



# The Winchester School

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

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	<p><b>Topic:</b></p> <ul style="list-style-type: none"> <li>➤ Evoking emotions in writing</li> </ul> <p><b>Objective:</b></p> <ul style="list-style-type: none"> <li>➤ To analyse strategies used to develop emotions in writing.</li> </ul>	<p><b>Activity:</b></p> <ul style="list-style-type: none"> <li>➤ <b>Watch</b> any memorable or emotionally charged scene from any of the Marvel or DC Series as per your child's preference.</li> <li>➤ <b>Focus on the above-mentioned scene</b> and in a paragraph jot down the dominant feeling that arises in the audience's heart as they watch the scene. Ask your child to examine how and why the stated feeling has been evoked in the viewer.</li> </ul>	<p><a href="http://www.youtube.com">www.youtube.com</a></p>
MATHS	<p><b>Topic:</b> Graphical Inequalities</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"> <li>➤ To draw the inequality graph and shade the region that satisfies the given inequalities.</li> <li>➤ Analyze and evaluate problems on shading unwanted region in an inequality.</li> </ul> <p><b>Topic:</b> Probability</p> <p><b>Learning Objectives:</b></p>	<p><b>Cross-curricular Activity :</b></p> <p>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.</p> <ul style="list-style-type: none"> <li>➤ All of these can be represented as mathematical inequalities.</li> <li>➤ Often in real life we find ourselves in situations that can be represented</li> </ul>	<ul style="list-style-type: none"> <li>➤ <a href="http://www.mathworksheets4kids.com/inequalities.php">www.mathworksheets4kids.com/inequalities.php</a></li> <li>➤ <a href="https://www.mathsisfun.com/algebra/inequality-solving.html">https://www.mathsisfun.com/algebra/inequality-solving.html</a></li> <li>➤ <a href="http://www.softschools.com/math/algebra/inequalities/">http://www.softschools.com/math/algebra/inequalities/</a></li> <li>➤ <a href="https://corbettmaths.com/wp-content/uploads/2013/02/graphical-inequalities-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/graphical-inequalities-pdf.pdf</a></li> <li>➤ <a href="https://mathsmadeeasy.co.uk/gcse-maths-revision/graphical-">https://mathsmadeeasy.co.uk/gcse-maths-revision/graphical-</a></li> </ul>



