The Winchester School
Year 8- Family Learning Newsletter - September- 2023

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	**TOPIC: Othello** **LEARNING OBJECTIVES-** • To further explore the Elizabethan era in which the play is set. • To analyse the plot of Othello • To introduce students to Shakespearean English	• Encourage your child to watch the video to gain a better understanding of the Elizabethan era. • Motivate your ward to research on additional reading to help gain an insight into the era the text is set in. • Encourage the students to navigate through the maze of plot and subplot, along with an understanding of the characters. • Motivate your child to read the notes provided on the said webpage to help understand the text better. • Encourage your child to create a flowchart of the plot outlining the major events that change the course of the plot. • Motivate your child to watch and understand Shakespeare's use of the English language. Through YouTube, search for videos on Shakespearean English. Help your child create a self-introduction using Shakespearean English.	[The Elizabethan Era Summary | Shakespeare Age Or Age of Renaissance | History of English Literature - YouTube](#)
MATHS	**TOPIC – EXPRESSIONS**	• **Discuss and Share** your experience Visit a grocery store and encourage your child to estimate the cost of items in your grocery cart.	

LEARNING OBJECTIVE:

- Construct and simplify linear expressions.
- Multiply algebraic terms and combining like terms.
- Expand and simplify expressions involving brackets using distributive property.
- Solve expressions using the substitution method.

TOPIC – FACTORISATION

LEARNING OBJECTIVE-

- Factorize an expression by taking common factors

- **Challenge** the students to estimate the total amount as close to the actual cost.
- **Talk:** To your child and ask to give you a mathematical expression for the items in the grocery cart.
- **Examples**:
  - If I bake "cookies every day.
  - How many cookies would I bake in seven days or 1 month?
  - You read "" books each week. How many books would you read over a period of four weeks?
- **Encourage** the students to solve simply riddles based on ages.
- **Example**: If Richard is x years old how old will Richard be in 2 years times?
  How old was Richard "y" years ago?
- **Research:** The use of Algebra in real life.
- **Activity:** Encourage the student to pick the highest common factor from a set of numbers/ expressions.

An activity to simplify the expressions in the given figure and colour according to the colour code given in question.

- http://www.sharemylesson.com/ResourceDetail.aspx?storyCode=3007242&
- https://corbettmaths.com/2013/03/12/forming-algebraic-notation/
- https://www.tes.co.uk/teachingresource/substitution-worksheet6030216
- https://www.mathsisfun.com/definitions/expression.html
- https://www.mathsisfun.com/algebra/factoring.html
- https://www.khanacademy.org/math/algebra/polynomialfactorization/factoring-polynomials-1common-factors/v/factoring-and-thedistributive-property-3

| SCIENCE | **TOPIC –**
• **Physical changes**
• **Interaction of organisms in the environment**

LEARNING OBJECTIVES-
• Interpret and analyse heating and cooling curves
• Explain latent heat and analyse the impact of impurities on melting and boiling points through data to conclude if a substance is pure or impure.
• Explain Brownian motion in gases and its significance.
• Compare and contrast how solids, liquids and gases behave during thermal expansion.
• Evaluate the risks of monoculture on world food security.
• Explain the process of bioaccumulation
• Analyze and evaluate the factors affecting endangered species and recommend solutions | • Encourage students to interpret the heating and cooling curves in their daily life.
• Motivate the students to produce new ideas to apply the concepts of latent heat in real life and analyse the effect of impurities on the curves.
• Encourage the students to research Application of Brownian motion in daily life.
• Motivate the students to create a fact sheet on the applications of thermal expansion.
• Encourage the students to create an interactive page on the effect of thermal expansion on solids, liquids and gases.
• Motivate the students will create a news report on the risk of monoculture on the world food security and bioaccumulation on the environment. | http://www.kentchemistry.com/links/Matter/HeatingCurve.htm

https://chemistry.stackexchange.com/questions/61883/effect-of-impurities-on-melting-point
http://www.scienceclarified.com/everyday/Real-Life-Chemistry-Vol-4/Thermal-Expansion.html
https://ourworld.unu.edu/en/growing-corporate-hold-on-farmland-risky-for-world-food-security

