

LEARNING TRAILS

AJB SECONDARY

Grade: 10

Date: Week 12 – 14th to 18th November 2022

SUBJECTS	LESSONS AND CONCEPTS	LEARNING OBJECTIVES	ASSIGNMENTS AND ASSESSMENT
<p>ARABIC LANGUAGE _ ARABS</p> <p>UNIT: الفصل الدراسي الأول</p> <p>LESSON: نص معلوماتي بنك البذور</p>	<ul style="list-style-type: none"> يستلزم - يناط هاجس - جينات القبو - ودائع 	<ul style="list-style-type: none"> أن يحدد المتعلم الفكرة الرئيسية من خلال تحليل النص أن يدمج المتعلم المعلومات المقدمة في موضوع محدد أن يقيم المتعلم الأدلة أن يلخص المتعلم النص 	<ul style="list-style-type: none"> مناقشة العرض التقديمي أوراق عمل مختلفة نشاط إلكتروني الواجب: بحث عن أهم المحاصيل الزراعية في دولة الإمارات العربية المتحدة https://www.liveworksheets.com/ol1235770dq https://www.liveworksheets.com/su1256855qe
<p>ARABIC LANGUAGE_ GENERAL HG</p> <p>UNIT: 2</p> <p>LESSON: فرص العمل</p>	<ul style="list-style-type: none"> تزيد فرص العمل تتلاشى استطلاع حيوية 	<ul style="list-style-type: none"> أن يتعرف المفردات الجديدة أن يحدد الطالب الدرس (المستفاد من قصة (جا ما أن يذكر الطالب كيفية مواجهة جاك ما للوضع المحبط الذي عانى منه أنم يكتب الطالب عن شخصية ناجحة من الحياة 	<ul style="list-style-type: none"> بوربوينت أنشطة صفية تعليمية الكتاب المدرسي H w : حل النشاط الموجود على الورد ول والكوييز https://wordwall.net/ar/resource/11424110 https://quizizz.com/admin/quiz/636cd509b280a6001d59794d?source=quiz_share
<p>ISLAMIC STUDIES_ ARABS</p> <p>UNIT: 2</p> <p>LESSON: درس مراحل جمع القرآن</p>	<ul style="list-style-type: none"> اللخاف السطور العرضة الأخيرة القراءات السبع النسخ الرسم العثماني 	<ul style="list-style-type: none"> أوضح مفهوم جمع القرآن أقارن بين دور أبي بكر الصديق وعثمان بن عثمان في جمع القرآن أبين دور أبي بكر الصديق وعثمان بن عفان في الحفاظ على القرآن الكريم 	<ul style="list-style-type: none"> مراجعة البوربوينت للدرس أنشطة صفية أوراق عمل حل أنشطة الطالب للدرس

<p>ISLAMIC STUDIES – ENGLISH</p> <p>UNIT: 2</p> <p>LESSON: Collection of Quran</p>	<ul style="list-style-type: none"> • Explain the compilation and revelation of Quran • Stages of collection of Quran 	<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 	<ul style="list-style-type: none"> • Online quiz • Discussion • Daily life • PPT • Video • Textbook
<p>ENGLISH LANGUAGE</p> <p>UNIT: LISTENING</p> <p>LESSON: LISTENING COMPREHENSION</p>	<ul style="list-style-type: none"> • Understand factual information, abstract ideas and arguments from a wide range of sources, e.g. recorded phone messages, announcements, dialogues, informal conversations, interviews and formal talks. A variety of voices and accents will be heard in recordings to reflect the various contexts presented. 	<ul style="list-style-type: none"> • L1 identify and select relevant information • L2 understand ideas, opinions and attitudes • L3 show understanding of the connections between ideas, opinions and attitudes • L4 understand what is implied but not directly stated, e.g. gist, speaker's purpose, intention and feelings 	<ul style="list-style-type: none"> • PAST PAPER 2019
<p>MATHEMATICS</p> <p>UNIT: 4,8</p> <p>LESSON: Symmetry, vector</p>	<ul style="list-style-type: none"> • Different types of symmetry line, rotational, and plane symmetry • Knowing about vectors drawing adding, subtracting and multiplication by scalar 	<ul style="list-style-type: none"> • To know how Draw the lines of symmetry on a 2D shape. • Recognise shapes with reflective symmetry • Find the order of rotational symmetry for a 2-D shape. • Recognize shapes with rotational symmetry. • To find the planes and axes of symmetry of simple three-dimensional shapes. • Draw and label the column vectors. • Multiplication of vectors by scalars • Addition and 	<ul style="list-style-type: none"> • Exercise questions for practice • Daily practice questions • Class test • Past paper