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	<ul style="list-style-type: none"><li>➤ Analyse the occurrence of an event and to apply the formula for find the probability of that event.</li><li>➤ Calculate independent probability using a tree diagram .</li><li>➤ Use probability tree diagrams to solve probability from 2 independent events.</li><li>➤ Calculate conditional probability using tree diagrams.</li><li>➤ Using tree diagrams calculate the probability of dependent events</li></ul>	<p>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:</p> $£1.5 + £0.5M \leq £20$ <ul style="list-style-type: none"><li>➤ The most common real life example of using probability is <b>weather forecasting</b>. Probability is used by weather forecasters to assess how likely it is that there will be rain, snow, clouds, etc. on a given day in a certain area.</li><li>➤ Probability is widely used in all sectors in daily life like <b>sports, weather reports, blood samples, predicting the sex of the baby in the womb, congenital disabilities, statics, and many.</b></li><li>➤ Probability is <b>the mathematical term for the likelihood that something will occur</b>, such as drawing an ace from a deck of cards or picking a green piece of candy from a bag of assorted colors. You use probability in daily life to make</li></ul>	<ul style="list-style-type: none"><li>➤ <a href="https://www.mathsisfun.com/algebra/graphing-linear-inequalities.html">inequalities-gcse-maths-revision-worksheets/</a></li><li>➤ <a href="https://www.mathsisfun.com/algebra/graphing-linear-inequalities.html">https://www.mathsisfun.com/algebra/graphing-linear-inequalities.html</a></li><li>➤ <a href="https://www.mathsisfun.com/data/probability.html">https://www.mathsisfun.com/data/probability.html</a></li><li>➤ <a href="https://www.mathworksheets4kids.com/probability.php">https://www.mathworksheets4kids.com/probability.php</a></li><li>➤ <a href="https://corbettmaths.com/2019/09/02/probability-practice-questions/">https://corbettmaths.com/2019/09/02/probability-practice-questions/</a></li><li>➤ <a href="https://www.softschools.com/math/probability_and_statistics/probability_games/">https://www.softschools.com/math/probability_and_statistics/probability_games/</a></li></ul>
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		decisions when you don't know for sure what the outcome will be.	
SCIENCE	<b>Topic:</b> Investigation on Acceleration	<b>Activity :</b> ➤ <b>Encourage</b> your ward to research on speed limit restrictions on roads and the needs to have them. ➤ <b>Ask the child to discuss</b> about acceleration and how it affects speed. ➤ Ask the child to research on acceleration and investigate and explain certain pieces of equipment or sources of information are the right choice for an investigation. ➤ <b>Encourage</b> the child to apply various precise equipment and design appropriate table to record accurate results use calculation and present data to draw conclusion.	➤ <a href="http://www.physicsclassroom.com/class/1DKin/Lesson-1/Speed-and-Velocity">http://www.physicsclassroom.com/class/1DKin/Lesson-1/Speed-and-Velocity</a>  ➤ <a href="http://www.bbc.co.uk/schools/gcsebit/esize/science/add_aqa/forces/forces_motionrev1.shtml">http://www.bbc.co.uk/schools/gcsebit/esize/science/add_aqa/forces/forces_motionrev1.shtml</a>  ➤ <a href="https://www.youtube.com/watch?v=yJkyzzBryEM">https://www.youtube.com/watch?v=yJkyzzBryEM</a>  ➤ <a href="https://www.khanacademy.org/science/physics/one-dimensional-motion/acceleration-tutorial/a/what-are-acceleration-vs-time-graphs">https://www.khanacademy.org/science/physics/one-dimensional-motion/acceleration-tutorial/a/what-are-acceleration-vs-time-graphs</a>  ➤ <a href="https://www.bbc.co.uk/bitesize/guide/s/zqv797h/revision/5">https://www.bbc.co.uk/bitesize/guide/s/zqv797h/revision/5</a>
PHYSICS	<b>Learning Objectives:</b> ➤ Plan and investigate acceleration using a trolley and ramp.  <b>Topic:</b> Analysing equilibrium  <b>Learning Objective:</b> ➤ To define opposing forces and equilibrium: weight held by stretched spring or supported on a compressed surface. ➤ To use force arrows in diagrams, adding forces in one dimension, balanced and unbalanced forces		



