



LEARNING TRAILS AY 2024-25

GRADE: 12

TERM 1_WEEK 6 (30th to 4th October 2024)

IT	MATHEMATICS
<p>Topics: Graphics creation. System life cycle: Implementation, Documentation</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">Describe methods of implementing a system.Analyse the advantages and disadvantages of each implementation method for a given situation.Describe different types of documentation and why each is needed.List the contents of the different types of documentation.Use software tools for the creation and editing of vector graphics, including:<ul style="list-style-type: none">creating a vector graphic that meets the requirements of its intended application and audiencevector drawing toolsselection toolsfill tools to colour elementsnode and path editing. <p>Resources needed: Computer systems smart board task sheets https://inkscape.org/</p> <p>Homework/Assignments: Solve past paper questions.</p>	<p>Topics: Algebra</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">To be able to express in partial fraction,To be able to expand using Binomial theorem for any index. <p>Resources needed: Sample questions</p> <p>Homework/Assignments: Topical past paper questions.</p>



ADVANCED ARABIC	GENERAL ARABIC
<p>Topics: نص معلوماتي : أنسنة المدن</p> <p>Learning Objectives: أن يحلل المتعلم الفلسفة التي يتكئ عليها الكاتب والمسلمات التي ينطلق منها في عرض أفكاره في النص أن يستعرض المتعلم الأدلة التي استخدمها كاتبان أو أكثر في نصوصهم لدعم أفكارهم المحورية أن يتعرف المتعلم المصطلحات الأساسية في مجالات مختلفة كالالاقتصاد والبيئة</p> <p>Resources needed: الكتاب المدرسي - الدفتر المدرسي - السبورة الذكية</p> <p>Homework/Assignments: كتابة بحث مبسط عن أنسنة المدن</p>	<p>Topics: أدوات النصب والجزم</p> <p>Learning Objectives: أن يتعرف المتعلم على أدوات نصب الفعل المضارع أن يكتب المتعلم الفعل المضارع بعد أدوات النصب أن يميز المتعلم بين أدوات النصب وأدوات الجزم أن يجيب المتعلم عن أسئلة الكتاب المدرسي</p> <p>Resources needed: كتاب الطالب - العرض التقديمي - السبورة الذكية</p> <p>Homework/Assignments: يكتب الطالب فقرة عن أهمية الوطن موظفاً أدوات النصب والجزم بطريقة صحيحة.</p>
PHYSICS	BIOLOGY
<p>Topics: Ideal gas</p> <p>Learning Objectives: Should be able to Derive relation between average KE and absolute temperature Explain rms speed of molecules of gas Apply equations to solve problems</p> <p>Resources needed: Calculator, panel board, wi-fi, sample questions</p> <p>Homework/Assignments: Topical past papers – Temperature</p>	<p>Topics: Homeostasis</p> <p>Learning Objectives: -Describe and explain the formation of urine in the nephron -Relate the detailed structure of the proximal convoluted tubule to their functions -Describe the roles of the hypothalamus, posterior pituitary gland, antidiuretic hormone (ADH), aquaporins and collecting ducts in osmoregulation -Describe the principles of cell signalling using the example of the control of blood glucose concentration by glucagon, -Explain how negative feedback control mechanisms regulate blood glucose concentration</p> <p>Resources needed: Stationaries , Calcuator ,Activity questions</p> <p>Homework/Assignments: Topical past paper Homeostasis</p>



CHEMISTRY	ACCOUNTING
<p>Topics: 25.1 Acids and bases</p> <p>Learning Objectives:</p> <ol style="list-style-type: none">1. understand and use the term solubility product, K_{sp}2. write an expression for K_{sp}3. calculate K_{sp} from concentrations and vice versa4. (a) understand and use the common ion effect to explain the different solubility of a compound in a solution containing a common ion5. perform calculations using K_{sp} values and concentration of a common ion <p>Resources needed: Smartboard, past papers , textbooks</p> <p>Homework/Assignments: Questions from past papers</p>	<p>Topics: Accounts of Clubs and Societies</p> <p>Learning Objectives: To formulate financial statements of clubs</p> <p>Resources needed: Text book PPT Task Sheets Case based scenarios</p> <p>Homework/Assignments: Topical question M/J 2017 and O/N 2017All variants Research on the functioning oof Red Crescent UAE https://www.emiratesrc.ae/</p>
ISLAMIC ARABIC	ISLAMIC EDUCATION
<p>Topics: الفراق بين الزوجين</p> <p>Learning Objectives: أن يبين أنواع الفراق بين الزوجين أن يوضح آداب الاسلام وأحكامه في الطلاق أن يعلل مشروعية الخلع والتفريق بأمر القاضي</p> <p>Resources needed: الكتاب المدرسي البوربوينت أنشطة صفية</p>	<p>Topics: Extremism</p> <p>Learning Objectives: Understand the concept of extremism and its various forms (political, religious, social). Evaluate the impact of extremism on individuals, communities, and societies.</p> <p>Resources needed: Chapter on extremism (covering definitions, case studies, and global examples). A 5-10 minute</p>



Homework/Assignments:

حل أنشطة الطالب بالكتاب المدرسي
مراجعة البوربوينت للدرس

documentary on the impact of extremism (e.g., its influence on communities and how it spreads).

Homework/Assignments:

Write a 500-word essay on the following topic:
“Examine the role of education in preventing extremism. Provide examples from real-world events or movements where education has played a key role in countering extremist ideologies.”

BUSINESS

Topics:

Business strategy

Learning Objectives:

- analyze the meaning and purpose of business strategy
- analyze the meaning and purpose of strategic management

Resources needed:

Text book

Case studies

Mark scheme

Homework/Assignments:

Topical case studies