

## LEARNING TRAILS

### AJB SECONDARY

Grade: 10

Date: Week 4 – 19th to 23rd September 2022

SUBJECTS	LESSONS AND CONCEPTS	LEARNING OBJECTIVES	ASSIGNMENTS AND ASSESSMENT
<b>ARABIC LANGUAGE _ ARABS</b> <b>UNIT: الفصل الدراسي الأول</b> <b>LESSON: - قصة الخبز - صيغ المبالغة</b>	<ul style="list-style-type: none"> <li>فتات - مبالغة</li> <li>الجوع- الفقر</li> <li>فعال - رسام</li> <li>مفعال- مقدم</li> </ul>	<ul style="list-style-type: none"> <li>أن يكتب المتعلم نبذة عن مؤلف القصة</li> <li>أن يتعرف المفردات الجديدة</li> <li>أن يستنتج الفكرة الرئيسة والأفكار الفرعية للقصة</li> <li>أن يلخص القصة بأسلوبه</li> </ul>	<ul style="list-style-type: none"> <li>عرض تقديمي</li> <li>أنشطة الكتاب المدرسي</li> <li>أوراق عمل مختلفة</li> </ul>
<b>ARABIC LANGUAGE_ GENERAL HG</b> <b>UNIT: 1</b> <b>LESSON: قديوتي</b>	<ul style="list-style-type: none"> <li>القذوة</li> <li>الشباب العربي</li> <li>حاكم</li> <li>المشرفين</li> </ul>	<ul style="list-style-type: none"> <li>أن يتعرف الطالب المفردات الجديدة</li> <li>أن يذكر الطالب صفات الشيخ راشد من النص</li> <li>أن يرسم الطالب مخططا ذهنيا للمعلومات الواردة</li> <li>أن يجيب الطالب عن الأسئلة</li> </ul>	<ul style="list-style-type: none"> <li>بوربوينت</li> <li>أوراق عمل</li> <li>أنشطة صفية</li> <li>أسئلة الكتاب المدرسي</li> </ul>
<b>ISLAMIC STUDIES_ ARABS</b> <b>UNIT:1</b> <b>LESSON: درس المكي والمدني</b>	<ul style="list-style-type: none"> <li>القرآن المكي</li> <li>القرآن المدني</li> <li>أسباب النزول</li> <li>منجما</li> </ul>	<ul style="list-style-type: none"> <li>يبين أسباب نزول القرآن منجما</li> <li>يوضح أهمية معرفة المكي والمدني</li> <li>يذكر متى بدأ اهتمام العلماء بالمكي والمدني</li> </ul>	<ul style="list-style-type: none"> <li>مراجعة البوربوينت للدرس</li> <li>أنشطة صفية</li> <li>حل أنشطة الطالب للدرس</li> </ul>
<b>ISLAMIC STUDIES – ENGLISH</b> <b>UNIT: one</b> <b>LESSON: Makki and Madani Quran</b>	<ul style="list-style-type: none"> <li>Acquisition (Read, 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 embedded</li> <li>Live Teaching</li> <li>Task sheets for practice discussion</li> </ul>	<ul style="list-style-type: none"> <li>Explain the meaning of makki and madani surah</li> <li>Explain importance of the makki and madani surah</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> </ul>

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<p><b>ENGLISH LANGUAGE</b> <b>UNIT: 5</b> <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> <b>UNIT: Trigonometry</b> <b>LESSON: Bearings, three dimensions problems</b></p>	<ul style="list-style-type: none"> <li>• Interpret three figures' bearings</li> <li>• Solving three-dimension problems</li> </ul>	<ul style="list-style-type: none"> <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> <li>• To solve simple trigonometrical problems in three dimensions including the angle between a line and a plane, using trigonometrical ratios, Pythagoras' theorem</li> </ul>	<ul style="list-style-type: none"> <li>• Past paper</li> <li>• Class Test</li> <li>• Five daily questions</li> </ul>
<p><b>PHYSICS</b> <b>UNIT: Electricity and Magnetism</b> <b>LESSON: Current</b></p>	<ul style="list-style-type: none"> <li>• EMF and Voltage</li> <li>• Ohm's Law</li> <li>• Resistance of a wire</li> </ul>	<ul style="list-style-type: none"> <li>• Differentiate between EMF and Voltage</li> <li>• Explain Ohm's Law with help of graphs.</li> <li>• Explain Factors affecting the resistance of a wire</li> </ul>	<ul style="list-style-type: none"> <li>• Self-Assessment</li> <li>• Peer Assessment</li> <li>• Quiz</li> <li>• Mind Map</li> </ul>