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<p>BIOLOGY</p>	<p><b>Topic:</b> Immunity - Vaccination and Diseases</p> <p><b>LEARNING OBJECTIVES:</b></p> <ul style="list-style-type: none"><li>➤ Describe how diseases are spread</li><li>➤ Consider ways of reducing the spread of specific diseases</li><li>➤ Describe how the body resists infection</li><li>➤ Investigate bacterial growth in different conditions</li><li>➤ Explain how bacteria can become immune to antibiotics.</li><li>➤ Evaluate the impact of superbugs on our health.</li><li>➤ Describe how vaccines were discovered.</li><li>➤ Explain how vaccines prevent a viral infection</li></ul>	<ul style="list-style-type: none"><li>➤ <b>Motivate your child</b> to make powtoon, prezi or google slides presentation on spread of diseases, their control and prevention.</li><li>➤ <b>Encourage</b> your child to research to describe bacterial growth. Create an animated video to explain how bacteria become resistant to certain antibiotics.</li><li>➤ Ask your child to create a presentation on how cleaning products can kill germs.</li><li>➤ Tell your child to conduct an online survey in your community to find out how Covid -19 can be prevented and cured.</li></ul>	<ul style="list-style-type: none"><li>➤ <a href="https://www.youtube.com/watch?v=2FvrXUUjPo4">https://www.youtube.com/watch?v=2FvrXUUjPo4</a></li><li>➤ <a href="https://www.youtube.com/watch?v=pOW62L7UmiY">https://www.youtube.com/watch?v=pOW62L7UmiY</a></li><li>➤ <a href="https://www.gavi.org/vaccineswork/there-are-four-types-covid-19-vaccines-heres-how-they-work">https://www.gavi.org/vaccineswork/there-are-four-types-covid-19-vaccines-heres-how-they-work</a></li></ul>
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CHEMISTRY	<p><b>Topic:</b> Balancing equations</p> <p><b>LEARNING OBJECTIVES:</b></p> <ul style="list-style-type: none"><li>To construct word equations and simple balanced chemical equations</li></ul> <p><b>Topic:</b> Ceramics, Polymers, and Composites</p> <p><b>LEARNING OBJECTIVES:</b></p> <ul style="list-style-type: none"><li>To have a knowledge and understanding of examples, uses, and structure of the types of materials – polymers, ceramics, or composites.</li></ul>	<ul style="list-style-type: none"><li>➤ <b>Discuss</b> with your child to give some real-life examples of chemical reactions and try to balance that equation. Examples are combustion, neutralization, and photosynthesis.</li><li>➤ <b>Talk to your child</b> about Ceramics and Polymers, what are they, and what is their composition. List their real-life uses.</li><li>➤ <b>Discuss</b> with them the different types of polymers, how are they made, and their uses based on their composition.</li><li>➤ Encourage your child to identify the difference between synthetic and natural polymers.</li></ul>	<ul style="list-style-type: none"><li>➤ <a href="https://www.wikihow.com/Balance-Chemical-Equations">https://www.wikihow.com/Balance-Chemical-Equations</a></li><li>➤ <a href="http://www.webqc.org/balance.php">http://www.webqc.org/balance.php</a></li><li>➤ <a href="https://www.bbc.com/bitesize/guides/ztxnsbk/revision/1">https://www.bbc.com/bitesize/guides/ztxnsbk/revision/1</a></li><li>➤ <a href="https://www.bbc.com/bitesize/guides/zyfgmnb/revision/1">https://www.bbc.com/bitesize/guides/zyfgmnb/revision/1</a></li></ul>
ARABIC (Arabs)	<p><b>Topic:</b> في حياة طفلة</p> <p><b>Learning Objectives:</b></p> <p>أن يحدد أفكار النص أن يحلل المقال تحليلاً أدبيّاً ناقداً</p> <p><b>التمييز</b></p> <p><b>Learning Objectives:</b></p> <p>أن يتعرف الطالب التمييز أن يعرّبه ويستخدمه في كتاباته</p>	<p>يكتب الطالب موضوعاً عن أهمية المكتبات</p> <p>يكتب جملاً تتضمن التمييز</p>	<p><a href="https://www.youtube.com/watch?v=ww6xnFSWKko">https://www.youtube.com/watch?v=ww6xnFSWKko</a></p> <p><a href="https://www.youtube.com/watch?v=zIRqK90SdXQ">https://www.youtube.com/watch?v=zIRqK90SdXQ</a></p>