		subtraction of vectors using nose-to-tail method	
PHYSICS UNIT: 20 LESSON: Electromagnetic Effects	<ul style="list-style-type: none"> The transformer 	<ul style="list-style-type: none"> Describe the construction of a simple transformer with a soft iron core. Explain the principle of operation of a simple iron-cored transformer 	<ul style="list-style-type: none"> Self-Assessment Peer assessment Past Paper questions Mind Map Task Sheet
CHEMISTRY UNIT: Chemical Reactions LESSON: Redox	<ul style="list-style-type: none"> Oxidation Reduction Redox Loss of electrons Gain of electrons Oxidation number Oxidizing agent Reducing agent 	<ul style="list-style-type: none"> Identify redox reactions by changes in oxidation number using: <ul style="list-style-type: none"> (a) the oxidation number of elements in their uncombined state is zero (b) the oxidation number of a monatomic ion is the same as the charge on the ion (c) the sum of the oxidation numbers in a compound is zero (d) the sum of the oxidation numbers in an ion is equal to the charge on the ion Identify redox reactions by the colour changes involved when using acidified aqueous potassium manganate(VII) or aqueous potassium iodide Define an oxidizing agent as a substance that oxidizes another substance and is itself reduced 	<ul style="list-style-type: none"> Task sheet PPT Revision sheet Worksheet Class test Past paper

		<ul style="list-style-type: none"> Define a reducing agent as a substance that reduces another substance and is itself oxidized Identify oxidizing agents and reducing agents in redox reactions 	
<p>BIOLOGY</p> <p>UNIT: 16</p> <p>Reproduction</p> <p>LESSON: Asexual and sexual reproduction in plants.</p>	<ul style="list-style-type: none"> Advantages and disadvantages of asexual reproduction. Sexual reproduction- Fertilization. Pollination and fertilization. 	<ul style="list-style-type: none"> Identify examples of asexual reproduction in diagrams, images and information provided Describe fertilization as the fusion of the nuclei of gametes Identify in diagrams and images and describe the anthers and stigmas of a wind-pollinated flower Discuss the potential effects of self-pollination and cross-pollination on a population 	<ul style="list-style-type: none"> Task sheet PPT Revision sheet Worksheet Class test Past paper.
<p>INFORMATION & COMMUNICATION TECHNOLOGY (ICT)</p> <p>UNIT: 7 &8</p> <p>LESSON: System life cycle & Safety and security</p>	<ul style="list-style-type: none"> Revision for system life cycle Card Fraud 	<ul style="list-style-type: none"> Describe the stages of system life cycle Methods of card fraud Prevention of Hacking 	<ul style="list-style-type: none"> Class assessment for chapter 7 PPTs Past Paper questions
<p>ECONOMICS</p> <p>UNIT:</p> <p>LESSON:</p>	<ul style="list-style-type: none"> ECONOMIC DEVELOPMENT 	<ul style="list-style-type: none"> Describing and explaining the measurements of economic growth and development 	<ul style="list-style-type: none"> Assessment and feedback Structured questions Progressive tests



<p>ACCOUNTING</p> <p>UNIT: Depreciation</p> <p>LESSON: Depreciation on disposal of non current assets</p>	<ul style="list-style-type: none"> Disposal of non-current assets 	<ul style="list-style-type: none"> To account for depreciation on disposal of non-current assets and to calculate the profit or loss on disposal of non-current assets 	<ul style="list-style-type: none"> Formats MCQ Topical structured questions Assessment and feedback
<p>BUSINESS STUDIES</p> <p>UNIT: 4</p> <p>LESSON: 4.2</p>	<ul style="list-style-type: none"> Costs, scale of production and break-even analysis 	<ul style="list-style-type: none"> To analyse the concept of economies of scale with examples, e.g. purchasing, marketing, financial, managerial, technical 	<ul style="list-style-type: none"> Progressive Test Case studies