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Year 9- Family Learning Newsletter – December - 2021

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	<p>Topic: Symbolism and Imagery</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> ➤ To analyse symbolism, imagery and other figurative devices. 	<p>Activity: Motivate your child to complete the below task</p> <ul style="list-style-type: none"> ➤ In the light of this learning, as a family, you could create a family portrait on a chart. However, each member of the family will be represented by an animal of their choice. Each member will then provide justification and reason for their choice. Help your child do a write up on the explanations. 	<ul style="list-style-type: none"> ➤ https://study.com/academy/lesson/symbolism-imagery-in-literature-definitions-examples.html ➤ https://balroop2013.wordpress.com/2018/04/22/symbolism-and-imagery-in-poetry/
MATHS	<p>Topic: Simultaneous Equations</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> ➤ Apply algebraic skills to solve the equations to find two unknown values. <p>Topic: Indices</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> ➤ Apply the rules of indices to simplify algebraic expressions. 	<p>Cross curricular Activity Link– Encourage your child to complete the below task.</p> <ul style="list-style-type: none"> ➤ Cross Curricular Links: P.E. – problem solving English- basic arithmetic Art- shape and space Media - Graphics 	<p>https://corbettmaths.com/2019/09/05/simultaneous-equations-practice-questions/</p> <p>For more practice and understanding use the link below on solving simultaneous equations</p> <p>https://www.youtube.com/watch?v=4Woh1BWSaOk</p>



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	<ul style="list-style-type: none"> ➤ Analyse the reciprocal of a number or term and write it as a negative or fractional exponent. 		<p>https://www.matrix.edu.au/beginners-guide-year-9-maths/part-3-indices/</p> <p>https://www.transum.org/software/SW/Starter_of_the_day/Students/Indices.asp?Level=5</p>
<p>SCIENCE</p> <p>BIOLOGY</p>	<p>Topic: Variation</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> ➤ Students will interpret how variation causes competition for resources and drives natural selection. <p>Topic: Selective Breeding</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> ➤ Write the applications of selective breeding and its importance 	<p>Encourage your child to-</p> <ul style="list-style-type: none"> ➤ To create an article or play about the different types of variations that occur. ➤ To share the story of evolution and discuss the importance of evolution. ➤ To apply the concept of selective breeding 	<ul style="list-style-type: none"> ➤ https://www.bbc.com/bitesize/guides/z36mmp3/revision/1 ➤ https://www.bbc.co.uk/bitesize/guides/z9gk87h/revision/3 ➤ https://en.wikipedia.org/wiki/Selective_breeding • https://biology4isc.weebly.com/3-theories-of-evolution.html



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CHEMISTRY	<p>Topic: Theories of Evolution</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">➤ Students will explain theories of Lamarck, Wallace and Darwin.	<p>Activity:</p> <ul style="list-style-type: none">➤ Ask the student to create a fact sheet on theories of evolution➤ Motivate the students to draw the geologic time scale and discuss the course of evolution	
	<p>TOPIC: Formation of Ions and Isotopes</p> <p>Learning Objectives</p> <ul style="list-style-type: none">➤ Outline how ionic bonds are formed by the transfer of electrons to produce cations and anions	<ul style="list-style-type: none">➤ Talk to your child about the major cations and anions in our body. What does anion do to our body? How are cations helpful?	<ul style="list-style-type: none">➤ https://www.bbc.co.uk/bitesize/guides/zg923k7/revision/3➤ https://www.bbc.co.uk/bitesize/guides/zg923k7/revision/3➤ https://chem.libretexts.org/Courses/College_of_Marin/Marin%3A_CHEM_114_-_Introductory_Chemistry_(Daubermire)/05%3A_Molecules_and_Compounds/5.05%3A_Writing_Formulas_for_Ionic_Compounds➤ https://www.thoughtco.com/physical-and-chemical-changes-examples-608338
	<p>TOPIC: Formulae for compounds.</p>	<ul style="list-style-type: none">➤ Encourage your child to list some of the very useful compounds and to write their correct formulas (using criss-cross method).	



