



AL AIN JUNIORS SCHOOL

LEARNING TRAILS

Grade: 11

Term 1: Week 12

Date: 17th November – 21st November 2019

Subjects	Lesson	Concepts	Learning Objectives	Homework
General Arabic	إحتفالات ومناسبات إسلامية	ليلة القدر/غزوة بدر الكبرى/الأعياد	يقرأ قراءة صحيحة خالية من الأخطاء يستخرج الأفكار الرئيسية	اكتب فقرة عن احدي المناسبات في بلدك
Advanced Arabic	اسم التفضيل	أكبر من - أكثر انشغالاً- خير - شر	أن يتعرف اسم التفضيل-وكيفية صياغته-ويوظفه في جمل مفيدة	يكتب تقرير عن زيارة الطالب لمكتبة زايد وسمعه محاضرة عن التسامح
Islamic Studies – Arabic	مصادر التشريع الاسلامي		يتعرف مصادر التشريع الاسلامي	تقرير عن التربية الاسلامية
Islamic Studies – English	The Battle of confederate	History of Muslims	Explain the overall meanings of the verses Describe the story in detail	Students activity in the textbook
Math	6. Permutations and combinations	Permutations, combinations	<ul style="list-style-type: none">•• understand the terms permutation and combination, and solve simple problems involving selectionsNotes and examples•• solve problems about arrangements of objects in a line, including those involving<ul style="list-style-type: none">— repetition (e.g. the number of ways of arranging the letters of the word 'NEEDLESS')— restriction (e.g. the number of ways several	Exercise Problems and Topical past paper questions.



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			people can stand in a line if two particular people must, or must not, stand next to each Other.	
Biology	<p>6 Nucleic acids and protein synthesis</p> <p>6.1 Structure and replication of DNA</p>	<p>1. Structure of nucleotide , DNA , ATP</p> <p>2. Complementary base pairing concept for nitrogenous bases</p>	<p>a) describe the structure of nucleotides, including the phosphorylated nucleotide ATP (structural formulae are not required)</p> <p>b) describe the structure of RNA and DNA and explain the importance of base pairing and the different hydrogen bonding between bases (include reference to adenine and guanine as purines and to cytosine, thymine and uracil as pyrimidines)</p>	Past Papers
Chemistry	Equilibria	<p>Reversible reaction and concept of Le-Chatelier's principle and how changing conditions affect the position of equilibrium.</p> <p>K and K_c calculations</p>	<p>Reversible reactions are those who can take place in both forward and backward direction. Dynamic Eq is a state in which rate of forward reaction is equal to backward and there is no change in concentration of reactants and products in a closed system.</p> <p>Developing skills in writing K_c and K_p expressions and calculation of their</p>	



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			values.	
Physics	Deformation of solids-Revision Waves Progression test on Dynamics and Forces Lesson	Stress, strain and young modulus Doppler Effect, Intensity , Different types of waves and characteristics	Compare transverse and longitudinal waves 14.1 full in syllabus Doppler Effect Use the formula for Doppler effect to find the observed frequency Appreciate that doppler shift is observed with all waves including sound and light Solve qns using the speed , velocity and wavelength.	Past paper qn for every concept
IT	The digital divide	Causes for digital divide	understand that the digital divide refers to the gap between people and regions that have access to aspects of modern technology understand that the digital divide can exist between: — people in cities and people in rural areas — the educated and the uneducated — socioeconomic groups — more and less industrially developed nations	Past paper questions



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			— high and low performance computers, wireless connections	
Business Studies	The marketing mix	Marketing mix Product & Price	To analyse the importance of customer and customer relationship in marketing	Case study: How much brands are worth
Economics	The macro economy	Principles of absolute and comparative advantage Trade creation and trade diversion The benefits of free trade	To explain and evaluate the benefits and drawbacks for individual nations of being members of free trade areas To explain trade creation and trade diversion To explain how the principles of absolute and comparative advantage based on differences in opportunity cost	Topical based questions Reference book question no 2 a and 2 b
Accounting	Ratio analysis ..Contd	Apply profitability, liquidity and turnover ratios in the preparation of financial statements	Formulate financial statements using ratios	M/J 2016 all variants

Class Teacher: _____