



LEARNING TRAILS AY 2024-25

GRADE: 11

TERM 2_WEEK 3 (20th January to 24th January 2025)

IT	MATHEMATICS
<p>Topics: The digital divide. Audio and video editing.</p> <p>Learning Objectives: Describe what the digital divide is. Discuss the causes of the digital divide. Analyze the effects of the digital divide, including: inequality of access to all types of internet services and technology– reducing the effects, including digital literacy teaching. List the groups affected by the digital divide. Editing an audio clip to meet the requirements of its intended application and audience.</p> <p>Resources needed: Computer system, task sheets, past paper</p> <p>Homework/Assignments: Solve past paper questions.</p>	<p>Topics: Discrete Random Variables</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• Draw up a probability distribution table relating to a given situation involving a discrete random variable X, and• Calculate the mean $E(X)$ and variance $Var(X)$ of a discrete random variable X <p>Resources needed: Smartboards, PPTs, Textbook, Topic-wise Past Paper questions on DRVs</p> <p>Homework/Assignments: Search Results Search Results</p>
ADVANCED ARABIC	GENERAL ARABIC
<p>Topics: <u>قصة : عوشة بنت شملان</u></p> <p>Learning Objectives: <u>أن يحدد الفكرة الرئيسية والفكر الفرعية في النص</u> <u>أن يستنتج الدلالات التعبيرية الواردة في النص</u> <u>أن يذكر رأيه في الأحداث الواردة في النص</u></p> <p>Resources needed: <u>الكتاب المدرسي - العرض التقديمي - أنشطة تعليمية</u></p> <p>Homework/Assignments: حل أسئلة الكتاب المدرسي - كتابة موضوع تعبير</p>	<p>Topics: <u>طاقم الطائرة</u></p> <p>Learning Objectives: <u>التعرف على طاقم الطائرة</u> <u>أن يستخرج جمع المؤنث السالم</u> <u>أن يذكر أهمية دور المضيف في الطائرة</u></p> <p>Resources needed: <u>الكتاب - العرض - الإنترنت</u></p> <p>Homework/Assignments: <u>كيف يتم اختيار المضيف للوظيفة؟</u></p>



PHYSICS	BIOLOGY
<p>Topics: waves</p> <p>Interference</p> <p>Learning Objectives:</p> <p>understand the terms interference and coherence</p> <p>2 show an understanding of experiments that demonstrate two-source interference using water waves in a ripple tank, sound, light and microwaves</p> <p>3 understand the conditions required if two-source interference fringes are to be observed</p> <p>4 recall and use $\lambda = ax/D$ for double-slit interference using light</p> <p>Resources needed:</p> <p>Copy book, past papers, calculator, simulation, video, activity sheet. Wi-Fi network</p> <p>Homework/Assignments:</p> <p>Topical Questions for topic interference</p>	<p>.....</p> <p>Topics:</p> <p>6.Nucleic acids and Protein synthesis & 7. Transport in plants</p> <p>Learning Objectives:</p> <p>1. explain that a gene mutation is a result of substitution or deletion or insertion of nucleotides in DNA and outline how each of these types of mutation may affect the polypeptide produced.</p> <p>2.describe the distribution of xylem and phloem in transverse sections of stems, roots and leaves of herbaceous dicotyledonous plants.</p> <p>Resources needed:</p> <p>Worksheets and Video -Mutations</p> <p>Homework/Assignments:</p> <p>Solve the past paper questions M/J- 2022 and 2023</p>
CHEMISTRY	ACCOUNTING
<p>Topics: Group : 17</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> Describe the colours and the trend in volatility of chlorine, bromine and iodine. Describe and explain the trend in the bond strength of halogen molecules. Interpret the volatility of the elements in terms of instantaneous dipole–induced dipole forces Describe the reactions of the elements with hydrogen and explain their relative reactivity in these reactions. 	<p>Topics:</p> <p>Incomplete records</p> <p>Learning Objectives:</p> <p>To formulate financial statements from incomplete records</p> <p>Resources needed:</p> <p>Text book Task Sheets</p> <p>Homework/Assignments:</p> <p>Topical questions</p>



<p><u>Resources needed:</u></p> <p>Videos: www.youtube.com/watch?v=NN82GoBG98s [reaction of chlorine and hydrogen] www.youtube.com/watch?v=SloaknYYsGI [reaction of bromine and hydrogen] www.youtube.com/watch?v=KsDqJiWvNQ [reaction of iodine and hydrogen]</p> <p><u>Homework/Assignments:</u></p> <ul style="list-style-type: none">• Topical Questions• Textual Questions	
<p style="text-align: center;">ISLAMIC ARABIC</p>	<p style="text-align: center;">ISLAMIC EDUCATION</p>
<p><u>Topics:</u> <u>أقسام الحديث الشريف</u></p> <p><u>Learning Objectives:</u> أن يبين اقسام الحديث الشريف أن يوضح الفرق بين الحديث الصحيح و الحسن أن يبين مخاطر نشر الحديث الموضوع على الفرد و المجتمع</p> <p><u>Resources needed:</u> الكتاب المدرسي السبورة الذكية الشبكة العنكبوتية العرض التقديمي أوراق عمل</p> <p><u>Homework/Assignments:</u> حل أنشطة الكتاب المدرسي عمل مخطط ذهني عن أقسام الحديث الشريف مراجعة العرض التقديمي للدرس</p>	<p><u>Topics:</u> The Mutawatir and Ahaad Hadeeth</p> <p><u>Learning Objectives:</u></p> <ul style="list-style-type: none">• Identify the key characteristics of Mutawatir and Ahaad Hadeeth.• Explain the differences between Mutawatir and Ahaad Hadeeth with examples. <p><u>Resources needed:</u></p> <ol style="list-style-type: none">1. Textbook: Islamic Studies curriculum book for the grade.2. Visual Aids: Charts or slides illustrating differences between Mutawatir and Ahaad. <p><u>Homework/Assignments:</u> Write a short essay (150-200 words) explaining the importance of classifying Hadeeth as Mutawatir or Ahaad.</p>



ECONOMICS	BUSINESS
<p><u>Topics:</u> International trade and protectionism Forms of protectionism Advantages and disadvantages of protectionism</p> <p><u>Learning Objectives:</u> To discuss the terms of trade To evaluate the forms of protectionism To analyze the advantages and disadvantages of protectionism To evaluate the impact of protectionism Weekly test on tuesday</p> <p><u>Resources needed:</u> Text book Past paper questions Topical questions Ebook</p> <p><u>Homework/Assignments:</u> Solving Topical questions</p>	<p><u>Topics:</u> Forecasting and managing cash flows</p> <p><u>Learning Objectives:</u></p> <ul style="list-style-type: none">• analyse the importance of cash to business• explain the difference between cash flow and profit• analyse the purpose of cash flow forecasts• interpret and amend simple cash flow forecasts• analyse the different causes of cash flow problems• evaluate different methods of improving cash flow. <p><u>Resources needed:</u> <u>E</u> Book uploaded in teams Topical case studies</p> <p><u>Homework/Assignments:</u> Practice Past papers</p>