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<p>ISLAMIC STUDIES (Arabs)</p>	<p><b>Topic:</b> تبشير وتحذير- لا للانتحار</p> <p><b>Learning Objectives:</b></p> <p>يشرح المعنى العام للحديث</p> <p>يستنتج الهدايات الواردة في الحديث</p> <p>يبين العلاقة بين الايمان بالله وخشيته في السر والعلن</p> <p>يستنتج آثار ستر الاعمال المنهي عنها</p> <p>يستنبط أسباب الستر</p> <p>يشرح المعنى العام للحديث الشريف</p> <p>يستنتج الهدايات الواردة في الحديث</p> <p>يبين مكانة النفس الانسانية في الاسلام</p> <p>يقترح حلولاً لمشكلة الانتحار</p> <p>بيدي رأيه في الانتحار</p>	<p>يكتب بحثاً عن الانتحار</p> <p>يكتب موضوعاً عن آثار المجاهرة بالمعاصي</p> <p>يكتب بحثاً عن الستر</p>	<p><a href="https://www.youtube.com/watch?v=aCboYZTAsZk">https://www.youtube.com/watch?v=aCboYZTAsZk</a></p> <p><a href="https://www.youtube.com/watch?v=6Cq6E9oEGUc&amp;t=18s">https://www.youtube.com/watch?v=6Cq6E9oEGUc&amp;t=18s</a></p>
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<p style="text-align: center;">ARABIC (Non- Arabs)</p>	<p><b>Topic:</b> Charity</p> <p>Volunteer and donation work</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"> <li>➤ To identify various charitable works.</li> <li>➤ To explain the importance of charitable work for himself and his community.</li> <li>➤ To mention life situations of some charitable work that his family did.</li> <li>➤ To write creative paragraphs on charitable work.</li> <li>➤ To deduce the benefit of charitable work and the importance of volunteer work.</li> <li>➤ To differentiate between volunteer work and different donation work.</li> <li>➤ To use literary and rhetorical methods in his creative writing.</li> </ul>	<p><b>Activity:</b></p> <ul style="list-style-type: none"> <li>➤ <b>Encourage</b> your child to do charitable work</li> <li>➤ <b>Motivate</b> your child for charitable work</li> <li>➤ <b>Create a video</b> about various charitable actions such as: visiting a sick person, visiting an orphanage, donating money, food and clothes.</li> <li>➤ Design a mind map for various charitable works.</li> <li>➤ <b>Activating a program</b> for charitable work.</li> <li>➤ Writing an article on the various charitable works carried out by the different Arab Emirates at home and abroad.</li> <li>➤ Recording a dialogue between family members to explain the importance and benefit of charitable work.</li> </ul>	<ul style="list-style-type: none"> <li>➤ <a href="https://www.youtube.com/watch?v=nj9LNjB5i4Q">https://www.youtube.com/watch?v=nj9LNjB5i4Q</a></li> <li>➤ <a href="https://www.youtube.com/watch?v=q4je9N26ouY">https://www.youtube.com/watch?v=q4je9N26ouY</a></li> <li>➤ <a href="https://www.youtube.com/watch?v=GwkfEwKIlbk">https://www.youtube.com/watch?v=GwkfEwKIlbk</a></li> <li>➤ <a href="https://www.youtube.com/watch?v=JEoJUdPhXA">https://www.youtube.com/watch?v=JEoJUdPhXA</a></li> </ul>
<p style="text-align: center;">ISLAMIC STUDIES (Non- Arabs)</p>	<p><b>Topic:</b> Al-Hajj- The Pilgrimage</p> <p>A Muslim's right on his brother</p> <p><b>Learning Objectives:</b></p>		<ul style="list-style-type: none"> <li>➤ <a href="https://www.youtube.com/watch?v=29HpUaJpwvl&amp;ab_channel=NowThisWorld">https://www.youtube.com/watch?v=29HpUaJpwvl&amp;ab_channel=NowThisWorld</a></li> </ul>



