

AL AIN JUNIORS SCHOOL- BRITISH SYSTEM

LEARNING TRAILS

AY 2023-24: Term 1_Week 11 (6th to 10th November 2023)

GRADE 10

ENGLISH	MATHEMATICS
<p>Topics: Reading and writing</p> <p>Learning Objectives; Students will be able to practice real exam type questions and will solve them within the time limit.</p> <p>Resources needed: Past papers</p> <p>Homework/Assignments: Writing exercise 6-7</p>	<p>Topics: Symmetry, Vector Learning Objectives; To know how Draw the lines of symmetry on a 2D shape. Find the order of rotational symmetry for a 2-D shape. Recognize shapes with rotational symmetry. To find the planes and axes of symmetry of simple three-dimensional shapes. Understand the meaning of a vector and identify vectors. Know different ways of representing vectors. Add and subtract column vectors</p> <p>Resources needed: Text book, work sheets, geometry box</p> <p>Homework/Assignments: Symmetry Question Bank, weekly test, past paper</p>
ADVANCED ARABIC	GENERAL ARABIC
<p>Topics: نص معلوماتي : التسوق الالكتروني</p> <p>Learning Objectives;</p> <ul style="list-style-type: none">• أن يحدد المتعلم الفكر الرئيسية والفكر الفرعية في النص• أن يحلل المعلومات الصريحة والضمنية مستشهدا بمصادر متعددة من الأدلة• أن يدمج المعلومات المقدمة في موضوع محدد باستخدام وسائل مختلفة <p>Resources needed:</p> <ul style="list-style-type: none">• الكتاب المدرسي• منصة ألف• اختبار الالكتروني• بوربوينت	<p>Topics: الشغف بالعمل</p> <p>Learning Objectives; أن يتعرف الطالب المفردات الجديدة أن يقارن الطالب بين شخص يحب عمله وشخص لا يحب العمل أن يكتب الطالب فقرة عن كيفية تحقيق النجاح في المستقبل أن يجيب الطالب عن الأسئلة</p> <p>Resources needed: الكتاب المدرسي _ بوربوينت _ أنشطة تعليمية صفية</p> <p>Homework/Assignments: أن يكتب الطالب عن خطوات وتعليمات لتحقيق النجاح في العمل المستقبلي</p>

<ul style="list-style-type: none"> • Homework/Assignments: حل أسئلة الكتاب المدرسي - حل أسئلة منصة ألف 	
<p style="text-align: center;">PHYSICS</p>	<p style="text-align: center;">BIOLOGY</p>
<p>Topics: Magnetic effect of a current Forces on a current carrying conductor</p> <p>Learning Objectives; Describe the pattern and direction of magnetic field due to currents in straight wires and in solenoids Describe how the magnetic effect of current used in relays and loudspeakers</p> <p>Resources needed: Workbook, past paper booklet, electromagnet</p> <p>Homework/Assignments: Solve questions from past paper May /June 2016-2020</p>	<p>Topics: <u>SEXUAL REPRODUCTION IN PLANTS AND HUMAN</u></p> <p>learning Objectives; Describe Fertilization in plants, and environmental conditions necessary for seed germination. Identify on diagrams of male and female reproductive system. with their functions. Explain fertilization and the adaptive features of sperm and egg. State that in early development, the zygote forms an embryo</p> <p>Resources needed: Textbook, ppt, past papers, work book.</p> <p>Homework/Assignments: Solve 2021 may June paper 4-2</p>
<p style="text-align: center;">ISLAMIC ARABIC</p>	<p style="text-align: center;">ISLAMIC EDUCATION</p>
<p>Topics: <u>مراحل جمع القرآن الكريم وتدوينه</u></p> <p>Learning Objectives; أن يوضح مراحل جمع القرآن الكريم- أن يقارن بين جهود أبي بكر الصديق وعثمان بن عفان في خدمة القرآن الكريم يبين دور الصحابة في خدمة القرآن الكريم</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: STAGES OF QURAN COLLECTION</p> <p>Learning Objectives; EXPLAIN THE QURANIC AYAT EXPLAIN THE STATGES OF COLLECTION OF QURAN</p> <p>Resources needed: a. Quran Explorer app b. Bayyinah TV website c. Islamicity website</p> <p>Homework/Assignments: SOLVE STUDENTS' ACTIVITIES IN TEXTBOOK REVISE PPT</p>

CHEMISTRY	ICT
<p>Topics: Reversible Reaction and Equilibrium</p> <p>Learning Objectives; Predict and explain, for a reversible reaction, how the position of equilibrium is affected. State the symbol equation to produce ammonia in the Haber process, $N_2(g) + 3H_2(g) \rightleftharpoons 2NH_3(g)$. State the sources of the hydrogen (methane) and nitrogen (air) in the Haber process. State the typical conditions in the Haber process.</p> <p>Resources needed: Workbook, The Periodic Table http://www.youtube.com/watch?v=n91fiyEmT-s</p> <p>Homework/Assignments: Daily Questions, Weekly Assignment and Past Paper Questions</p>	<p>Topics: ESafety: Protection of data Threats to data</p> <p>Learning Objectives; Describe Characteristics and methods of protecting data including biometrics, digital certificate, secure socket layer (SSL), encryption, firewall, two-factor authentication, user id and password, biometrics including the use of biometric data. Describe the characteristics and effect of threats to data including hacking, phishing, pharming, smishing, vishing, viruses, malware, card fraud</p> <p>Resources needed: Text book, PPT, Past paper</p> <p>Homework/Assignments: Assignment</p>
ACCOUNTING	BUSINESS STUDIES
<p>Topics: Depreciation and disposal of non current asset</p> <p>Learning Objectives; Define depreciation • explain the reasons for accounting for depreciation • name and describe the straight-line, reducing balance and revaluation methods of depreciation • prepare ledger accounts and journal entries for the provision of depreciation</p> <p>Resources needed: IGCSE Accounting by Catherine Coucom Format of Asset account, Provision for depreciation account and Disposal account</p> <p>Homework/Assignments: Topical questions www.igcseaccounts.com</p>	<p>Topics: 5.1.1The need for business finance 5.1.2The main sources of capital</p> <p>Learning Objectives; To evaluate the need for business finance. To identify and explain the main sources of capital, and be able to select, recommend and select appropriate source of finance in given circumstances.</p> <p>Resources needed: Cambridge IGCSE and O Level Business Studies: Coursebook ISBN 9781108563987 https://learning.cambridgeinternational.org/classroom/course/view.php?id=3375</p> <p>Homework/Assignments: Research how inventories, trade payables, and trade receivables, could be managed to reduce the need</p>

to increase working capital? Write a report in notebook

ECONOMICS

Topics: Employment and unemployment

Learning Objectives;

- Define employment and unemployment.
- Analyze the causes and consequences of unemployment.
- What is inflation, and why is price stability important for the UAE's economy?

Resources needed:

<https://www.youtube.com/watch?v=-1cfJPEYkkk>

<https://www.youtube.com/watch?v=ki4cmpJhFXk>

https://www.youtube.com/watch?v=0QKb_b2WGdU

<https://www.youtube.com/watch?v=y944DbL0vMA>

Homework/Assignments: What is inflation, and why is price stability important for the UAE's economy?