

## LEARNING TRAILS

### AJB SECONDARY

Grade: 10

Date: Week 3 – 12th to 16th September 2022

SUBJECTS	LESSONS AND CONCEPTS	LEARNING OBJECTIVES	ASSIGNMENTS AND ASSESSMENT
<p><b>ARABIC LANGUAGE_</b> <b>ADVANCE HG</b></p> <p><b>UNIT:</b> الفصل الدراسي الأول</p> <p><b>LESSON:</b> قصيدة ( إذا المرء لم يدنس ) - قصة الخبز</p>	<ul style="list-style-type: none"> <li>• اللؤم - يدنس</li> <li>• رداء - تعيرنا</li> <li>• عزيز - دليل</li> </ul>	<ul style="list-style-type: none"> <li>• أن يقدم المتعلم نبذة عن الشاعر</li> <li>• أن يتعرف المتعلم المفردات الجديدة</li> <li>• أن يفسر المتعلم معاني المفردات</li> <li>• أن يحدد المتعلم المعنى الإجمالي للنص</li> </ul>	<ul style="list-style-type: none"> <li>• عرض تقديمي</li> <li>• أنشطة مختلفة</li> <li>• نشاط إلكتروني</li> </ul>
<p><b>ARABIC LANGUAGE_</b> <b>GENERAL HG</b></p> <p><b>UNIT:</b> 1</p> <p><b>LESSON:</b> أنا مسؤول</p>	<ul style="list-style-type: none"> <li>• المواطنة الصالحة</li> <li>• المسؤولية المجتمعية</li> <li>• التسامح</li> <li>• المهارات</li> </ul>	<ul style="list-style-type: none"> <li>• أن يقرأ الطالب قراءة جهرية صحيحة</li> <li>• أن يحدد الطالب الفكرة الرئيسية والأفكار الفرعية</li> <li>• أن يتحدث الطالب عن المسؤولية المجتمعية وكيفية حدوثها</li> <li>• أن يجيب الطالب عن الأسئلة</li> </ul>	<ul style="list-style-type: none"> <li>• عرض تقديمي</li> <li>• أنشطة صفية تعليمية</li> <li>• أوراق عمل</li> </ul>
<p><b>ISLAMIC STUDIES_</b> <b>ARABS</b></p> <p><b>UNIT:</b> 1</p> <p><b>LESSON:</b> درس آيات من سورة الكهف</p>	<ul style="list-style-type: none"> <li>• الحمد لله</li> <li>• عوجا</li> <li>• قَيِّمًا</li> <li>• أنزل</li> <li>• ينذر</li> <li>• بَّاسًا</li> </ul>	<ul style="list-style-type: none"> <li>• يذكر سبب نزول سورة الكهف</li> <li>• يوضح المعنى الإجمالي للآيات</li> <li>• يبين معاني المفردات القرآنية في الآيات</li> <li>• يدل على مكانة وأهمية حفظ سورة الكهف وتدبرها</li> </ul>	<ul style="list-style-type: none"> <li>• مراجعة البوربوينت للدرس</li> <li>• أنشطة صفية</li> <li>• حل نشاط الطالب للدرس</li> </ul>
<p><b>ISLAMIC STUDIES –</b> <b>ENGLISH</b></p> <p><b>UNIT:</b> One</p> <p><b>LESSON:</b> Makki and Madani Quran</p>	<ul style="list-style-type: none"> <li>• Explain Makki and Madani Quran</li> <li>• Define Makki surah and its number</li> <li>• Define Madani Surah and its number</li> </ul>	<ul style="list-style-type: none"> <li>• Acquisition (, Watch, Learn)</li> <li>• Learning from Practice</li> <li>• Learning from discussion</li> <li>• Learning from real life connection/ subject integration/</li> <li>• MEP integration</li> <li>• Power point video</li> </ul>	<ul style="list-style-type: none"> <li>• Online Quiz</li> <li>• Discussion</li> <li>• Daily life</li> <li>• PPT</li> <li>• Video</li> <li>• Textbook</li> </ul>

		<p>embedded</p> <ul style="list-style-type: none"> <li>• Live Teaching</li> <li>• Task sheets for practice</li> <li>• Discussion tool</li> </ul>	
<p><b>ENGLISH LANGUAGE</b></p> <p><b>UNIT: 5</b></p> <p><b>LESSON: LETTER WRITING</b></p>	<ul style="list-style-type: none"> <li>• Recognize collocations and auxiliary verbs in an everyday context.</li> <li>• Understand the use of collocations in writing</li> <li>• Produce a text using collocations showing good control of grammar and punctuations.</li> <li>• Compose a letter using idioms, collocations and figures of speech.</li> </ul>	<ul style="list-style-type: none"> <li>• W3 employ and control a variety of grammatical structures</li> <li>• W4 demonstrate knowledge and understanding of a range of appropriate vocabulary</li> <li>• W5 observe conventions of paragraphing, punctuation and spelling</li> </ul>	<ul style="list-style-type: none"> <li>• Past paper booklet</li> </ul>
<p><b>MATHEMATICS</b></p> <p><b>UNIT: 6</b></p> <p><b>LESSON: Angle of elevation and depression, 3 figures bearings</b></p>	<ul style="list-style-type: none"> <li>• Trigonometry</li> <li>• Angles of elevation and depression</li> <li>• 3 figures bearings</li> </ul>	<ul style="list-style-type: none"> <li>• To know how to identify the angle of elevation and depression</li> <li>• To solve the problems based on angle of elevation and depression</li> <li>• To know and comprehend the term 'bearing'.</li> <li>• To use a bearing to specify a direction</li> <li>• To interpret and use bearing to solve problems</li> </ul>	<ul style="list-style-type: none"> <li>• Daily questions</li> <li>• Weekly test</li> <li>• Solving Past paper</li> </ul>
<p><b>PHYSICS</b></p> <p><b>UNIT: 3</b></p> <p><b>LESSON: Electricity and Magnetism</b></p>	<ul style="list-style-type: none"> <li>• Electric field</li> <li>• Electric Charge</li> <li>• Positive Charges</li> <li>• Negative Charges</li> <li>• Conductors</li> <li>• Insulators</li> </ul>	<ul style="list-style-type: none"> <li>• State that there are positive and negative charges</li> <li>• 2 State that positive charges repel other positive charges, negative charges repel other negative charges, but positive charges attract</li> </ul>	<ul style="list-style-type: none"> <li>• Quiz</li> <li>• Worksheets based on Past paper question</li> <li>• Concept Map</li> <li>• Peer assessment</li> <li>• self-Assessment</li> </ul>