https://www.sciencedaily.com/releases/2011/03/110330214709.htm

https://www.sciencedirect.com/topics/chemistry/bioaccumulation |

			https://www.nature.com/news/2011/110418/full/news.2011.243.html https://ec.europa.eu/research-and-innovation/en/horizon-magazine/rise-and-fall-monoculture-farming
ARABIC (Arabs)	**TOPIC –** من تجارب الحياة **LEARNING OBJECTIVES-** يحلل النص الشعري تحليلًا أدبيًّا ينثر النص نثرًا أدبيًّا يقارن بين النص ونص خارجي من حيث الأفكار والأسلوب يكتب موضوعًا عن الصداقة واختيار الصديق **TOPIC –** مراجعة النحو- أنواع الخبر **LEARNING OBJECTIVES-** يستنتج أنواع الخبر في الجملة الاسمية يوظف أنواع الخبر في كتاباته يعرب أنواع الخبر إعرابًا صحيحًا **TOPIC –** مراجعة البلاغة- الطباق وأنواعه **LEARNING OBJECTIVES-** يستنبط الطباق وأنواعه يوظفه في كتابة فقرة	يكتب موضوعًا عن الصداقة واختيار الصديق يكتب فقرة تتضمن أنواع الخبر يكتب فقرة تتضمن الطباق يصف شخصية من اختياره وصفًا داخليًّا وخارجيًّا	• https://www.youtube.com/watch?v=CunvLOI8h_k • https://youtu.be/wjyBlGUEEFI • https://www.youtube.com/watch?v=JA8gajNEDG4 • https://www.youtube.com/watch?app=desktop&v=7pbqZHBO8Mg&t=32s

	TOPIC – كتابة نص وصفي- وصف الشخصية **LEARNING OBJECTIVES-** يستنتج تقنيات النص الوصفي يصف شخصية من اختياره داخليًا وخارجيًا		
ISLAMIC STUDIES (Arabs)	**TOPIC –** الإخلاص - صدق الرسول - الأعمال بالنيات **LEARNING OBJECTIVES-** يبيّن المتعلمُ المعنى الإجمالي للآيات القرآنيةْ. يدلل على صدق النبي صلى الله عليه وسلم يبين دلالات الحديث الشريف . يستنتج العلاقة بين إخلاص النية وقبول الأعمال يستنتج العلامات الدالة على الإخلاص	استنتاج الحكمة من إرسال الرسل يوضح مواقف الناس من رسالة النبي صلى الله عليه وسلم يعلل سبب اقتران صلاح الأعمال بالنيات. يشرح كيفية تحويل العادات اليومية إلى عبادات. يدلل على الإخلاص من القرآن والسنة.	• https://youtu.be/6mjaZhhGqjg • https://www.youtube.com/watch?v=kt4 Lt_oU34k • https://www.youtube.com/watch?v=C6j zrmJy7QU
ARABIC (Non- Arabs)	**TOPIC –** الحياة في الماضي والحاضر **LEARNING OBJECTIVES-** - أن يصف الطالب الحياة في الماضي. - أن يقارن الطالب الشوارع والخدمات في الماضي والحاضر. - ان يصف الملابس قديمًا وحديثًا. - أن يبدي رأيه في الملابس في الماضي والحاضر. - أن يحلل النص تحليلًا أدبيًا ولغويًا. - أن يوظف أسلوب التعجب في سياقات مختلفة. - أن يوظف أسلوب التفضيل في سياقات مختلفة.	- كتابة موضوع عن الحياة في الماضي والحاضر. - تسجيل فيديو يقارن فيه بين الحياة في الإمارات قديمًا وحديثًا. – يجري حزارًا مع والده ووالدته عن الحياة قديمًا وحديثًا.	• https://www.youtube.com/watch?v=u6M 2giwSK4o&t=16s • https://www.youtube.com/watch?v=so1 cWcXRu5U&t=3s • https://www.youtube.com/watch?v=ol1g hxtIpjQ&t=5s

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ISLAMIC STUDIES (Non- Arabs)	**Topic –Honesty of the prophet (p.b.u.h)** **Learning objectives-** • To elucidate the concept and importance of honesty and truthfulness. • To analyse the character of prophet (p.b.u.h) as the most truthful and honest person **Topic: Acts are judged by intention** **Learning objectives-** • To elucidate the concept and significance of pure intention • To evaluate the benefits of sincere intentions on an individual and society.	● Encourage your ward to record a video on the consequences of dishonesty on society. If you witness your friend is dishonest and untruthful, how would you explain the virtues of these two traits to him in order to make him a good person? Convince him/her by giving reference of a hadeeth. ● Motivate your child to write down an article on the benefits of good intention on an individual and society. If most of the people of a society practice good and sincere intention towards each other, how does that society look like. Give examples from Seerah.	● https://www.youtube.com/watch?v=2l0Fz2vBzYc&t=2s&ab_channel=FreeQuranEducation ● https://www.youtube.com/watch?v=CPKCW2_v4BU&ab_channel=DawahTeam
PSHCEE	**TOPIC – Study Skills** **LEARNING OBJECTIVES-** ● To be able to write an essay	● Motivate your child to develop study habits ● Encourage your child to make a study schedule.	● https://www.educationcorner.com/study-skills.html

