

AL AIN JUNIORS SCHOOL- BRITISH SYSTEM

LEARNING TRAILS

AY 2023-24: Term 1_Week 14 (27th to 1st December 2023)

GRADE 12

MATHEMATICS	IT
<p>Topics: Chapter 6 , Numerical solution Chapter 7 Differential Equations.</p> <p>Learning Objectives: To be able to understand solution to exist or not using sign change rule. To be able to find the solution using the Iterative method. To be able to solve differential equations.</p> <p>Resources needed: Sample questions.</p> <p>Homework/Assignments: Topical Past paper questions.</p>	<p>Topics: Communications technology Routing data in networks: packet switching, circuit switching, message switching</p> <p>Learning Objectives: Describe the structure of packets (to include what is contained in the packets) Describe different data transmission methods including: Circuit switching, message switching and packet switching. Analyze the purpose and use of network addressing systems Including: Media Access Control (MAC) addressing, IP addressing (IP4 and IP6)</p> <p>Resources needed:Text book, ppt, Videos.</p> <p>Homework/Assignments: Solve past paper questions</p>
ADVANCED ARABIC	GENERAL ARABIC
<p>Topics: إن وأخواتها لا النافية للجنس ظن وأخواتها</p> <p>Learning Objectives: أن يحدد المتعلم عناصر الجملة أن يعرب المتعلم ما تحته خط</p> <p>Resources needed: الكتاب المدرسي- الدفتر المدرسي - العرض التقديمي - مقاطع فيديو - منصة ألف</p> <p>Homework/Assignments: حل تمارينات الدرس في الكتاب المدرسي - حل التمارينات المطلوبة في منصة ألف</p>	<p>Topics: الضمائر المتصلة والمنفصلة</p> <p>Learning Objectives: أن يتعرف الطالب على الضمائر أن يميز الطالب بين الضمائر المتصلة والمنفصلة</p> <p>Resources needed: - الكتاب المدرسي- الدفتر - العرض التقديمي - مقاطع فيديو</p> <p>Homework/Assignments: حل التدريبات في كتاب الطالب صفحة 33</p>

PHYSICS	BIOLOGY
<p>Topics: Magnetic field - EMI</p> <p>Learning Objectives: Should be able to: Explain direction of force on two parallel current carrying conductors State and apply Faraday's law and Lenz law to solve problems Describe methods of inducing e.m.f. Solve sample problems</p> <p>Resources needed: Copy book, Calculator and stationeries</p> <p>Homework/Assignments: Topical Past papers - Capacitors</p>	<p>Topics: Inheritance</p> <p>Learning Objectives: use of Chi square test to test the significance of difference between expected and observed result Solve the given questions Explain the relationship between genes proteins and phenotype with respect to Albinism , Hemophilia , huntington's disease .</p> <p>Resources needed: Text book ,note book ,stationeries ,Calculator</p> <p>Homework/Assignments: Solve the topical questions</p>
ISLAMIC ARABIC	ISLAMIC EDUCATION
<p>Topics:المسؤولية في الإسلام</p> <p>Learning Objectives: أن يميز بين المسؤولية الفردية والجماعية أن يحدد نظرة الاسلام للمسؤولية والانسان أن يوضح مجالات المسؤولية الفردية أن يبين العلاقة بين المسؤولية الفردية والجماعية أن يمثل للمسؤولية الجماعية من مؤسسات المجتمع الاماراتي ويتحمل مسؤولية ما كلف به</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: Divine Laws</p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> Understand the concept of Divine Laws in Islam. Identify and analyze the different types of Divine Laws. Apply the Divine Laws to real-life situations and make informed ethical decisions. <p>Resources needed:</p> <ol style="list-style-type: none"> Apps: Islamic Legal Studies apps, Quran apps, Hadith apps. Links: Online resources such as reputable Islamic websites, academic journals, and video lectures <p>Homework/Assignments: Solve students' activities in the textbook. Revise PPT</p>

CHEMISTRY	ACCOUNTING
<p>Topics: Revisting the lesson taught</p> <p>Learning Objectives: To revise and practice the topics taught so far.</p> <p>Resources needed: Past papers</p> <p>Homework/Assignments: Practice some past paper questions</p>	<p>Topics: International Accounting Standard</p> <p>Learning Objectives: Analyse each of the following International Accounting Standards (IAS): – IAS 8 Accounting policies, changes in accounting estimates and errors IAS 10 Events after the reporting period IAS 16 Property, plant and equipment IAS 36 Impairment of assets IAS 37 Provisions, contingent liabilities and contingent assets IAS 38 Intangible assets</p> <p>Resources needed: AS and A level Accounting by David Hopkins and Harold Randall IAS booklet</p> <p>Homework/Assignments: Topical questions</p>
BUSINESS	ECONOMICS
<p>Topics: Human Resources strategies</p> <p>Learning Objectives: To find out appropriate HR strategies to achieve the corporate goals of Business To apply these strategies in important business scenarios</p> <p>Resources needed: Textbook Past papers and mark scheme as published by CIE</p> <p>Homework/Assignments: Practice end of unit questions given in the textbook</p>	<p>Topics: Labour Market Forces and government intervention</p> <p>Learning Objectives: To understand the meaning of Monopsony To analyze the Monopsony buyer of labour with the help of diagram To discuss the Monopsonistic Labour market with the help hypothetically made diagram To evaluate the role of minimum wage in a perfectly competitive Labour Market</p> <p>Resources needed:Economics By Peter smith Questions with solutions from the Past CIE papers</p> <p>Homework/Assignments: Go through the Pre-Mock portions and learn the important terms, concepts and HOT questions with solutions from the lesson: 18</p>