



## LEARNING TRAILS AY 2024-25

GRADE: 10

TERM 2\_WEEK 1 (6<sup>th</sup> January to 10<sup>th</sup> January 2025)

ENGLISH	MATHEMATICS
<p><b>Topics:</b> Writing/Reading</p> <p><b>Learning Objectives:</b></p> <p>* use a range of appropriate grammatical structures and vocabulary</p> <p>* use appropriate register and style for the given purpose and audience</p> <p><b>Resources needed:</b></p> <p>Past paper booklet, notebooks</p> <p><b>Homework/Assignments:</b></p>	<p><b>Topics:</b> Statistics</p> <p><b>Learning Objectives:</b></p> <p>Construct and interpret bar charts, pie charts, and pictograms.</p> <p>Construct stem-and-leaf diagrams, histograms with equal and unequal intervals.</p> <p><b>Resources needed:</b></p> <p>Text book, Geometric box, notebook, calculator, ATS Questions.</p> <p><b>Homework/Assignments:</b></p> <p>Exercise problems, Past papers.</p>
ADVANCED ARABIC	GENERAL ARABIC
<p><b>Topics:</b></p> <p>قصيدة حلل الربيع</p> <p><b>Learning Objectives:</b></p> <p>أن يبين المتعلم المعنى الإجمالي للنص الشعري</p> <p>أن يحلل المتعلم النص الشعري تحليلاً فكرياً ونقدياً</p> <p>أن يحلل المتعلم النص في سياقه التاريخي</p> <p><b>Resources needed:</b></p> <p>الكتاب المدرسي - العرض التقديمي - السبورة الذكية</p> <p><b>Homework/Assignments:</b></p> <p>كتابة نبذة مختصرة عن حياة الشاعر ابن وكيع التنيسي</p>	<p><b>Topics:</b></p> <p>القيادة المتهورة</p> <p><b>Learning Objectives:</b></p> <p>أن يتعرف المتعلم على المفردات الجديدة</p> <p>أن يستنتج المتعلم المهارات اللغوية والنحوية من الدرس</p> <p>أن يحلل المتعلم الدرس تحليلاً لغوياً صحيحاً</p> <p><b>Resources needed:</b></p> <p>كتاب الطالب - الدفتر العرض التقديمي - السبورة الذكية</p> <p><b>Homework/Assignments:</b></p> <p>يكتب فقرة عن تأثير القيادة المتهورة على حياة الأفراد</p>
PHYSICS	BIOLOGY
<p><b>Topics:</b></p> <p>5.2.5 Safety precautions</p> <p><b>Learning Objectives:</b></p> <p>Describe how radioactive materials are moved, used and stored in a safe way</p>	<p><b>Topics:</b></p> <p>Reproduction in organisms</p> <p>Inheritance</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>Describe a sexually transmitted infection</li><li>Describe the methods of transmission of HIV</li><li>Explain how the spread of STIs is controlled</li></ul>



Explain safety precautions for all ionising radiation in terms of reducing exposure time, increasing distance between source and living tissue and using shielding to absorb radiation.

**Resources needed:**

PPT, Task sheets, Text book

**Homework/Assignments:**

Solve past paper questions

- State that chromosomes are made of DNA, which contains genetic information in the form of genes
- Define a gene as a length of DNA that codes for a protein
- Define an allele as an alternative form of a gene
- Describe the inheritance of sex in humans with reference to X and Y chromosomes
- Explain that different sequences of amino acids give different shapes to protein molecules
- Explain that DNA controls cell function by controlling the production of proteins, including enzymes, membrane carriers and receptors for neurotransmitters
- Explain how a protein is made
- Describe a haploid nucleus as a nucleus containing a single set of chromosomes

**Resources needed:**

Presentations, textbook, Task sheets and videos

**Homework/Assignment**

Worksheets, task sheets, reading and learning, drawing.

**CHEMISTRY**

**ICT**

**Topics:**

Organic Chemistry

**Learning Objectives:**

Draw and interpret the displayed formula of a molecule to show all the atoms and all the bonds.

Write and interpret general formulae of compounds in the same homologous series.

Identify a functional group.

