>✓ Encourage your child to carry out their duties and responsibilities at home, in school and in the community.</li> </ul>	<a href="https://www.youtube.com/watch?v=e5gRmAvy4jk">https://www.youtube.com/watch?v=e5gRmAvy4jk</a>
PSHCEE	<p>TOPIC: Growth Mindset and Tolerance</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> <li>➤ To discuss how famous people found their success despite their failures.</li> <li>➤ To discuss the importance of tolerance</li> </ul>	<p>Motivate your child to</p> <ul style="list-style-type: none"> <li>✓ Develop a growth mindset.</li> <li>✓ Be more tolerant in accepting other people's differences.</li> </ul>	<a href="https://www.youtube.com/watch?v=EyIF5VUOJc0">https://www.youtube.com/watch?v=EyIF5VUOJc0</a>
HISTORY	<p>TOPIC: Course of WWI</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> <li>➤ To examine the trench warfare methods used in WWI</li> </ul>	<ul style="list-style-type: none"> <li>✓ Discuss with your child-To what extent was the trench warfare system beneficial to soldiers?</li> </ul>	<a href="http://www.studyhistory.co.uk">www.studyhistory.co.uk</a> <a href="http://www.bbc.co.uk/history">www.bbc.co.uk/history</a> <a href="http://www.schoolhistory.co.uk">www.schoolhistory.co.uk</a> <a href="http://www.history">www.history</a>





# The Winchester School

## Year 9- Family Learning Newsletter –November- 2022

GEOGRAPHY	<p>TOPIC: Sustainable Living</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> <li>➤ To create sustainable solutions to selected ecological challenges</li> </ul>	<ul style="list-style-type: none"> <li>✓ Help your child create a design and create a product using 3Rs with C2C sustainability model.</li> </ul>	<p><a href="https://www.youtube.com/watch?v=8CQgla5WIMM">https://www.youtube.com/watch?v=8CQgla5WIMM</a></p> <p><a href="https://www.youtube.com/watch?v=X6HDcubgxRk">https://www.youtube.com/watch?v=X6HDcubgxRk</a></p>
UAE SOCIAL STUDIES	<p>TOPIC: Africa from colonialism to independence</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> <li>➤ To understand Africa's transformation in the 20th century from colonialism to independence</li> </ul>	<p>Discuss with your child on the following pointer</p> <ul style="list-style-type: none"> <li>✓ Were the new countries created in Africa after colonization really 'new 'countries? Explain the answer</li> </ul>	Year 9 UAE SST MOE textbook
FRENCH	<p>TOPIC: Nettoie le monde!</p> <p>LEARNING OBJECTIVES-</p> <p>GRAMMAR:</p> <ul style="list-style-type: none"> <li>➤ To conjugate Irregular verb: ALLER in the present and past tense.</li> <li>➤ To use the verb ALLER in the near future tenses.</li> </ul>	<p>Encourage your child to</p> <ul style="list-style-type: none"> <li>✓ Discuss about the civic and moral obligations to care about the environment.</li> <li>✓ Demonstrate how do we show that we care about the place where we live? Make up a slogan or a motto that could be used for a pro environmental action.</li> </ul>	<p><a href="http://www.french-games.net">www.french-games.net</a></p> <p><a href="http://www.language-gym.com">www.language-gym.com</a></p> <p><a href="http://www.quizlet.com">www.quizlet.com</a></p> <p><a href="http://www.tv5monde.fr">www.tv5monde.fr</a></p> <p><a href="http://www.francaisfacile.com">www.francaisfacile.com</a></p>



# The Winchester School

## Year 9- Family Learning Newsletter –November- 2022

	<ul style="list-style-type: none"> <li>➤ To use the grammatical structure “Pour + infinitive form” with a range of regular and irregular verbs</li> <li>➤ To use “Il faut ...”</li> <li>➤ To use imperative forms to give commands</li> </ul> <p>VOCABULARY:</p> <ul style="list-style-type: none"> <li>➤ To develop a vocabulary bank related to protection of environment.</li> <li>➤ To say what you’re going to do to protect the environment.</li> </ul>		<p>French radio stations :</p> <p><a href="http://www.cheriefm.fr">www.cheriefm.fr</a></p> <p><a href="http://www.rfm.fr/">http://www.rfm.fr/</a></p> <p><a href="http://www.nostalgie.fr/">http://www.nostalgie.fr/</a></p> <p><a href="http://www.voltage.fr/">http://www.voltage.fr/</a></p>
ICT	<p>TOPIC: Computer Networks</p> <p>LEARNING OBJECTIVES-</p> <ul style="list-style-type: none"> <li>➤ To discuss the importance of networking layers.</li> <li>➤ To explain the purpose of different networking layers such as Application layer, network layer, transport layer and data link layer.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Explore about the different types of topologies in the computer networking.</li> <li>✓ Create a presentation to describe about computer network, types, and their importance in everyday life.</li> <li>✓ Motivate your child to to make a Sway/Office Mix presentation on types of layers in OSI model.</li> </ul>	<p><a href="https://www.journals.elsevier.com/computer-networks/">https://www.journals.elsevier.com/computer-networks/</a></p> <p><a href="https://www.britannica.com/technology/computer-network/">https://www.britannica.com/technology/computer-network/</a></p> <p><a href="https://www.belden.com/blogs/net-work-types/">https://www.belden.com/blogs/net work-types/</a></p>



# The Winchester School

## Year 9- Family Learning Newsletter –November- 2022

STEAM	TOPIC: Night Safety- Micro:bit LEARNING OBJECTIVES-  ➤ To design, create and test a prototype of a flashing wheel light to help improve road safety at night for wheelchair users.	<ul style="list-style-type: none"><li>✓ Discussion and Collaborative time</li><li>✓ Develop understanding of issues around road safety for wheelchair users, especially at night.</li><li>✓ Design and create along with your child a prototype of a flashing wheel light using micro:bit to help wheelchair users 'Be Safe: Be Seen!' at night.</li><li>✓ Test, debug, evaluate and present a Flashing wheel light prototype.</li></ul>	<a href="https://microbit.org/lessons/night-sensor/">https://microbit.org/lessons/night-sensor/</a>
-------	---	--	---