		<p>negative charges</p> <ul style="list-style-type: none"> <li>Describe an experiment to distinguish between electrical conductors and insulators</li> </ul>	
<p><b>CHEMISTRY</b></p> <p><b>UNIT:</b> <b>Electrochemistry</b></p> <p><b>LESSON: Electrolysis</b></p>	<ul style="list-style-type: none"> <li>Electrolysis</li> <li>Electrolyte</li> <li>Anode</li> <li>Cathode</li> <li>Electrode</li> <li>Ionic equation</li> </ul>	<ul style="list-style-type: none"> <li>Define electrolysis as the decomposition of an ionic compound, when molten or in aqueous solution, by the passage of an electric current.</li> <li>Identify in simple electrolytic cells: <ul style="list-style-type: none"> <li>(a) the anode as the positive electrode</li> <li>(b) the cathode as the negative electrode</li> <li>(c) the electrolyte as the molten or aqueous substance that undergoes electrolysis</li> </ul> </li> <li>Describe the transfer of charge during electrolysis to include: <ul style="list-style-type: none"> <li>(a) the movement of electrons in the external circuit</li> <li>(b) the loss or gain of electrons at the electrodes</li> <li>(c) the movement of ions in the electrolyte</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Quiz</li> <li>Worksheets based on Past paper question</li> <li>Peer assessment</li> <li>self-Assessment</li> </ul>
<p><b>BIOLOGY</b></p> <p><b>UNIT: 12 Respiration</b></p> <p><b>LESSON: Aerobic and anaerobic respiration</b></p>	<ul style="list-style-type: none"> <li>Describe aerobic and anaerobic respiration as the chemical reactions in cells</li> <li>State the balanced chemical equation for aerobic and anaerobic respiration</li> </ul>	<ul style="list-style-type: none"> <li>State the uses of energy in living organisms, including: muscle contraction, protein synthesis, cell division, active transport, growth, the passage of nerve impulses and the</li> </ul>	<ul style="list-style-type: none"> <li>Worksheets</li> <li>Past papers questions</li> <li>Unit 1 notes</li> </ul>

		<p>maintenance of a constant body temperature</p> <ul style="list-style-type: none"> <li>• 2 Investigate and describe the effect of temperature on respiration in yeast</li> <li>• Outline how the oxygen debt is removed after exercise, limited to: <ul style="list-style-type: none"> <li>(a) continuation of fast heart rate to transport lactic acid in the blood from the muscles to the liver</li> <li>(b) continuation of deeper and faster breathing to supply oxygen for aerobic respiration of lactic acid</li> <li>(c) aerobic respiration of lactic acid in the liver</li> </ul> </li> </ul>	
<p><b>INFORMATION &amp; COMMUNICATION TECHNOLOGY (ICT)</b></p> <p><b>UNIT: 7</b></p> <p><b>LESSON: System Life cycle</b></p>	<ul style="list-style-type: none"> <li>• Design stage</li> <li>• Development and Testing</li> </ul>	<ul style="list-style-type: none"> <li>• Able to identify validation and verification techniques</li> <li>• Able to understand different testing methods</li> </ul>	<ul style="list-style-type: none"> <li>• PPTs</li> <li>• Teams</li> <li>• Video</li> <li>• Textbook</li> </ul>
<p><b>ECONOMICS</b></p> <p><b>UNIT:</b></p> <p><b>LESSON:</b></p>	<ul style="list-style-type: none"> <li>• Government and the macroeconomy</li> <li>• Macroeconomic aims- unemployment</li> </ul>	<ul style="list-style-type: none"> <li>• Understanding the government's aims and their impact</li> </ul>	<ul style="list-style-type: none"> <li>• Structured question</li> <li>• Case studies</li> </ul>
<p><b>ACCOUNTING</b></p> <p><b>UNIT: Financial Statements</b></p> <p><b>LESSON: Accounts of Club</b></p>	<ul style="list-style-type: none"> <li>• Clubs and Societies</li> </ul>	<ul style="list-style-type: none"> <li>• To formulate Income and expenditure account</li> </ul>	<ul style="list-style-type: none"> <li>• Formats</li> <li>• Structured questions</li> <li>• Assessment and feedback</li> </ul>



<p><b>BUSINESS STUDIES</b></p> <p><b>UNIT: 3</b></p> <p><b>LESSON: Market Research</b></p>	<ul style="list-style-type: none"> <li>Secondary market Research</li> </ul>	<ul style="list-style-type: none"> <li>To identify various methods/sources of secondary market research</li> <li>To evaluate the various sources of market research</li> </ul>	<ul style="list-style-type: none"> <li>Case studies</li> <li>Short answer questions</li> </ul>
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