The Winchester School
Year 8- Family Learning Newsletter –May- 2022

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	TOPIC: Reading skills LEARNING OBJECTIVES- ➢ To develop comprehension skills.	✓ In the light of the PTE, TIMSS and PISA and other exams that challenge the reading and analytical skills of the students, the following activity has been designed. ✓ Students will read the article provided in the link on marine life in the oceans. ✓ Create bullet points that cover the main points of the passage. ✓ With your child, look up Bloom's Taxonomy and create a range of questions that challenge the child on varied skills.	http://www.sciencejournalforkids.org/uploads/5/4/2/8/54289603/target_mpa_article.pdf http://www.bloomstaxonomy.org/Blooms%20Taxonomy%20questions.pdf
MATHS	TOPIC: Standard Form LEARNING OBJECTIVE: ➢ To be able to convert from the standard form to ordinary number ➢ To be able to multiply and divide numbers in standard form TOPIC -Pythagoras LEARNING OBJECTIVE:	Encourage your child to research on ✓ The application of standard form in real life. ✓ Size and distances from the sun. (Link to Planets) ✓ Size of molecules and atoms.(Link to Science) Motivate your child to add and subtract large numbers and answer them in the standard form Discuss with your child the application of the theorem in real life questions like –	https://corbettmaths.com/2013/04/28/standard-form/ https://corbettmaths.com/wp-content/uploads/2013/02/standard-form-pdf.pdf https://corbettmaths.com/2019/10/07/standard-form-textbook-exercise/

	➢ Will be able to apply Pythagoras theorem in right-angled triangle. ➢ Will be able to evaluate the missing sides of a right-angled triangle	A person has to walk 100 m to go from position X in the north of east direction to the position B and then to the west of Y to reach finally at position Z. The position Z is situated at the north of X and at a distance of 60 m from X. Find the distance between X and Y.	https://corbettmaths.com/wp-content/uploads/2013/02/pythagoras-pdf2.pdf https://corbettmaths.com/2012/08/19/pythagoras-video/ https://www.mathsisfun.com/search/search.html?query=proportion&submit=&search=1#ff
SCIENCE	**TOPIC**: Investigating muscles Examining interaction of muscles **LEARNING OBJECTIVES-** ➢ Compare muscle strength and identify the muscles used in some simple movements.	Encourage your child to ✓ Brainstorm ideas about how they could compare the strength of different muscles. Some suitable ideas are to compare the strength of left- and right-calf muscles by counting how many calf-raises per minute on each leg are possible, or comparing the strengths of right- and left-hand muscles by timing	https://courses.lumenlearning.com/ap1/chapter/the-muscular-system/ https://www.bbc.co.uk/bitesize/guides/zpkq7ty/revision/3

	➢ Compare muscle strength and identify muscles used in some complex movements. ➢ Make a prediction about which muscles are strongest. ➢ Describe how muscles work in pairs and make a simple model. ➢ Describe what antagonistic muscles are; give some examples and a simple explanation of how they bring about movement. ➢ Explain clearly how antagonistic muscles bring about movement; evaluate a model of antagonistic muscles.	how long they can squeeze a handgrip - strengthener ✓ Research on how muscle strength is measured accurately in sportspeople. ✓ Consider some different methods, such as testing the strength of the muscle directly, testing how quickly the muscles tire and testing agility. ✓ Think about what would happen if we did not have paired muscles for the bicep, quadricep or calf muscles. They then share their ideas. ✓ Draw out the idea of needing antagonistic muscles to move bones in both directions. ✓ Create a model of arms from cardboard and rubber bands using the templates and relate the movement of bones and muscles to the working of the lever (fulcrum, load & effort) ✓ Design a model demonstrating working of antagonistic muscles.- ICT ✓ Recall the topic by answering the following tests: https://www.bbc.co.uk/bitesize/guides/zpkq7ty/test https://www.bbc.co.uk/bitesize/guides/zpkr82p/test https://kidshealth.org/en/kids/msquiz.html	How your muscular system works? https://www.youtube.com/watch?v=VVL-8zr2hk4 The surprising reason our muscles get tired – https://www.youtube.com/watch?v=rLsimrBoYXc https://www.youtube.com/watch?v=MWuF57uNC0M

Subject	Topic / Learning Objectives	Activities	Links
ARABIC (Arabs)	TOPIC:النهر المتجمد LEARNING OBJECTIVES- أن يحدد المعنى الإجمالي للنص أن يحلل النص تحليلًا أدبيًّا أن يستنتج الدلالات التعبيرية الإيحائية في النص TOPIC:ضمائر الرفع المتصلة وإعرابها LEARNING OBJECTIVES- أن يميز ضمائر الرفع المتصلة أن يعربها	يكتب الطالب موضوعًا في وصف الطبيعة مستفيدًا من المعاني في النص يكتب جملًا تتضمن ضمائر الرفع المتصلة	https://sotor.com/%D8%AE%D8%B5%D8%A7%D8%A6%D8%B5-%D8%B4%D8%B9%D8%B1-%D8%A7%D9%84%D8%B7%D8%A8%D9%8A%D8%B9%D8%A9/ https://www.youtube.com/watch?v=eqR-nmDYD7s
ISLAMIC STUDIES (Non- Arabs)	TOPIC:تلاحم المجتمع -حرمة ترويع الإنسان MY HEALTH IS MY RESPONSIBILITY LEARNING OBJECTIVES- ✓ To identify the importance of human life in Islam (by giving example of Ahadeeth & Quran). ✓ To comprehend the prohibition of frightening and intimidating people.	Encourage your child to ✓ Create an article based on the consequences of not having a pure heart towards others. ✓ List ways to remove negative feelings from our hearts for others.	▫ https://www.yout-ube.com/watch?v=GKni72rRKow
ARABIC (Non- Arabs)	TOPIC:النظافة LEARNING OBJECTIVES- - أن يحلل النص تحليلًا لغويًا	- يكتب موضوعًا عن أهمية النظافة في مواجهة فيروس كورونا.	https://www.youtube.com/watch?v=05PG96VX-2o