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<p>PHYSICS</p>	<p>Learning Objectives</p> <ul style="list-style-type: none">➤ To recall the use of criss-cross methods to write the correct formulas for ionic compounds.➤ To revise the electronic structure for ions and deduce the charges for a given element. <p>TOPIC: Reflection on Mirror AND Ray Diagrams</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">➤ Use the ideas about angles of reflection and angles of incidence to explain how we see images in a plane mirror.➤ To know the image formation in convex lens .	<ul style="list-style-type: none">➤ Motivate to read the context and summarise your understanding writing at least 5 points. <p>https://www.bbc.co.uk/bitesize/guides/zqrxsbk/revision/2</p> <ul style="list-style-type: none">➤ correct formulae by criss-cross methods.➤ Encourage your child to analyse the image formation in a mirror by simulation <p>https://www.physicsclassroom.com/Physics-Interactives/Refraction-and-Lenses/Optics-Bench/Optics-Bench-Refraction-Interactive</p> <p>Using simulation ask your child to describe the formation of images in a convex lens</p>	<ul style="list-style-type: none">➤ https://www.bbc.co.uk/bitesize/guides/zw42ng8/revision/1• http://hyperphysics.phy-astr.gsu.edu/hbase/geoopt/refr.html#nd-reflection• https://www.educationquizzes.com/gcse/physics/waves-reflection-01/• http://www.passmyexams.co.uk/GCSE/physics/reflection-and-refraction.html
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		https://www.physicsclassroom.com/Physics-Interactives/Refraction-and-Lenses/Optics-Bench/Optics-Bench-Refraction-Interactive https://ophysics.com/l7.html	
ARABIC (Arabs)	Learning Objectives: الدرس الأخير: أن يحلل الطالب النص تحليلًا أدبيًا أن يتعرف مفهوم توقعات الحكمة أن يحدد صفات الشخصيات في النص	أن يكتب الطالب موضوعًا عن أهمية اللغة العربية، ويضع حلولًا للحفاظ عليها	https://mawdoo3.com/%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_%D9%88%D9%85%D9%83%D8%A7%D9%86%D8%AA%D9%87%D8%A7
ISLAMIC STUDIES (Arabs)	Learning Objectives: الدين النصيحة: أن يستنتج آداب التناصح	يكتب بحثًا عن علاقة الصلح بالأمن يكتب موضوعًا عن الحلال لا والحرام في الاسلام يكتب بحثًا عن العمل الحلال في الاسلام يكتب بحثًا عن النصيحة في الاسلام	https://www.youtube.com/watch?v=x9gN03E8V10



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	<p>أن يوضح ثمرات التنصيح وأثاره على الفرد والمجتمع -*</p> <p>يوضح أثر النصيحة على الفرد والمجتمع-</p>		
ARABIC (Non- Arabs)	<p>Topic: Smoking</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">➤ To explain the reasons for smoking.➤ To conclude the harms of smoking.➤ To suggest solutions to the smoking problem.➤ To express his opinion on the problem of smoking.➤ To design banners about smoking.➤ To create various creative writings on smoking.	<ul style="list-style-type: none">➤ Motivate your child to➤ Design a mind map about Smoking.➤ Make a wall panel about the Harms of Smoking.➤ Create a video about Smoking.➤ Create banners about Smoking.➤ Formulate a dialogue with his family about the harms of Smoking.	<p>https://www.youtube.com/watch?v=KynepiZoSA8</p> <p>https://www.youtube.com/watch?v=JRKKCu84XFo</p> <p>https://www.youtube.com/watch?v=MgHxEq0xrRc</p> <p>https://www.youtube.com/watch?v=9kEV-tudSPc</p>



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<p>ISLAMIC STUDIES (Non- Arabs)</p>	<p>Topic: Zakat- Alms giving in Islam</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">➤ I can explain the concept of Zakat linguistically and idiomatically.➤ I can explain the benefits and advantages of zakat for individuals and society.➤ I can calculate Nisab	<p>Motivate to search and create two mind maps of the advantages of Zakat for the society</p>	<p>https://www.youtube.com/watch?v=T3sv1BRFAS4</p>
<p>PSHCEE</p>	<p>Topic: Tolerance</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">➤ To examine how we can show tolerance to other people	<p>Encourage your children to be more tolerant in accepting other people's differences.</p> <p>Talk to your child on how to show tolerance to other people.</p>	<p>https://www.youtube.com/watch?v=CwT9jYSfCi0&t=323s</p>



