



LEARNING TRAILS AY 2024-25

GRADE: 10

TERM 1_WEEK 4 (16th to 20th September 2024)

ENGLISH	MATHEMATICS
<p>Topics: Writing-Review (book), Report</p> <p>Learning Objectives:</p> <ol style="list-style-type: none">1. communicate information, ideas and opinions.2. organise ideas into coherent text using a range of linking devices.3. use a range of appropriate grammatical structures and vocabulary.4. use appropriate register and style for the given purpose and audience. <p>Resources needed: PPT, Printed questions, example responses.</p> <p>Homework/Assignments:</p>	<p>Topics: Trigonometry</p> <p>Learning Objectives:</p> <p>To know how to identify the angle of elevation and depression</p> <p>To solve the problems based on angle of elevation and depression.</p> <p>To know and comprehend the term 'bearing'.</p> <p>To use a bearing to specify a direction</p> <p>To interpret and use bearing to solve problems</p> <p>To solve simple trigonometrical problems in three dimensions including the angle between a line and a plane, using trigonometrical ratios</p> <p>Resources needed:</p> <p>Text book, Calculator, notebook, past papers</p> <p>Homework/Assignments:</p> <p>Daily practice questions, past paper, exercise questions</p>
ADVANCED ARABIC	GENERAL ARABIC
<p>Topics: قصة: الخبز</p> <p>Learning Objectives:</p> <p>أن يحلل المتعلم النص الأدبي موظفا التفكير الناقد لبيّن مدى تمكن المؤلف من تحقيق غايته</p> <p>أن يحلل المتعلم علاقة الزمان والمكان بفكرة القصة القصيرة وتأثيرهما في تطوير الحكمة فيها</p> <p>Resources needed:</p> <p>الكتاب المدرسي - العرض التقديمي - الدفتر المدرسي</p>	<p>Topics: قدوتي</p> <p>Learning Objectives:</p> <p>أن يتعرف الطالب المفردات الجديدة</p> <p>أن يتحدث الطالب عن فوائد وجود القدوة</p> <p>أن يجيب الطالب عن الأسئلة</p> <p>Resources needed:</p> <p>الكتاب المدرسي __ بوربوينت _ أنشطة صفية تعليمية</p> <p>Homework/Assignments:</p>



Homework/Assignments: كتابة الموضوع الثاني المخصص لمهارة الكتابة في الدفت	أن يكتب الطالب عن قنوات يحتذي بها في دولة الإمارات
PHYSICS	BIOLOGY
<p>Topics: 4.3.2 Series and parallel circuits 4.3.3 Action and use of circuit components</p> <p>Learning Objectives: Calculate the combined e.m.f. of several sources in series Calculate the combined resistance of two or more resistors in series and parallel. Explain that the sum of the currents into a junction is the same as the sum of the currents out of the junction</p> <p>Resources needed: PPT, Text book, simulation https://phet.colorado.edu/sims/html/circuit-construction-kit-dc/latest/circuit-construction-kit-dc_all.html</p> <p>Homework/Assignments: Worksheet-Past paper questions</p>	<p>Topics: Control and coordination</p> <p>Learning Objectives: Describe sense organs as groups of receptor cells responding to specific stimuli Identify in diagrams and images the structures of the eye Explain the pupil reflex, limited to changes in light intensity and pupil diameter Explain accommodation to view near and distant objects in terms of the contraction and relaxation of the ciliary muscles Describe the distribution of rods and cones in the retina of a human Outline the function of rods and cones</p> <p>Resources needed: Ppt, Textbook, task sheets, videos.</p> <p>Homework/Assignments: Drawings, learn for revision test from grade 9 topics, progressive test in chapter 12.</p>



CHEMISTRY	ICT
<p>Topics: Electrochemistry</p> <p>Learning Objectives: Predict the identity of the products at each electrode for the electrolysis of a halide compound in dilute or concentrated aqueous solution.</p> <p>Construct ionic half-equations for reactions at the anode (to show oxidation) and at the cathode (to show reduction).</p> <p>State that metal objects are electroplated to improve their appearance and resistance to corrosion.</p> <p>Describe how metals are electroplated.</p> <p>Resources needed: The Periodic Table, textbook, workbook, ppt, video</p> <p>Homework/Assignments: Daily Questions, Weekly Assignment, Past Paper Questions</p>	<p>Topics: System Life cycle</p> <p>Learning Objectives: Identify the key considerations in system design, including user requirements, functionality, and technical constraints.</p> <p>Identify various input formats, such as text, numeric, date, and time formats, and their role in data capture and validation.</p> <p>Understand the importance of output formats in presenting data to users or other systems, such as reports, charts, or files.</p> <p>Understand the concept of data validation and its importance in maintaining the quality of input data.</p> <p>Explore different types of validation routines, such as range checks, format checks, and consistency checks.</p> <p>Analyze the impact of validation routines on data accuracy, system performance, and user experience.</p> <p>Resources needed: Videos, Textbook, Past paper questions, PPTs</p> <p>Homework/Assignments: Assignment</p>
ISLAMIC ARABIC	ISLAMIC EDUCATION
<p>Topics: القرآن المكي والمدني</p> <p>Learning Objectives: -أن يوضح الحكمة من نزول القرآن الكريم منجما</p>	<p>Topics: Introduction to the Makkan Qur'an</p> <p>Learning Objectives:</p>



<p>- أن يعرف القرآن المكي والمدني - أن يوضح مميزات القرآن المكي والمدني .</p> <p><u>Resources needed:</u> الكتاب المدرسي البوربوينت أنشطة صفية</p> <p><u>Homework/Assignments:</u> حل أنشطة الطالب بالكتاب المدرسي مراجعة البوربوينت للدرس</p>	<ul style="list-style-type: none">• Understand the characteristics of the Makkan Qur'an.• Identify key themes in the Makkan revelations.• Explore the purpose of the Makkan revelations for early Muslims. <p><u>Resources needed:</u></p> <ul style="list-style-type: none">• The Qur'an (with English/Urdu translations)• Whiteboard and markers• Islamic history textbook <p><u>Homework/Assignments:</u> Students should write a reflection on the impact of the Makkan Qur'an on early Muslims' faith and resilience.</p>
ACCOUNTING	BUSINESS STUDIES
<p><u>Topics:</u> Financial statement of clubs</p> <p><u>Learning Objectives:</u> To formulate financial statement of clubs- Income statement ,income and expenditure account ,subscriptions act and statement of financial position</p> <p><u>Resources needed:</u> Text book Topical questions</p> <p><u>Homework/Assignments:</u>Topical questions Topical questions</p>	<p><u>Topics:</u> The marketing mix – product and price</p> <p><u>Learning Objectives:</u> To analyze what the marketing mix means and what its key components are To evaluate the importance of product decisions to a marketing mix</p> <p><u>Resources needed:</u> Textbook Case studies</p> <p><u>Homework/Assignments:</u> Practice topical questions</p>



ECONOMICS

Topics:

GOVERNMENT AND THE MACROECONOMY

4.2- Fiscal Policy

Learning Objectives:

- Define fiscal policy and its tools.
- Analyze the impact of fiscal policies on the economy.

Resources needed:

<https://www.youtube.com/watch?v=DAF81UKWCOI>

<https://www.youtube.com/watch?v=WjLePKFnM8s>

Homework/Assignments:

What is fiscal policy, and how does the UAE government use it to achieve economic aims?

HOT question - How do changes in government spending and taxation influence aggregate demand and supply?