	- أن يوظف الأساليب الأدبية. - أن يوضح النظافة الشخصية. - أن ينشيء موضوعًا عن النظافة. - أن يوضح رأيه في نظافة الأماكن العامة في دُبي. - أن يقارن بين الأماكن العامة في الإمارات و بلده. - أن يصمم خريطة ذهنية عن أهمية النظافة. - أن يناقش كيف نواجه فيروس كورونا. - أن يقترح حلًا للتخلص من المخلفات بطريقة آمنة. - أن يوضح أهمية إعادة التدوير.	- يصمم خريطة ذهنية عن النظافة. - عمل فيديو عن أهمية إعادة التدوير.	https://www.youtube.com/watch?v=dzsJTAVnARQ&t=47s https://www.youtube.com/watch?v=yqpW1GxqwoA https://www.youtube.com/watch?v=bg-A5kJi1P8
PSHCEE	TOPIC: EUROPEAN AWARENESS LEARNING OBJECTIVES- ➢ To discuss the history of the European Union ➢ To discuss how European Union works ➢ To discuss how the EU budget was spent.	Motivate your child to- ✓ Identify the flag of each country in the European Union. ✓ Play a guessing game with the family about the countries which are members of European Union	https://www.youtube.com/watch?v=Jniq8MTdSGw
MORAL EDUCATION	TOPIC: Digital Challenge LEARNING OBJECTIVES- ➢ To discuss the range of digital sources and how they reflect the context, purposes, culture values and views for the providers.	• Talk to your child about the range of digital sources and sites one engages with and how these reflect the context, purposes, culture, values and views of the providers.	https://www.youtube.com/watch?v=HxySrSbSY7o

HISTORY	TOPIC: Development of Democracy in Britain in the 19th century LEARNING OBJECTIVES- ➢ To identify the changes and evaluate the reasons on how democratic Britain was in the 19th century. ➢ To analyze the sources and evaluate the problems in the voting system of Britain in the 19th century.	Along with your child ✓ Discuss the source analysis and interpretation with relevant justification. ✓ Explain the existence of democracy in Britain through graphical representation. ✓ Create a Comparison between the electoral system in Britain in the 19th century and the system prevalent in Britain today.	**https://www.youtube.com/watch?v=8opqrE2jSmA** **https://www.youtube.com/watch?v=cC-OS6xzKzs**
GEOGRAPHY	TOPIC: Global warming LEARNING OBJECTIVES- To evaluate the causes and impacts of global warming	Discuss with your child ✓ What climate change is and how we may be directly or indirectly contributing to global warming. ✓ How may global warming affect people living in large cities such as Dubai? ✓ What measures can we take as a family to stop global warming and minimize its impacts? ✓ Create a board game that can be played by 4 people to create awareness about global warming.	https://www.economist.com/climate-change?utm_medium=cpc.adword.pd&utm_source=google&utm_campaign=a_21climatechange.2021-10-07&utm_content=conversion.other-brand.anonymous&gclsrc=aw.ds&gclid=EAIaIQobChMIu6brusWN9wIVuubjBx2CAQKGEAAYAiAAEgKC1fD_BwE https://www.thenationalnews.com/uae/environment/2021/08/09/what-are-the-5-main-causes-of-

			climate-change/?gclid=EAIaIQobChMIjty35MWN9wIVmoXVCh3XLAWnEAAYAiAAEgJ_RfD_BwE https://www.youtube.com/watch?v=-D_Np-3dVBQ
UAE SOCIAL STUDIES	TOPIC: Central Asian Countries (kazakhstan and Krygyzstan) LEARNING OBJECTIVES- To examine the history, culture, economy and politics of the Central Asian countries. (kazakhstan and Krygyzstan)	Help your child ✓ Research and find out the various factors that contribute to the success of the central Asian countries Create a presentation that showcases the different culture and geographical features of Kazakhstan and Kyrgyzstan	UAE SST MOE Text Book for year 8
FRENCH	TOPIC – Une visite à Paris LEARNING OBJECTIVES- ➢ To understand information on the main tourist attractions in Paris. ➢ To describe a visit to France.	Encourage your child to ✓ Take some time to go together on a virtual trip to Paris: ✓ Why does this capital attract so many tourists? ✓ Have you already planned your holidays? Ask your child to say in French what you're going to do or what you'd like to do. Compare it with what you did last time you went for holiday with your family.	https://quizlet.com/261764284/les-cadeaux-flash-cards/ https://quizlet.com/267915031/les-endroits-a-paris-flash-cards/ http://www.audiofrench.com/ https://youtu.be/pn8ZE5Yu4Zl

ICT	TOPIC: BlockChain technology LEARNING OBJECTIVES- ➢ To explore the various features of blockchain technology and its applications	Along with your child ✓ Evaluate the various features of block chain technology ✓ Explore the working of block chain technology ✓ Evaluate the three pillars of block chain technology.	https://www.ibm.com/topics/what-is-blockchain
STEAM	TOPIC: Animations in Micro: bit LEARNING OBJECTIVES: ➢ To create a dance sequence using decomposition. ➢ To create a flipbook animation of a dance sequence.	Encourage your child to ✓ Explore about the types of animations and its applications and how to implement the animations in Micro:bit. ✓ Design a simple dance sequence that meets the following criteria using Micro:bit: Has four movements, Includes a jump, Starts and ends with the same position.	https://microbit.org/lessons/volcano-animations-unit-of-work/