



LEARNING TRAILS AY 2024-25

GRADE: 12

TERM 1_WEEK 3 (9th to 13th September 2024)

IT	MATHEMATICS
<p>Topics: Mail merge: Setting up fields. System life cycle.</p> <p>Learning Objectives: Use Fill-in and Ask fields. Create appropriate prompts for the user for manual completion. Specify rules for selecting recipients. For excluding recipients by inserting conditional fields, including the use of:</p> <ul style="list-style-type: none">• If Then Else• Skip Record If• Next Record If <p>Describe different methods for data collection.</p> <p>Resources needed: Computer systems, Task sheet, Smart board</p> <p>Homework/Assignments: Solve the past paper questions from the given topic.</p>	<p>Topics: Trigonometry</p> <p>Learning Objectives: To be able to sketch all the Trigonometric Ratios. To be able to solve the Trigonometric Equations.</p> <p>Resources needed: Pat paper questions.</p> <p>Homework/Assignments: Topical past paper questions.</p>
ADVANCED ARABIC	GENERAL ARABIC
<p>Topics: قصيدة: أرق على أرق</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">– أن يبين المتعلم المعنى الإجمالي للنص الشعري موضحاً علاقة الفكر بعضها ببعض مفسراً مفرداتها من خلال السياق والقارئ باستخدام مصادر ورقية ورقمية– أن يفسر المتعلم الكلمات مستخدماً المعجم الورقي والرقمي	<p>Topics: درس القمر الصناعي</p> <p>Learning Objectives: أن يتحدث الطالب عن فوائد القمر الصناعي أن يستنتج الطالب مهمات القمر الصناعي أن يحلل الطالب فقرات الدرس تحليلاً لغوياً صحيحاً أن يكتب الطالب فقرة عن القمر الصناعي الإماراتي خليفة سات</p> <p>Resources needed:</p>



- أن يحلل المتعلم النص في سياقه التاريخي والاجتماعي والسياسي مستخلصا السمات الفنية له

Resources needed:

الكتاب المدرسي - الدفتر المدرسي - العرض التقديمي

Homework/Assignments:

كتابة بحث عن أبي الطيب المتنبي ، مستعينا بالمعلومات الموجودة في الكتاب المدرسي ص41

كتاب الطالب - الدفتر - العرض التقديمي - السبورة الذكية

Homework/Assignments:

يكتب الطالب فقرة عن القمر الصناعي خليفة سات

PHYSICS

Topics:

Gravitational Field

Learning Objectives:

Should be able to
Define gravitational potential
Explain why potential is negative at all points
Describe geostationary orbit
Solve problems based on potential and potential energy

Resources needed:

Calculator, stationery, smart board, sample questions

Homework/Assignments:

Topical past paper questions

BIOLOGY

Topics:

Photosynthesis

Learning Objectives:

-describe the relationship between the structure of chloroplasts, and their function
-explain that energy transferred as ATP during the light independent stage (Calvin cycle)
-state the site of the light-dependent stage and the site of the light-independent stage.
-describe the role of chloroplast pigments (chlorophyll a, chlorophyll b, carotene and xanthophyll) in light absorption.
- interpret absorption spectra of chloroplast pigments and action spectra for photosynthesis

Resources needed:

Textbook, notebook, smart board, stationary, calculator, Topical questions

Homework/Assignments:

Solve the given questions



CHEMISTRY	ACCOUNTING
<p>Topics: 23.3 Entropy change, ΔS</p> <p>Learning Objectives:</p> <ol style="list-style-type: none">1. Define the term entropy, S, as the number of possible arrangements of the particles and their energy in a given system2. Predict and explain the sign of the entropy changes that occur: * During a change in state, e.g. melting, boiling and dissolving (and their reverse) * During a reaction in which there is a change in the number of gaseous molecules3. Calculate the entropy change for a reaction, ΔS, given the standard entropies, S^\ominus, of the reactants and products, $\Delta S^\ominus = \sum S^\ominus (\text{products}) - \sum S^\ominus (\text{reactants})$ <p>Resources needed: Smartboards, textbooks, past papers.</p> <p>Homework/Assignments: Mentioned questions from textbook and past papers.</p>	<p>Topics: Master budget</p> <p>Learning Objectives To formulate master budget incorporating all functional budgets .</p> <p>Resources needed: <u>T</u>ext book Formats Hand outs Task sheet</p> <p>Homework/Assignments: Topical question M/J 2020</p>
ISLAMIC ARABIC	ISLAMIC EDUCATION
<p>Topics: وقاية المجتمع من الجرائم (سورة النور) 1-10</p> <p>Learning Objectives: أن يتعرف تشديد الإسلام على عقوبة الزنى أن يبين الآثار المترتبة عليها أن يستنتج معنى اللعان والحكمة منه أن يحرص على القيم التي تضمنتها الآيات الكريمة -</p>	<p>Topics: Protecting Society (Surah Al-Noor)</p> <p>Learning Objectives: Explain the meanings of the Quranic verses and its revelation. Discuss the reason of revelation and its importance</p>



Resources needed:

الكتاب المدرسي
بوربوينت
أنشطة تعليمية

Homework/Assignments:

حفظ الآيات الكريمة مراعيًا أحكام التجويد
حل أنشطة الطالب
مراجعة البوربوينت

Resources needed:

Textbook,
PPT
Online sites.

Homework/Assignments:

Memorize the verses of the Holy surah from Ayah
1-12, Solve the students' activities in the textbook.

BUSINESS

Topics:

External economic influences on business activity

Learning Objectives:

To:

analyse how governments help business, encourage enterprise and deal with market failure

- analyse the macroeconomic objectives of governments
- analyse the nature and causes of economic growth and its impact on business decisions
- analyse the business cycle and its impact on business decisions

Resources needed:

Text book
Case studies
Markscheme of case studies

Homework/Assignments:

Case study: Kenya's economic growth is good for business