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MORAL EDUCATION	<p>Topic: Understanding Diversity and Equality</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">➤ To demonstrate an understanding of diversity and equality in the UAE and articulate the benefits of diversity.	<ul style="list-style-type: none">➤ Watch the YouTube video provided in the link- discuss with your child how people from different countries work together in harmony.➤ Encourage your child to treat people equally.	<p>https://www.youtube.com/watch?v=3oXQuDlpHzs</p>
HISTORY	<p>Topic: Course of WW1</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">➤ To investigate the role of propaganda in WWI	<ul style="list-style-type: none">➤ Help your child to compare propaganda with fake/real news	<ul style="list-style-type: none">➤ https://graphics.wsj.com/100-legacies-from-world-war-1/propaganda➤ https://www.facinghistory.org/resource-library/video/propaganda-during-world-war-i-appeal-you
GEOGRAPHY	<p>Topic: Sustainable Living</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">➤ To create sustainable solutions to selected ecological challenges	<p>Assist your child design and create a product using 3Rs with C2C sustainability model.</p>	<p>https://www.youtube.com/watch?v=QMsF1P- vWc</p>



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			<p>https://www.youtube.com/watch?v=zaLrT-LuvHg</p> <p>https://www.youtube.com/watch?v=fP8PRA-OajU</p>
UAE SOCIAL STUDIES	<p>Topic: Modern Kenya</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> ➤ To examine the economic growth of Kenya 	<ul style="list-style-type: none"> ➤ Help your child compare and contrast the imports and exports of modern Kenya and those of ancient kingdoms of Africa. 	<p>MOE UAE SST TB for yr 9</p>
FRENCH	<p>Topic: Pour sauver le monde</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> ➤ To participate in a prepared conversation on a familiar topic 	<ul style="list-style-type: none"> ➤ Encourage your child to do regular work: 15- 20 minutes 4 times a week spent with French will guarantee good progress. ➤ How do we care about the environment in UAE (United Arab Emirates) make a research for example? 	<p>http://www.youtube.com</p> <p>www.francaisfacile.com</p> <p>www.french-games.net</p> <p>www.language-gym.com</p> <p>French radio stations</p> <p>www.cheriefm.fr</p>



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	<ul style="list-style-type: none">➤ To give arguments for changes that are needed to improve home area and to protect the environment➤ To make negative forms using different structures (for example :ne...pas, ne ... jamais; ne plus , nerien etc)➤ To give opinions using a range of expressions (like ex.: "je pense...", "a mon avis", , je trouve" etc)➤ To use expressions to emphasize the features (for example: très,beaucoup,trop, un peu))➤ To make longer sentences with a help of a range of connectives(for example : et, mais, parce que)	<ul style="list-style-type: none">➤ What are the latest creations that you observed in Dubai Expo 2020 that help to protect the environment?	<p>http://www.rfm.fr/</p> <p>http://www.nostalgie.fr/</p> <p>http://www.voltage.fr/</p>
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ICT	<p>Topic: E-safety</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">➤ To explore keeping data safe from unauthorised users	<ul style="list-style-type: none">➤ Able to show understand keeping data safe from accidental or malicious damage➤ Able to explore keeping data safe from unauthorised users➤ Able to identify diff techniques to use of passwords, firewalls, proxy servers, SSL, TLS and encryption risks posed by phishing and pharming and security safeguards	<p>https://www.ictlounge.com/html/esafety.htm</p>
STEAM	<p>Topic: Micro:bit Pet</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">➤ Evaluate and describe how to use selection method to make different events to happen at different times.	<p>Create your own electronic pet and customize it to make it your own using BBC Micro: bit</p>	<p>https://www.youtube.com/watch?v=LU_kUnOoSb4</p> <p>https://microbit.org/projects/make-it-code-it/microbit-pet/</p>