



LEARNING TRAILS AY 2024-25

GRADE: 11

TERM 1_WEEK 13 (18thNovember to 22nd November 2024)

IT	MATHEMATICS
<p>Topics: Monitoring and control Sensors Calibration. Data analysis.</p> <p>Learning Objectives: Explain the functions of different types of sensors. Define calibration. Describe the importance of calibration. Explain various methods used to calibrate devices. One-point calibration. Two-point calibration Multipoint calibration</p> <p>Resources needed: Text book, computer system, smart board, activity sheet.</p> <p>Homework/Assignments: Solve past paper questions</p>	<p>Topics: SERIES: BINOMIAL EXPANSION, ARITHMETIC AND GEOMETRIC PROGRESSIONS</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • use the expansion of $(a + b)^n$, where n is a positive integer • recognise arithmetic and geometric progressions • use the formulae for the nth term and for the sum of the first n terms to solve problems involving arithmetic or geometric progressions • use the condition for the convergence of a geometric progression, and the formula for the sum to infinity of a convergent geometric progression. <p>Resources needed: Smartboard Textbooks, tablets, Kahoot, MS PPT, Topic wise past questions</p> <p>Homework/Assignments: Search Results Search Results</p>



ADVANCED ARABIC	GENERAL ARABIC
<p>Topics: <u>الكناية</u></p> <p>Learning Objectives: <u>أن يتعرف المتعلم الكناية</u> <u>أن يحلل الكناية ويبين أنواعها</u> <u>أن ينتج جملاً تتضمن الكناية ويوظفها في مواقف حياتية</u></p> <p>Resources needed: <u>الكتاب المدرسي - العرض التقديمي - أنشطة تعليمية</u></p> <p>Homework/Assignments: حل أسئلة الكتاب المدرسي - حل أوراق العمل</p>	<p>Topics: <u>أختبار استماع + مراجعة للأختبار</u></p> <p>Learning Objectives <u>الاستماع الجيد للإجابة على الأسئلة</u> <u>التدريب على قراءة بعض النصوص وفهمها للإجابة على أسئلة الاختبار</u></p> <p>Resources needed: <u>الكتاب - العرض التقديمي - الانترنت</u></p> <p>Homework/Assignments: <u>مراجعة الدروس للاختبار</u></p>
PHYSICS	BIOLOGY
<p>Topics: Deformation of solids Elastic deformation and plastic deformation</p> <p>Learning Objectives: <u>Explain elastic and plastic deformation</u> <u>Calculate the total extension for springs in series and parallel</u> <u>Calculate elastic potential energy</u></p> <p>Resources needed: Course book, copy book, past papers. Spring in series and parallel .ppt</p> <p>Homework/Assignments: Past papers .Research assignment</p>	<p>Topics: 4 Movement in and out of cells</p> <p>Learning Objectives: <u>Explain the movement of water between cells and solutions in terms of water potential and explain the different effects of the movement of water on plant cells and animal cells.</u></p> <p>Resources needed: Text Book, Past Papers</p> <p>Homework/Assignments: Describe the osmosis in RBC and Plant cells.</p>



CHEMISTRY	ACCOUNTING
<p>Topics: Equilibria</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">Practice calculating K_c using concentration values given in mol/dm^3.Apply the ICE (Initial, Change, Equilibrium) method to find equilibrium concentrations if they are not directly provided. <p>Resources needed:</p> <ul style="list-style-type: none">Chemguide: This website offers clear explanations, followed by exercises and questions on equilibrium constants.Doc Brown's Chemistry: This site has worksheets on equilibrium concepts with questions that test knowledge and understanding at various difficulty levels. <p>Homework/Assignments: Textual and Topical Questions</p>	<p>Topics: Depreciation</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">How to calculate depreciation using the reducing balance and straight-line methodsExamine the most appropriate method of calculating depreciationhow to measure the value of non-current assets by the cost model or the revaluation modelhow to prepare ledger accounts and journal entries for: – non-current assets (acquisition and revaluation) – depreciation and disposal (including entries for part exchange)how to calculate profit or loss on disposal of a non-current assethow to record the effect of a charge for depreciation in the statement of profit or loss and statement of financial position. <p>Resources needed: Text book Formats Task Sheets</p> <p>Homework/Assignments: Topical questions</p>
ISLAMIC ARABIC	ISLAMIC EDUCATION
<p>Topics: مصادر التشريع في الإسلام</p> <p>Learning Objectives: التعرف على المصادر الأولية للشريعة الإسلامية، مع التركيز على القرآن والسنة.</p> <p>تحليل دور المصادر الثانوية، مثل الإجماع والقياس، في الفقه الإسلامي.</p>	<p>Topics: Sources of Islamic Sharia</p> <p>Learning Objectives: Understand the primary sources of Islamic Sharia, focusing on the Quran and Sunnah. Analyze the role of secondary sources, such as Ijma (consensus) and Qiyas (analogy), in Islamic jurisprudence.</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>	<p><u>Resources needed:</u> Quran and Hadith books for reference, highlighting specific verses and sayings related to Sharia. Whiteboard and markers or a digital presentation for key points and definitions.</p> <p><u>Homework/Assignments:</u> Write a short essay explaining the significance of the Quran as the primary source of Islamic Sharia.</p>
ECONOMICS	BUSINESS
<p><u>Topics:</u> Economic growth, Unemployment</p> <p><u>Learning Objectives:</u> To analyze the consequences of economic growth To discuss the meaning of unemployment To evaluate how unemployment can be measured To discuss the causes and types of unemployment To analyze the consequences of unemployment</p> <p><u>Resources needed:</u> Textbook Topical questions</p> <p><u>Homework/Assignments:</u> Practice past papers</p>	<p><u>Topics:</u> The marketing mix – promotion and place</p> <p><u>Learning Objectives:</u> To analyse the factors to consider when making promotion-mix decisions To evaluate the methods used to measure the effectiveness of promotional spending To evaluate the impact of developments in digital marketing. To analyze the importance of place in the marketing mix.</p> <p><u>Resources needed:</u> Text book, Topical case studies</p> <p><u>Homework/Assignments:</u> Practice past papers</p>