

AL AIN JUNIORS SCHOOL- BRITISH SYSTEM

LEARNING TRAILS

AY 2023-24: Term 2_Week 9 (26th to 1st March 2024)

GRADE 12

MATHEMATICS	IT
<p>Topics: Hypothesis Testing</p> <p>Learning Objectives: To be able to find the probability of Type 1 Error & Type 2 Error.</p> <p>Resources needed: Sample questions, One sample paper for Revision.</p> <p>Homework/Assignments: Past paper 2018 May/june</p>	<p>Topics: Programming for the web (JavaScript): A range of object-based JavaScript programming techniques and terms. IT in society</p> <p>Learning Objectives: Write programs using arrays. Differentiate between array and object. Use alert(), prompt(), confirm() Functions. Execute interval methods: setTimeout(), setInterval() Describe the advantages and disadvantages of digital currencies. Analyze the impact and risks of digital currencies.</p> <p>Resources needed: Computer, Text book, past papers, activity sheets.</p> <p>Homework/Assignments: Solve past paper questions. Write java script programs using array.</p>
ADVANCED ARABIC	GENERAL ARABIC
<p>Topics: السيرة الروائية(قلم زينب) الفصول 7- 14</p> <p>Learning Objectives: أن يحلل المتعلم رواية فنية موضحاً فكرتها وخصائصها وتطور أحداثها ومقومات شخصياتها أن يحلل المتعلم الرواية إلى عناصرها الفنية مستخدماً المخططات والرسومات لتوضيح العلاقات بين الشخصيات وتطور الخط الزمني للرواية</p> <p>Resources needed: الرواية ، العرض التقديمي ، منصة ألف</p> <p>Homework/Assignments: حل التمرينات في منصة ألف</p>	<p>Topics: الألعاب الأولمبية</p> <p>Learning Objectives: أن يتعرف المتعلم على المفردات الجديدة أن يوضح المتعلم المقصود بالألعاب الأولمبية أن يستنتج المتعلم دور الرياضة في حياة الإنسان أن يستخرج المتعلم المهارات اللغوية والنحوية من الدرس</p> <p>Resources needed: كتاب الطالب - الدفتر - العرض التقديمي - فيديو عن الألعاب الأولمبية</p> <p>Homework/Assignments: كتابة فقرة عن تاريخ الألعاب الأولمبية</p>

PHYSICS	BIOLOGY
<p>Topics: Planning, analysis and evaluation</p> <p>Learning Objectives: Should be able to Define the problem Describe method of data collection, method of analysis Calculate uncertainties Plot and draw best and worst fit lines</p> <p>Resources needed: Smart board, calculator, pen, pencil, 30cm long transparent rule</p> <p>Homework/Assignments: <i>Topical past paper – Nuclear Physics</i></p>	<p>Topics: Conservation</p> <p>Learning Objectives: 1)use Spearman’s rank correlation and Pearson’s linear correlation to analyse the relationships between two variables. 2)use Simpson’s index of diversity (D) to calculate the biodiversity of an area. 3)Explain why populations and species can become extinct. outline reasons for the need to maintain biodiversity 4) outline the roles of zoos, botanic gardens, conserved areas. 5)explain reasons for controlling invasive alien species 6) outline the role of IUCN and CITES</p> <p>Resources needed: Textbook, note book, Smart board, Topical questions, stationaries</p> <p>Homework/Assignments: Solve the activity sheet</p>
ISLAMIC ARABIC	ISLAMIC EDUCATION
<p>Topics: التفكير الابداعي</p> <p>Learning Objectives: أن يبين مفهوم التفكير الابداعي أن يستنتج أثر الاسلام على الابداع أن يوضح الأمور التي تعين على الابداع</p> <p>Resources needed: الكتاب المدرسي بوربوينت أنشطة تعليمية منصة ألف</p> <p>Homework/Assignments:</p> <ul style="list-style-type: none"> • حل أنشطة الطالب • حل أسئلة منصة ألف 	<p>Topics: Creative Thinking</p> <p>Learning Objectives: Explain the verses of the Quran. Discuss the theme of the Quran.</p> <p>Resources needed: Board, projector, marker, textbook</p> <p>Homework/Assignments: Solve students' activity in textbook</p>

CHEMISTRY	ACCOUNTING
<p>Topics: 37.4 Proton (¹H) NMR spectroscopy</p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> analyze and interpret a proton (¹H) NMR spectrum of a simple molecule predict the chemical shifts and splitting patterns of the protons in a given molecule describe the use of tetramethylsilane, TMS, as the standard for chemical shift measurements state the need for deuterated solvents, e.g. CDCl₃, when obtaining a proton NMR spectrum describe the identification of O–H and N–H protons by proton exchange using D₂O <p>Resources needed: Smartboard, whiteboard, textbook Homework/Assignments:</p>	<p>Topics: Activity based costing</p> <p>Learning Objectives: Identify the appropriate cost driver – apportion and allocate overheads – calculate the total cost and selling price of a unit • the effect of different methods of overhead absorption on cost and profit • how to apply ABC costing techniques to make business decisions and recommendations using supporting data</p> <p>Resources needed: Text book questions Rules and Format Homework/Assignments: Topical questions</p>
BUSINESS	ECONOMICS
<p>Topics: Unit 1 – Revision – Economic Influences on Business activity.</p> <p>Learning Objectives: To revise and practice students for upcoming CIE exam</p> <p>Resources needed: ISBN: 978-1108921220 https://schoolsuporthub.cambridgeinternational.org/past-exam-papers/?keywords=9609</p> <p>Homework/Assignments: Solve the data response question</p>	<p>Topics: Globalization</p> <p>Learning Objectives: To understand the meaning of globalization To analyze the causes and consequences of globalization To evaluate the forms of economic integrations in the world.</p> <p>Resources needed: Economics by Peter Smith</p> <p>Homework/Assignments: Find solutions to the textual questions.</p>