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	<ul style="list-style-type: none"> <li>➤ To explain the meaning and rulings of Hajj.</li> <li>➤ To identify the rituals and acts of Hajj performed by Prophet Muhammad(s)</li> <li>➤ To elucidate the importance of helping each other. ( By referencing ayat &amp; Ahadeeth)</li> <li>➤ To analyze the consequences of not helping others. ( By referencing real life)</li> <li>➤ To evaluate the benefits of helping others on an individual and society. ( by giving examples from Seerah)</li> </ul>		<ul style="list-style-type: none"> <li>➤ <a href="https://www.youtube.com/watch?v=3IAiGBeuzyw&amp;ab_channel=GreenLaneMasjid">https://www.youtube.com/watch?v=3IAiGBeuzyw&amp;ab_channel=GreenLaneMasjid</a></li> </ul>
PSHCEE	<p><b>Topic:</b> Homelessness and Bullying</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"> <li>➤ To define the word homelessness</li> <li>➤ To describe a homeless person</li> <li>➤ To examine the causes of homelessness</li> <li>➤ To discuss the impact of bullying and cyberbullying, as well as exploring appropriate ways of responding to discriminating, hurtful or intimidating behaviour</li> </ul>	<p><b>Activities:</b></p> <p><b>Discuss</b> with your children the reasons why people become homeless.</p> <p><b>Motivate</b> your children to show kindness to those people who have lost their home</p> <p><b>Discuss</b> with your children the danger of bullying and how it affects the lives of people.</p>	<ul style="list-style-type: none"> <li>➤ <a href="https://www.youtube.com/watch?v=gDkOnqQ8Xzk">https://www.youtube.com/watch?v=gDkOnqQ8Xzk</a></li> <li>➤ <a href="https://www.youtube.com/watch?v=87dKulJeNmQ">https://www.youtube.com/watch?v=87dKulJeNmQ</a></li> </ul>





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<p>MORAL EDUCATION</p>	<p><b>Topic:</b> Can I see beyond appearances</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>➤ To understand the cycle of bias and discrimination and how it can be overcome</li></ul>	<p><b>Activities:</b></p> <ul style="list-style-type: none"><li>➤ Together with your child discuss how travel helps people overcome prejudice</li><li>➤ Motivate your child to research on stereotypes with special focus on the question <b>“What we have heard and what we have heard are poles apart. Why is that?”</b></li><li>➤ Encourage your Child to research on the world and other people in it at any other time in history.</li></ul>	<p><a href="https://www.simplypsychology.org/prejudice.html">https://www.simplypsychology.org/prejudice.html</a></p>
<p>HISTORY</p>	<p><b>Topic:</b> World War II- Use of the bomb</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>➤ To analyse USA's involvement in WWII and the attack of the Pearl Harbor.</li></ul>	<p><b>Activities:</b></p> <p><b>Guide your child</b> to write the answer to the following question and Discuss</p> <ul style="list-style-type: none"><li>➤ Was the dropping of atom bomb justified? Explain your answer.</li></ul>	<p>Win History Workbook;</p> <p><a href="http://www.bbc.co.uk/history">www.bbc.co.uk/history</a> <a href="http://www.historyonthenet.com">www.history on the net</a></p> <p><a href="http://www.educationquizzes.com/ks3/history">www.educationquizzes.com/ks3/history</a></p> <p><a href="http://www.historyextra.com">http://www.historyextra.com</a></p>



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<p>GEOGRAPHY</p>	<p><b>Topic:</b> Biomes- Russia</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>➤ To examine the location and physical features of Russia and analyse its impact on the Biomes of of the country</li></ul>	<p><b>Activities:</b></p> <ul style="list-style-type: none"><li>➤ Help your child answer the following questions:</li><li>➤ How do the Ural Mountains affect the distribution of climate regions in Russia?</li><li>➤ Why has Siberia become an increasingly valuable area to Russia?</li><li>➤ What makes Lake Baikal unique?</li></ul>	<ul style="list-style-type: none"><li>➤ <a href="https://courses.lumenlearning.com/geophysical/chapter/climate-zones-and-biomes/">https://courses.lumenlearning.com/geophysical/chapter/climate-zones-and-biomes/</a></li><li>➤ <a href="http://kids.nceas.ucsb.edu/biomes/">http://kids.nceas.ucsb.edu/biomes/</a></li><li>➤ <a href="https://www.bbc.co.uk/bitesize/guides/zh2p34j/revision/2">https://www.bbc.co.uk/bitesize/guides/zh2p34j/revision/2</a></li><li>➤ <a href="https://www.nationalgeographic.org/encyclopedia/biome/">https://www.nationalgeographic.org/encyclopedia/biome/</a></li></ul>
<p>UAE SOCIAL STUDIES</p>	<p><b>Topic:</b> The rise of the Ottoman Empire</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>➤ To examine the creation of the Ottoman Empire</li></ul>	<p><b>Guide your child to answer the following question:</b></p> <ul style="list-style-type: none"><li>➤ What is different about the way the Europeans expanded and the way the Ottomans expanded.</li></ul>	<p><a href="#">Year 9 UAE SST MOE Text book</a></p>



