



LEARNING TRAILS AY 2024-25

GRADE: 12

TERM 1_WEEK 9 (21st to 25th October 2024)

| IT | MATHEMATICS |
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| <p>Topics: Graphic Creation. Design vector graphics using adobe illustrator.</p> <p>Learning Objectives: identify and understand common graphic design skills.</p> <p>explore and use basic tools in Adobe Illustrator to create vector graphics.</p> <p>apply their knowledge to create simple graphic elements using Adobe Illustrator.</p> <p>Resources needed: Computers with Adobe Illustrator installed. Smart board. Internet access for research and inspiration.</p> <p>Homework/Assignments: Create a simple logo or icon design in Adobe Illustrator, using at least three tools from the lesson (Pen tool, Shape tool, and Color palette).</p> | <p>Topics: Logarithmic and exponential functions</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">use logarithms to solve equations and inequalities in which the unknown appears in indicesuse logarithms to transform a given relationship to linear form, and hence determine unknown constants by considering the gradient and/or intercept. <p>Resources needed: Topicwise questions, Smartboard,</p> <p>Homework/Assignments: Search Results (cambridgepapers.net) Search Results (cambridgepapers.net)</p> |
| ADVANCED ARABIC | GENERAL ARABIC |
| <p>Topics: (قصيدة) البركة</p> <p>Learning Objectives: أن يبين المتعلم المعنى الإجمالي للنصوص الشعرية موضحاً علاقة الفكر بعضها ببعض مفسراً مفرداتها من خلال السياق والقرائن باستخدام مصادر ورقية ورقمية متعددة مستنتجاً الدلالات التعبيرية الإيحائية.</p> <p>أن يحلل المتعلم النصوص في سياقها التاريخي والاجتماعي والسياسي مستخلصاً السمات الفنية لها أن يفسر الكلمات مستخدماً المعجم الورقي والرقمي</p> | <p>Topics: درس طائر النعام</p> <p>Learning Objectives: <u>أن يتعرف الطالب على مفردات الدرس</u> <u>أن يقرأ الطالب الدرس قراءة صحيحة</u> <u>أن يستنتج الطالب فوائد طائر النعام</u> <u>أن يتحدث الطالب عن طائر النعام</u></p> <p>Resources needed: <u>كتاب الطالب- السبورة الذكية - أوراق عمل مختلفة</u></p> <p>Homework/Assignments: كتابة فقرة عن الطيور في الإمارات العربية المتحدة</p> |



Resources needed:

الكتاب المدرسي - الدفتر المدرسي - العرض التقديمي - السبورة
الذكية

Homework/Assignments:

(كتابة نبذة عن حياة الشاعر (البحتري

PHYSICS

Topics:

Simple Harmonic Motion

Learning Objectives:

Should be able to

1. Define SHM
2. Explain and apply SHM equations to solve problems
3. Sketch and interpret SHM graphs
4. Describe types of oscillations
5. Explain resonance

Resources needed:

Whiteboard/Smartboard Markers Pendulum or mass-spring system (physical demonstration) Calculators Worksheets with SHM problems

Homework/Assignments:

Complete questions from topical paper on SHM
(calculations and concept review) Research and summarize
two real-world applications of SHM

BIOLOGY

Topics:

Control and coordination

Learning Objectives:

Describe the structure and function of nerve cells
Explain the role of sensory receptor cells in detecting stimuli and stimulating the transmission of impulses
describe the sequence of events that results in an action potential in a sensory neurone,
Describe how the resting potential is maintained
describe and explain the rapid transmission of an impulse in a myelinated neurone with reference to saltatory conduction

Resources needed:

PPT ,Activity sheet ,graph paper ,stationeries ,topical questions

Homework/Assignments:

Solve the given questions of coordination



| CHEMISTRY | ACCOUNTING |
|--|--|
| <p>Topics: 24 Electrochemistry</p> <p>Learning Objectives: Predict qualitatively how the value of an electrode potential, E, varies with the concentrations of the aqueous ions and use the Nernst equation</p> <p>Resources needed: <u>Smartboards, textbooks, past papers.</u></p> <p>Homework/Assignments: Questions from past papers.</p> | <p>Topics: Manufacturing account Cash Flow Statement</p> <p>Learning Objectives: To account for provision for unrealized profit in Manufacturing Income Statement To formulate Statement of cash flows in accordance with IAS 7</p> <p>Resources needed: Text book IAS 7 handout PPT Task Sheet</p> <p>Homework/Assignments: Topical questions</p> |
| ISLAMIC ARABIC | ISLAMIC EDUCATION |
| <p>Topics: (حديث الإفك) سورة النور</p> <p>Learning Objectives: أن يتلو الطلاب الآيات تلاوة مجودة أن يستنتج الطلاب معاني مفردات الآيات الكريمة</p> <p>Resources needed: الكتاب المدرسي البوربوينت أنشطة صفية</p> <p>Homework/Assignments: حل أنشطة الطالب بالكتاب المدرسي مراجعة البوربوينت للدرس</p> | <p>Topics: The Slander Against 'A'ishah (R.A) – Ifk</p> <p>Learning Objectives: Understand the historical context and significance of the event of Ifk (the slander against 'A'ishah R.A). Analyze the Islamic perspective on false accusations and the importance of verifying information.</p> <p>Resources needed: Quran with Tafseer Islamic history textbook Video/documentary Whiteboard or digital projector</p> <p>Homework/Assignments: Ask students to read and analyze verses 11-20 from Surah An-Nur. Write a reflection on how these verses guide Muslims in dealing with false accusations and gossip.</p> |



BUSINESS

Topics:

Marketing Strategies

Learning Objectives:

To analyze the importance of corporate planning

To evaluate different types of corporate culture and its impact on decision-making

To evaluate the importance of transformational leadership

To analyze the management and control of strategic change

To evaluate the importance of contingency planning and crisis management.

Resources needed:

E book, Topical case studies, Mark schemes

Homework/Assignments:

Practice topical past papers