	● To evaluate the importance of developing study habits.		
MORAL EDUCATION	**TOPIC – Duties and Responsibilities** **LEARNING OBJECTIVES-** ● Will be able to examine responsibilities and duties towards other people ● Clarifying the duties and responsibilities of parents towards their children (providing them with food, clothes and shelter; protecting them against risks, preserving their lives; providing them with advice and guidance concerning life and education) ● Identifying parents' responsibilities for any harm caused by their child to the properties of others and in case the child violates the laws	● Along with your child identify his/her responsibilities at home, at school, and in the community. ● Discuss with your child the different roles of each member of your family.	● [(10) Children's rights and responsibilities - YouTube](#)
HISTORY	**TOPIC: Skill Bank** **LEARNING OBJECTIVES-** ● To categorise and evaluate the sources of information.	**Encourage your child to** ● Write at least two rights and responsibilities that you have to follow as a citizen and a resident of the UAE. ● Practice their responsibilities and duties at home.	● https://www.youtube.com/watch?v=TyP09S0UEzA

GEOGRAPHY	**TOPIC: POPULATION** **LEARNING OBJECTIVES**- • To assess the impact of the fast-growing population and the population all over the world.	**Motivate to your child** • To learn about how UAE is affected by the increase in population. • To research on how drastic climatic changes have impacted the population of the world.	• Text book/ online resources https://unstats.un.org/unsd/demographic-social/census/COVID- 19/
UAE SOCIAL STUDIES	**TOPIC: – Maps & mapping skills: Using Geographic information system (GIA)** **LEARNING OBJECTIVES-** • To identify GIS data and explain the usage of this data in our life	**Discuss with your child-** • The patterns on a GIS map with real life links. • The importance of data in GIS.	• https://www.youtube.com/watch?v=6AlH5TvFoLw • https://www.youtube.com/watch?v=zZ0R6726qFE
FRENCH	**TOPIC – Je joue au foot, je fais de la natation** **LEARNING OBJECTIVES-** • To talk about favourite sports and musical instruments while mentioning his opinion, justify it and how often he / she is practising them. • To emphasise the use of the 1st group verbs ''er'' and v. faire + different prepositions that match each sport.	• Encourage your child to do regular work: 15-20 minutes 5 times a week spent with French will guarantee good progress. • Motivate your child Listen to a French radio station together while doing household chores. • Motivate your child to give a good example trying to memorise some French vocabulary.	• Learn French - Sports Vocabulary lesson - Les sports - Los deportes en francés - Bing video • Vocabulaire: Les sports (avec les verbes "faire" et "jouer") - Bing video • Les verbes du sport : faire, jouer et pratiquer - Bing video • Faire (to do/make) — Present Tense (French verbs conjugated by Learn French With Alexa) - Bing video

		''Studying foreign languages is proven to be one of the best ways to stimulate the brain.''	• Les activités: faire ou jouer? 🏃 | France Podcasts • Parler de sports et de loisirs: Faire ou jouer ? (ohlalafrenchcourse.fr)
ICT	**TOPIC: Storage Devices** **LEARNING OBJECTIVES-** • To explore and evaluate applications of various Storage devices. • Investigate about HDDs and SSDs.	**Along with your child to** • Investigate about the HDDs and SSDs and its applications. • Evaluate the performance of HDDs and SSDs and create a report which is the best option. • Research and conclude how an SSD can accelerate your computer from business solutions to gaming.	• https://www.intel.com/content/www/us/en/products/docs/memory-storage/solid-state-drives/ssd-vs-hdd.html
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.	**Motivate your child to** • Develop understanding of issues around road safety for wheelchair users, especially at night. • Design and create a prototype of a flashing wheel light using micro:bit to help wheelchair users 'Be Safe: Be Seen!' at night. Test, debug, evaluate and present a Flashing wheel light prototype.	• https://microbit.org/lessons/nightsensor/