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FRENCH	<p><b>Topic:</b> Pour faire la réservation d'un vol</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>➤ To give and to seek information while travelling and booking a flight ticket.</li><li>➤ To give an account of an air travel in details.</li></ul>	<p><b>Activities: Motivate your child to -</b></p> <p><b>Read and listen</b> and answer the given activity:</p> <ul style="list-style-type: none"><li>➤ <a href="http://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-8086.php">http://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-8086.php</a></li><li>➤ <a href="http://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-5852.php">http://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-5852.php</a></li></ul> <p>Grammar practice:</p> <ul style="list-style-type: none"><li>➤ <a href="http://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-17134.php">http://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-17134.php</a></li><li>➤ <a href="http://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-37534.php">http://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-37534.php</a></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.french-games.net">www.french-games.net</a></li><li>➤ <a href="http://www.francais.lingolia.com.fr">www.francais.lingolia.com.fr</a></li><li>➤ <a href="http://www.francaisfacile.com">www.francaisfacile.com</a></li></ul>
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ICT	<p><b>Topic:</b> SDLC</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>➤ To explore the key features of various stages in a system life cycle</li><li>➤ To justify the need to analyse, design, test, Implement, document and evaluate a system</li></ul>	<p><b>Activities: Guide your child to</b></p> <ul style="list-style-type: none"><li>➤ Explore the purpose of system analysis and design.</li><li>➤ Compare and contrast the disadvantages and advantages of the different methods.</li><li>➤ Mention the different stages of system analysis and design</li><li>➤ Design, use and evaluate computational abstractions that model the state and behaviour of real-world problems and physical.</li><li>➤ <b>Investigate and describe</b> methods of researching an existing system (e.g. observation, interviews, questionnaires and examination of existing documents.</li></ul>	<ul style="list-style-type: none"><li>➤ <a href="https://www.tutorialspoint.com/sdlc/sdlc_overview.htm">https://www.tutorialspoint.com/sdlc/sdlc_overview.htm</a></li><li>➤ <a href="#">System Development Life Cycle - Analysis Stage - CIE IGCSE ICT - Bing video</a></li><li>➤ <a href="https://www.ictlounge.com">https://www.ictlounge.com</a></li></ul>
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# The Winchester School

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

STEAM	<p><b>Topic:</b> SPACE AND ROCKET</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>➤ <b>To evaluate</b> how a star is formed and understand that the brightness of a star is due to its relative distance from Earth.</li></ul>	<p><b>Activities: Encourage your child to -</b></p> <ul style="list-style-type: none"><li>➤ Research and discuss the position of stars in the Milky Way.</li><li>➤ Explain about the milky way galaxies and gravitational force in the space.</li><li>➤ <b>Create</b> a 3D model for the solar system to simulate the sound of a rocket launch.</li><li>➤ <b>Create</b> a 3D model system to represent the relationship between the brightness of stars and their distance from Earth.</li></ul>	<ul style="list-style-type: none"><li>➤ <a href="#">Lessons for Minecraft Education   Minecraft Education Edition</a></li></ul>
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