

LEARNING TRAILS

AJB SECONDARY

Grade: 12
Date: Week 5 – 26th to 30th September 2022

SUBJECTS	LESSONS AND CONCEPTS	LEARNING OBJECTIVES	ASSIGNMENTS AND ASSESSMENT
<p>ARABIC LANGUAGE _ ARABS</p> <p>UNIT: الأولى</p> <p>LESSON: الجملة الاسمية</p>	<ul style="list-style-type: none"> الجملة الاسمية الجملة الفعلية أشكال المبتدأ أشكال الخبر 	<ul style="list-style-type: none"> أن يميز المتعلم بين الجملة الاسمية والجملة الفعلية أن يحدد المتعلم أركان الجملة الاسمية أن يعرب المتعلم الجمل إعراباً صحيحاً أن يوظف المتعلم المبتدأ والخبر بأشكالهما في جمل مفيدة 	<ul style="list-style-type: none"> مناقشة الأسئلة التي يتضمنها العرض التقديمي الواجب المنزلي: حل تمارينات الكتاب / سبر ص 28-27
<p>ARABIC LANGUAGE_ GENERAL HG</p> <p>UNIT: 1</p> <p>LESSON: مواصلة درس (الوطن) 1</p>	<ul style="list-style-type: none"> أطراف الحديث نصيحتي أرض الحجاز بقعة ترنحليين 	<ul style="list-style-type: none"> أن يستخدم المفردات في جمل مفيدة أن يتحدث عن موضوع الدرس بطلاقة أن يكتب فقرة عن الدرس مراعيًا سلامة اللغة 	<ul style="list-style-type: none"> العروض التقديمية الأنشطة أوراق العمل وظف المفردات التي تحتها خط في جمل من إنشائك Use the underlined words in the sentences you created
<p>ISLAMIC STUDIES_ ARABS</p> <p>UNIT:1</p> <p>LESSON: مناهج المفسرين</p>	<ul style="list-style-type: none"> معنى المنهج معنى التفسير العقلي النقلي الأثر 	<ul style="list-style-type: none"> أن يوضح المقصود بمناهج المفسرين أن يميز بين مناهج المفسرين أن يحدد التفسير المناسب حسب موضوع البحث 	<ul style="list-style-type: none"> مراجعة البوربوينت حل ورقة عمل التغذية نشاط إلكتروني

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<p>ISLAMIC STUDIES – ENGLISH</p> <p>UNIT: One</p> <p>LESSON: Separation of spouses</p>	<ul style="list-style-type: none"> Acquisition (Read, Watch, Learn) Learning from Practice Learning from discussion Learning from real life connection/ subject integration/ MEP integration Power point video embedded Live Teaching 	<ul style="list-style-type: none"> Explain the meaning of Talaq Describe the types of Divorce 	<ul style="list-style-type: none"> Online quiz Discussion Daily life PPT Video Textbook
<p>MATHEMATICS</p> <p>UNIT: Logarithmic & Exponential functions.</p> <p>LESSON:</p>	<ul style="list-style-type: none"> To be able to solve both logarithmic & exponential functions. To be able to find the unknown constants using logarithmic for linear equations. 	<ul style="list-style-type: none"> Learning by recalling Indices laws. Learning by discussions. Learning by connecting to real world examples. 	<ul style="list-style-type: none"> Topical questions, Past paper questions.
<p>PHYSICS</p> <p>UNIT: Ideal gas</p> <p>LESSON:</p>	<ul style="list-style-type: none"> Mole Equation of state Kinetic Theory of Gases 	<ul style="list-style-type: none"> Should be able to Define one mole, ideal gas. Derive and apply equations which link pressure and density of gas, KE and average temperature. 	<ul style="list-style-type: none"> Sample past paper questions Cycle Test 2
<p>CHEMISTRY</p> <p>UNIT: 24</p> <p>LESSON: electrochemistry</p>	<ul style="list-style-type: none"> Understanding electrode potential Standard hydrogen electrodes Determination of standard electrodes potentials of test electrodes. 	<ul style="list-style-type: none"> Difference of potential between SHE and test electrodes all measurements in standard conditions. SHE can act as cathode and anode and can be used to determine E^* of test electrodes. $E^* \text{ cell} = E_c - E_a$ 	<ul style="list-style-type: none"> Sample questions from past papers and text book

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<p>BIOLOGY</p> <p>UNIT:</p> <p>Photosynthesis /Homeostasis</p> <p>LESSON:</p>	<ul style="list-style-type: none"> • Calvin cycle • Factors affecting photosynthesis • Experiments to check the effect of light intensity • Chromatography lab activity • Experiments to analyze the effect of light intensity and amount of chlorophyll pigment to rate of photosynthesis • Explain homeostasis • Structure of kidney • Role of liver 	<ul style="list-style-type: none"> • Explain three steps of Calvin cycle • Interpret the graph of various factors affecting photosynthesis • Lab activity to extract chlorophyll pigment and carry out chromatography • Demonstrate the experiment set up • Explain the principle of homeostasis • Draw detailed structure of kidney and associated blood vessels • Explain deamination and urea formation 	<ul style="list-style-type: none"> • Topical questions • Class test • Plotting graph • Observe and interpret experiment set up • Complete the given past paper questions /worksheet
<p>INFORMATION TECHNOLOGY (IT)</p> <p>UNIT: 16</p> <p>LESSON: System life cycle</p>	<ul style="list-style-type: none"> • System processing • Flow of data through system 	<ul style="list-style-type: none"> • Candidates will be expected to construct a system flowchart and a data flow diagram (DFD) using correct symbols. • Describe features and elements of forms, appropriate use of forms for data collection, validation and checking of data collected by forms, input screen layouts. 	<ul style="list-style-type: none"> • Past paper questions • Case study • Assignments
<p>ECONOMICS</p> <p>UNIT:</p> <p>LESSON:</p>	<ul style="list-style-type: none"> • EFFICIENCY AND MARKET FAILURE 	<ul style="list-style-type: none"> • Understanding the market efficiency and failure • Describing the positive and negative externalities 	<ul style="list-style-type: none"> • PPT • Structured questions • Assessment and feedback



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<p>ACCOUNTING</p> <p>UNIT: Cost and management accounting</p> <p>LESSON: Investment appraisal</p>	<ul style="list-style-type: none"> • Methods of Investment appraisal – NPV and IRR 	<ul style="list-style-type: none"> • To appraise capital investment projects under NPV and IRR methods 	<ul style="list-style-type: none"> • Formats • Structured questions • Assessment and feedback
<p>BUSINESS STUDIES</p> <p>UNIT: 2</p> <p>LESSON:7</p>	<ul style="list-style-type: none"> • External influences on business behavior 	<ul style="list-style-type: none"> • To analyze the impact of various economic factors on business. 	<ul style="list-style-type: none"> • Case studies. • Data response questions • Progressive tests.