

LEARNING TRAILS AJB SECONDARY

Grade: 11

Date: Week 2 – 9th to 13th January 2023

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<p>ARABIC LANGUAGE _ ARABS</p> <p>UNIT: 4</p> <p>LESSON: قصة - حتى آخر رمق</p>	<ul style="list-style-type: none"> • لخط • المحقون • هوجاء • مدعورة 	<ul style="list-style-type: none"> • أن يتعرف المتعلم عنصرا الراوي ووجهة النظر في القصة • أن يتعرف وجهة نظر الراوي وأثر ذلك في بناء القصة • أن يفسر كلمات النص مستنتجا الدلالات التعبيرية فيها • أن يميز معاني الكلمات من خلال جذورها واشتقاقها 	<ul style="list-style-type: none"> • بوربوينت • الكتاب المدرسي • أنشطة تعليمية • الواجب : حفظ أول عشرة أبيات من قصيدة أراك عصي الدمع
<p>ARABIC LANGUAGE_ GENERAL HG</p> <p>UNIT: 2</p> <p>LESSON: مواصلة درس في الاتصالات</p>	<ul style="list-style-type: none"> • قوس نشاب • مفهوم • تقريبا 	<ul style="list-style-type: none"> • يبحث ويستكشف من المصادر • يقارن بين الحياة سابقا والحياة بعد التكنولوجيا 	<ul style="list-style-type: none"> • العروض التقديمية • الكتاب المدرسي • الأنشطة • أوراق العمل • الإستعداد للمسابقة
<p>ISLAMIC STUDIES_ ARABS</p> <p>UNIT: 3</p> <p>LESSON: الاقتداء برسول الله</p>	<ul style="list-style-type: none"> • أحكام التجويد • قضي • نحبه • صياصبيهم 	<ul style="list-style-type: none"> • أن يتلو للآيات الكريمة مراعيًا أحكام التجويد • أن يفسر مفردات الآيات الكريمة أن يستنتج مجالات الإقتداء بالرسول 	<ul style="list-style-type: none"> • الحوار والمناقشة • المراجعة • طرح الأسئلة • الاستماع والتحدث • التلاوة • فيديو • البوربوينت
<p>ISLAMIC STUDIES – ENGLISH</p> <p>UNIT: 3</p>	<ul style="list-style-type: none"> • Explain the meaning of the Quranic ayah • Explain the story of the surah • Describe the 	<ul style="list-style-type: none"> • Acquisition (Read, Watch, Learn) • Learning from Practice • Learning from discussion • Learning from real life connection 	<ul style="list-style-type: none"> • Online quiz • Discussion • PPT • Video

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<p>LESSON: Surah Al Ahzab</p>	<p>theme of the surah</p> <ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • subject integration/ • MEP integration • 	<ul style="list-style-type: none"> • • Textbook • Teacher exposition • Class discussions • Daily life •
<p>MATHEMATICS</p> <p>UNIT: 5</p> <p>LESSON: Probability Distributions and Discrete Random Variables</p>	<ul style="list-style-type: none"> • Discrete Random Variables • The probability Function • Expectation of a discrete random variable • The variance of a discrete random variable 	<p>Students shall be able to:</p> <ul style="list-style-type: none"> • Define a discrete random variable • Construct probability distribution table relating to a given situation involving discrete random variable • Calculate $E(X)$ the mean or expected value of X • Calculate $Var(X)$, the variance of X 	<ul style="list-style-type: none"> • Textbook questions • Past paper questions • Quiz
<p>PHYSICS</p> <p>UNIT: waves</p> <p>LESSON: Doppler effect, em waves, polarisation</p>	<p>Doppler effect</p> <p>Frequency and wavelength of em waves</p> <p>Polarisation of waves</p> <p>Principle of superposition</p>	<ul style="list-style-type: none"> • use the formula to calculate the observed frequency • List out the em waves in the order of wavelength and frequency • Use the Malus law to calculate angle • demonstrate two-source interference using water waves in a • ripple tank, sound, light and microwaves 	<ul style="list-style-type: none"> • Brainstorm • Discussion • Written assessment • Practice mcq • Mini Quiz
<p>CHEMISTRY</p> <p>UNIT: 8</p> <p>LESSON: Reaction Kinetics</p>	<ul style="list-style-type: none"> • Rate of Reaction • Collision Theory • Factors affecting rate of Reaction. 	<ul style="list-style-type: none"> • Explain and use the term rate of reaction, frequency of collisions, effective collisions and non-effective collisions. • Explain qualitatively, in terms of frequency of effective collisions, the effect of concentration and pressure changes on the rate of a reaction. • Use experimental data to calculate the rate of a reaction. 	<ul style="list-style-type: none"> • At this level, learners should be able to interpret graphs derived from experimental data, for example, a graph of 'quantity of product formed' [y-axis] against 'time' [x-axis]. • From this, they should be able to calculate the mean rate of reaction. • Mean rate of

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			reaction = change in mass or volume of product/ change in time
BIOLOGY UNIT: 6 LESSON: Nucleic acids and protein synthesis	6.1 Structure of nucleic acids and replication of DNA 6.2 Protein synthesis	<ul style="list-style-type: none"> Describe the structure of nucleotides, including the phosphorylated nucleotide ATP Describe the structure of a DNA molecule as a double helix Describe the structure of an RNA molecule, using the example of messenger RNA 	<ul style="list-style-type: none"> Solve structured questions from the past papers Quiz –from the topic Class tests Solve end of the chapter questions
INFORMATION TECHNOLOGY (IT) UNIT: 4 LESSON: Algorithms and flowcharts	<ul style="list-style-type: none"> Edit a given algorithm Write an algorithm using pseudocode to solve a given problem Normalization 	<ul style="list-style-type: none"> Candidates should be able to write a basic algorithm that demonstrates a decision making process Including: Conditional branching, Looping Nested loops, Procedures/subroutines Organize the files into 3NF and create relational database 	<ul style="list-style-type: none"> Structured questions Solving past paper questions Assignment
ECONOMICS UNIT: LESSON:	<ul style="list-style-type: none"> Aggregate demand and supply 	<ul style="list-style-type: none"> Understanding the national income considering the aggregate supply and demad 	<ul style="list-style-type: none"> PPTs Videos Past Paper questions
ACCOUNTING UNIT: Inventory valuation LESSON: FIFO,AVCO	Inventory valuation	To prepare stores ledger under FIFO and AVCO	Formats Structured topical questions Assessment and feedback

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<p>BUSINESS STUDIES</p> <p>UNIT: 4</p> <p>LESSON:24</p>	<ul style="list-style-type: none"> The nature of operation 	<p>To :</p> <p>explain what is meant by operations management</p> <ul style="list-style-type: none"> analyse the nature of the production process and how value can be added differentiate between production and productivity, efficiency and effectiveness analyse how a business could increase the sustainability of its operations 	<p>Progressive tests</p> <p>Solving Exam style questions</p>
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