State that a structural formula is an unambiguous description of the way the atoms in a molecule are arranged.

**Topics:**

Chapter 9- Audiences

Practical: Webpage Authoring

**Learning Objectives:**

- Explain the need for copyright legislation and the principles of copyright relating to computer software
- Describe methods that software producers employ to prevent software copyright being broken
- Discuss the legal, moral, ethical and cultural implications of creating an ICT solution.
- Design a webpage using Microsoft expressions

**Resources needed:**



<p>Define structural isomers.</p> <p><b>Resources needed:</b> Workbook, textbook, ppt, Periodic table</p> <p><b>Homework/Assignments:</b> Daily Questions, Weekly Assignment, Past Paper Questions</p>	<p>PPTs, Videos, Practical Past Papers</p> <p><b>Homework/Assignments:</b> Practice Past Paper questions</p>
<p><b>ISLAMIC ARABIC</b></p>	<p><b>ISLAMIC EDUCATION</b></p>
<p><b>Topics:</b> سورة الكهف (الآيات 28-44) – صاحب الجنتين</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>تحديد الدروس الأساسية: التعرّف على الموضوعات الرئيسية في قصة صاحب الجنتين، والتركيز على التواضع والشكر وفناء الثروة الدنيوية.</li><li>التأمل والتطبيق: استكشاف طرق تطبيق هذه الدروس في الحياة الشخصية، مع التأكيد على الاعتماد على الله وأهمية الشكر.</li></ul> <p><b>Resources needed:</b> تفسير موجز من عالم مُعتمَد (مثل تفسير ابن كثير أو مصدر موثوق عبر الإنترنت) لتوضيح السياق والمعاني العميقة.</p> <p><b>Homework/Assignments:</b></p> <ul style="list-style-type: none"><li>المطلوب: في بضع جُمَل، اشرح كيف غيّرت قصة صاحب الجنتين نظرتك للثروة والشكر. واذكر مثالًا عمليًا واحدًا على كيفية إظهار الشكر لله في حياتك اليومية.</li></ul>	<p><b>Topics:</b> Surah al Kahf (28-44) Owner of the Two Gardens</p> <p><b>Learning Objectives:</b> Identify Key Lessons: Recognize the main themes in the parable of the Owner of the Two Gardens, focusing on humility, gratitude, and the impermanence of worldly wealth. Reflect &amp; Apply: Explore ways to apply these lessons in personal life, emphasizing reliance on Allah and the importance of gratitude.</p> <p><b>Resources needed:</b> A concise tafseer/explanation from a recognized scholar (e.g., Tafseer Ibn Kathir or a reliable online resource) to clarify context and deeper meanings.</p> <p><b>Homework/Assignments:</b> <b>Prompt:</b> In a few sentences, explain how the story of the Owner of the Two Gardens changes your perspective on wealth and gratitude. Provide one practical example of how you can show gratitude to Allah in your daily life.</p>
<p><b>ACCOUNTING</b></p>	<p><b>BUSINESS STUDIES</b></p>
<p><b>Topics:</b> Incomplete records</p> <p><b>Learning Objectives:</b> explain the disadvantages of not maintaining a full set of accounting records • prepare opening</p>	<p><b>Topics:</b> Financial statments</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>analyze the need for businesses to keep accounts</li></ul>



and closing statements of affairs • calculate profit or loss for the year from changes in capital over time • calculate sales, purchases, gross profit, trade receivables and trade payables and other figures from incomplete information

**Resources needed:**

Text book, Topical questions

**Homework/Assignment:**

Text book questions 1,2 ,3

- analyse the main components of a statement of profit or loss (income statement)
- analyse the main components of a statement of financial position

**Resources needed:**

Text book, Case studies with mark schemes.

**Homework/Assignments:**

Solve Topical past papers- uploaded in teams

**ECONOMICS**

**Topics:**

International Specialization

**Learning Objectives:**

To analyze the basis for specialization at a national level

To evaluate the advantages and disadvantages of specialization for an economy.

To define and explain the concept of absolute advantage

To explain comparative advantage

**Resources needed:**

PPTs , task sheet, textbook

**Homework/Assignments:**

Solve topical questions