



## LEARNING TRAILS AY 2024-25

GRADE: 10

TERM 1\_WEEK 3 (9<sup>th</sup> to 13<sup>th</sup> September 2024)

ENGLISH	MATHEMATICS
<p><b>Topics:</b> Writing- (E-mail) Informal</p> <p><b>Learning Objectives:</b></p> <ol style="list-style-type: none"><li>1. communicate information, ideas and opinions</li><li>2. organise ideas into coherent text using a range of linking devices</li><li>3. use a range of appropriate grammatical structures and vocabulary</li><li>4. use appropriate register and style for the given purpose and audience</li></ol> <p><b>Resources needed:</b> Printed PP questions. Notebooks</p> <p><b>Homework/Assignments:</b> Writing an email at home.</p>	<p><b>Topics:</b> Trigonometry</p> <p><b>Learning Objectives:</b></p> <p>To know how to identify hypotenuse of a right-angled triangle.</p> <p>To know how to find the unknown sides of a right-angled triangle by using simple trigonometric ratios.</p> <p>To know how to find the unknown angle of a right angle triangle by using trigonometric ratios.</p> <p><b>Resources needed:</b> Text book, ppt, calculator</p> <p><b>Homework/Assignments:</b> Daily Practice Questions, class tests, past papers</p>
ADVANCED ARABIC	GENERAL ARABIC
<p><b>Topics:</b> قصيدة: إذا المرء لم يدنس</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>- أن يبين المتعلم المعنى الإجمالي للنص الشعري موضحا علاقة الفكر بعضها ببعض مفسرا مفرداتها من خلال السياق</li><li>- أن يحلل المتعلم النص في سياقه التاريخي والاجتماعي مستخلصا السمات الفنية له</li></ul> <p><b>Resources needed:</b> الكتاب المدرسي - العرض التقديمي - الدفتر المدرسي</p>	<p><b>Topics:</b> أنا مسؤول</p> <p><b>Learning Objectives:</b></p> <p>أن يتعرف الطالب المفردات الجديدة</p> <p>أن يذكر الطالب دور التعليم في تنمية مهارات المواطنة الصالحة</p> <p>أن يحدد الطالب دور المنهج الخفي في تنمية مهارات المتعلم</p> <p>أن يكتب الطالب عن دوره تجاه وطنه في السلم والحرب</p> <p><b>Resources needed:</b> الكتاب المدرسي _ بوربوينت _ أنشطة تعليمية صفية</p> <p><b>Homework/Assignments:</b></p>



<b>Homework/Assignments:</b> كتابة نبذة عن حياة الشاعر السموأل بن عادياء	أن يكتب الطالب مقال عن دوره في بلده ص 16
<b>PHYSICS</b>	<b>BIOLOGY</b>
<b>Topics:</b> 4.2.5 Electrical energy and electrical power 4.3 Electric circuits 4.3.1 Circuit diagrams and circuit components <b>Learning Objectives:</b> Recall and use the equation for electrical power and Energy Define the kilowatt-hour (kW h) and calculate the cost of using electrical appliances where the energy unit is the kW h Draw and interpret circuit diagrams, and know how these components behave in the circuit <b>Resources needed:</b> Text book, PPT <b>Homework/Assignments:</b> Solving Past paper	<b>Topics:</b> Coordination and response/Excretion <b>Learning Objectives:</b> Describe the mammalian nervous system Describe the role of the nervous system Identify in diagrams and images sensory, relay and motor neurones Describe a simple reflex arc Describe the structure of a synapse, including the presence of vesicles containing neurotransmitter molecules, the synaptic gap and receptor proteins Identify in diagrams and images the structures of the eye Explain the pupil reflex, limited to changes in light intensity and pupil diameter <b>Resources needed:</b> Textbook, presentations, specimen of eye. <b>Homework/Assignments:</b> Diagrams, past papers, reading text book
<b>CHEMISTRY</b>	<b>ICT</b>
<b>Topics:</b> Electrochemistry <b>Learning Objectives:</b> Identify the products formed at the electrodes and describe the observations made during the electrolysis. State that metals or hydrogen are formed at the cathode and that non-metals (other than hydrogen) are formed at the anode.	<b>Topics:</b> System Life cycle and Database <b>Learning Objectives:</b> Identify different stages of System life cycle Describe different fact-finding methods (Data collection methods) Able to design a report according to the given criteria.



<p>Predict the identity of the products at each electrode for the electrolysis of a binary compound in the molten state.</p> <p>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 and at the cathode.</p> <p><b><u>Resources needed:</u></b> Workbook, Textbook, Lab Apparatus</p> <p><b><u>Homework/Assignments:</u></b> Daily questions, weekly assignments and past paper questions</p>	<p><b><u>Resources needed:</u></b> PPTs Videos Past Paper questions Smartboard</p> <p><b><u>Homework/Assignments:</u></b> Past Paper Questions</p>
<p style="text-align: center;"><b>ISLAMIC ARABIC</b></p>	<p style="text-align: center;"><b>ISLAMIC EDUCATION</b></p>
<p><b><u>Topics:</u></b> سورة الكهف الآيات من 1-8</p> <p><b><u>Learning Objectives:</u></b> أن يحلل بعض دلالات الآيات الكريمة أن يحرص على القيم التي تضمنتها الآيات الكريمة أن يسمع الطلاب الآيات الكريمة بطريقة صحيحة</p> <p><b><u>Resources needed:</u></b> الكتاب المدرسي بوربوينت أنشطة تعليمية</p> <p><b><u>Homework/Assignments:</u></b> حفظ الآيات الكريمة مراعيًا أحكام التجويد حل أنشطة الطالب مراجعة البوربوينت</p>	<p><b><u>Topics:</u></b> surah al kahf story of the believer</p> <p><b><u>Learning Objectives:</u></b> Explain the meaning of the holy verses with hadith. Describe the story of the believer in light of the Quran and Hadith</p> <p><b><u>Resources needed:</u></b> Textbook, PPT, Activities from the textbook</p> <p><b><u>Homework/Assignments:</u></b> Solve the student's activities in the textbook.</p>
<p style="text-align: center;"><b>ACCOUNTING</b></p>	<p style="text-align: center;"><b>BUSINESS STUDIES</b></p>
<p><b><u>Topics:</u></b> Income and Expenditure account</p>	<p><b><u>Topics:</u></b> Market Research</p>



**Learning Objectives:**

To formulate Income and expenditure account to calculate surplus/deficit.

**Resources needed:**

Text book  
Format  
Task Sheets

**Homework/Assignments:**

Topical questions [www.igcseaccounts.com](http://www.igcseaccounts.com)

**Learning Objectives:**

To classify different methods of market research  
To analyse the advantages and disadvantages of both the methods of market research.

**Resources needed:**

Text book  
Case studies

**Homework/Assignments:**

Solve topical past papers [uploaded in teams with mark scheme]

**ECONOMICS**

**Topics:**

GOVERNMENT AND THE MACROECONOMY  
4.1-The role of government

**Learning Objectives:**

- Define the role of government in an economy.
- Analyze the government's economic functions.

**Resources needed:**

[https://www.youtube.com/watch?v=Lt7OS\\_2jhGY](https://www.youtube.com/watch?v=Lt7OS_2jhGY)  
<https://www.youtube.com/watch?v=pi-XSwviENg>

**Homework/Assignments:**

What is the role of government in economic systems, and why is it important?  
How does the UAE government influence economic stability and growth through its policies?