



## LEARNING TRAILS AY 2024-25

GRADE: 10

TERM 2\_WEEK 4 (27<sup>th</sup> January to 31<sup>st</sup> January 2025)

ENGLISH	MATHEMATICS
<p><b>Topics:</b> Speaking</p> <p><b>Learning Objectives:</b></p> <ol style="list-style-type: none"><li>demonstrate control of a range of vocabulary and grammatical structures.</li><li>demonstrate control of pronunciation and intonation.</li></ol> <p><b>Resources needed:</b> Topic cards</p> <p><b>Homework/Assignments:</b> Practice topic cards from previous speaking past papers.</p>	<p><b>Topics:</b> Probability</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>Calculate the probability of a single event as either a fraction, decimal or percentage.</li><li>Understand relative frequency as an estimate of probability and expected frequency of occurrences.</li><li>Calculate the probability of exclusive and independent events.</li><li>Calculate the probability using tree diagrams.</li><li>Calculate the probability using Venn diagrams.</li><li>Understand the concept of conditional probability.</li><li>Calculate conditional probability</li></ul> <p><b>Resources needed:</b> Text book, dice, ATS questions, past papers</p> <p><b>Homework/Assignments:</b> Daily practice questions, past papers</p>
ADVANCED ARABIC	GENERAL ARABIC
<p><b>Topics:</b> الاستثناء</p> <p><b>Learning Objectives:</b> أن يتعرف المتعلم أسلوب الاستثناء، ويعرّبه، ويوظفه في مواقف حياتية.</p> <p><b>Resources needed:</b> الكتاب المدرسي - الدفتر المدرسي - العرض التقديمي</p> <p><b>Homework/Assignments:</b> حل تمرينات الدرس</p>	<p><b>Topics:</b> المدينة المستدامة</p> <p><b>Learning Objectives:</b> <u>أن يتعرف الطالب المفردات الجديدة</u> <u>أن يذكر الطالب أسباب تفوق كوستاريكا في الطاقة المتجددة</u> <u>أن يحدد الطالب أنواع الطاقة المتجددة في كوستاريكا</u></p> <p><b>Resources needed:</b> الكتاب المدرسي _ بوربوينت _ أنشطة تعليمية صافية</p> <p><b>Homework/Assignments:</b> أن يكتب الطالب عن اهتمام دولة الإمارات العربية المتحدة بتنويع مصادر الطاقة</p>



PHYSICS	BIOLOGY
<p><b>Topics:</b> Alternative to practical's</p> <p><b>Learning Objectives:</b> To calculate the refractive index for the material of the block. To investigate the position of the image in a plane mirror. Investigating whether the distance that a toy truck will travel along a horizontal floor, before stopping, depends on its mass.</p> <p><b>Resources needed:</b> Paper Pencil Eraser Protractor Drawing pins Glass slab Plane Mirror.</p> <p><b>Homework/Assignments:</b> May/June 2020 Q no:2 May/June 2021 Q no: 2</p>	<p><b>Topics:</b> Variation and selection</p> <p><b>Learning Objectives:</b> Describe gene mutation as a random change in the base sequence of DNA Describe an adaptive feature as an inherited feature that helps an organism to survive and reproduce in its environment Explain the adaptive features of hydrophytes and xerophytes to their environments Describe adaptation as the process, resulting from natural selection, by which populations become more suited to their environment over many generations Describe selective breeding Outline the differences between natural and artificial selection</p> <p><b>Resources needed:</b> Text book, PPT, Task sheets</p> <p><b>Homework/Assignment</b> Past paper 62 2024 and 2020 May june</p>
CHEMISTRY	ICT
<p><b>Topics:</b> Organic Chemistry</p> <p><b>Learning Objectives:</b> Describe the manufacture of ethanol Describe the combustion of ethanol State the uses of ethanol Describe the advantages and disadvantages of the manufacture of ethanol Describe the reaction of ethanoic acid Describe the formation of ethanoic acid by the oxidation of ethanol</p>	<p><b>Topics:</b> Chapter 6 – ICT applications Satellite System Practical – Web authoring</p> <p><b>Learning Objectives:</b> Describe the ICT functions of satellite system Design a webpage using style sheets</p> <p><b>Resources needed:</b> PPTs, Videos, Past Paper questions</p> <p><b>Homework/Assignments:</b> Answer past paper questions</p>



<p>Describe the reaction of a carboxylic acid with an alcohol using an acid catalyst to form an ester</p> <p><b>Resources needed:</b> PPT, Videos, Textbook, workbook</p> <p><b>Homework/Assignments:</b> Daily Questions, Weekly assignment and past paper questions</p>	<p>June 2020 paper 21</p>
ISLAMIC ARABIC	ISLAMIC EDUCATION
<p><b>Topics:</b> السنة النبوية</p> <p><b>Learning Objectives:</b> فهم دور السنة النبوية في تفسير القرآن الكريم وتوضيحه</p> <p>استنتاج كيفية الاستفادة من السنة النبوية في تنظيم شؤون الحياة اليومية.</p> <p><b>Resources needed:</b></p> <ul style="list-style-type: none"><li>• الكتاب المدرسي</li><li>• العرض التقديمي</li><li>• السبورة الذكية</li><li>• الانترنت</li><li>• الجهاز اللوحي</li></ul> <p><b>Homework/Assignments:</b></p> <ul style="list-style-type: none"><li>• مراجعة العرض التقديمي للدرس</li><li>• حل أنشطة الطالب بالكتاب المدرسي</li></ul>	<p><b>Topics:</b> Dressing Etiquette / Islamic Dress Code</p> <p><b>Learning Objectives:</b></p> <ol style="list-style-type: none"><li>1. Understand the importance of modesty in Islamic teachings.</li><li>2. Learn the guidelines for dressing in Islam as outlined in the Quran and Sunnah.</li><li>3. Appreciate the wisdom and benefits of adhering to an Islamic dress code in personal and social life.</li></ol> <p><b>Resources needed:</b></p> <ol style="list-style-type: none"><li>1. Quran with translation (selected verses: Surah Al-Ahzab 33:59, Surah An-Nur 24:31).</li><li>2. Visual aids (posters/slides showing examples of Islamic and non-Islamic dressing styles).</li><li>3. Whiteboard/markers.</li><li>4. Worksheets for group activity.</li><li>5. Textbook</li></ol> <p><b>Homework/Assignments:</b></p>



	Write a short reflection (200-250 words) on the significance of modesty in everyday life and how it applies to the concept of the Islamic dress code.
<b>ACCOUNTING</b>	<b>BUSINESS STUDIES</b>
<p><b>Topics:</b> Financial Statements</p> <p><b>Learning Objectives:</b> To review financial statements of sole trader with adjustments</p> <p><b>Resources needed:</b> Task sheet ,Topical questions, Text book</p> <p><b>Homework/Assignment:</b> Topical questions</p>	<p><b>Topics:</b> Fiscal and Monetary policies</p> <p><b>Learning Objectives:</b> To evaluate the impact of changes in different fiscal and Monetary policies on Business.</p> <p><b>Resources needed:</b> E book, Case studies uploaded in teams</p> <p><b>Homework/Assignments:</b> Practice topical past papers</p>
<b>ECONOMICS</b>	
<p><b>Topics:</b> Foreign exchange rate , current account of balance of payments</p> <p><b>Learning Objectives:</b> To discuss the advantages and disadvantages of fixed and floating exchange rate To describe the components of the balance of payments To understand the calculation of the deficit and surpluses on the current account of the balance of payments To analyze the changes in the exports and imports Class test every wednesday</p> <p><b>Resources needed:</b> Textbook Calculator Past paper questions Topical questions</p> <p><b>Homework/Assignments:</b> Past paper questions</p>	