<p><b>CHEMISTRY</b> <b>UNIT:</b> <b>Electrochemistry</b> <b>LESSON: Electrolysis</b></p>	<ul style="list-style-type: none"> <li>• Electrolysis of</li> <li>• Molten ionic compounds</li> <li>• Concentrated aqueous solution of ionic compounds</li> <li>• Dilute aqueous solution of ionic compounds</li> </ul>	<ul style="list-style-type: none"> <li>• Identify the products formed at the electrodes and describe the observations made during the electrolysis of: (a) molten lead(II) bromide (b) concentrated aqueous sodium chloride (c) dilute sulfuric acid using inert electrodes made of platinum or carbon/graphite</li> <li>• State that metals or hydrogen are formed at the cathode and that non-metals (other than hydrogen) are formed at the anode</li> <li>• Predict the identity of the products at each electrode for the electrolysis of a binary compound in the molten state</li> </ul>	<ul style="list-style-type: none"> <li>• Group discussion</li> <li>• Worksheet</li> <li>• Past Paper Questions</li> <li>• Quiz</li> <li>• Think Pair and share</li> <li>• Flickers</li> <li>• PPT</li> <li>• Video</li> </ul>
<p><b>BIOLOGY</b> <b>UNIT: Excretion</b> <b>LESSON: 13 Excretion in humans</b></p>	<ul style="list-style-type: none"> <li>• Excretion of carbon dioxide</li> <li>• Excretion of urea</li> <li>• Kidney structure</li> </ul>	<ul style="list-style-type: none"> <li>• Identify in diagrams and images the structure of the kidney, limited to the cortex and medulla</li> <li>• Outline the structure and function of a nephron and its associated blood vessels, limited to:             <ul style="list-style-type: none"> <li>• (a) the role of the</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Quiz</li> <li>• Test</li> <li>• Past paper questions</li> <li>• Mind mapping</li> </ul>

		<p>glomerulus in the filtration from the blood of water, glucose, urea and ions</p> <ul style="list-style-type: none"> <li>• (b) the role of the nephron in the reabsorption of all of the glucose, some of the ions and most of the water back into the blood</li> <li>• (c) the formation of urine containing urea, excess water and excess ions</li> <li>• State that carbon dioxide is excreted through the lungs</li> <li>• State that the kidneys excrete urea and excess water and ions</li> <li>• Identify in diagrams and images the kidneys, ureters, bladder and urethra</li> </ul>	
<p><b>INFORMATION &amp; COMMUNICATION TECHNOLOGY (ICT)</b>  <b>UNIT: 7</b>  <b>LESSON: Software life cycle</b></p>	<ul style="list-style-type: none"> <li>• Development and Testing</li> <li>• Database</li> </ul>	<p>Theory:</p> <ul style="list-style-type: none"> <li>• Summarize the development and Testing</li> <li>• Differentiate the advantages and disadvantages with other stages</li> </ul> <p>Practical:</p> <ul style="list-style-type: none"> <li>• Design report using query with past papers march 2018</li> </ul>	<ul style="list-style-type: none"> <li>• PPTs</li> <li>• Videos</li> <li>• Teams</li> <li>• Access</li> <li>• Class test</li> </ul>
<p><b>ECONOMICS</b>  <b>UNIT:</b>  <b>LESSON:</b></p>	<ul style="list-style-type: none"> <li>• GOVERNMENT AIMS</li> </ul>	<ul style="list-style-type: none"> <li>• UNDERSTANDING THE AIMS OF THE GOVERNMENT IN THE ECONOMY</li> </ul>	<ul style="list-style-type: none"> <li>• formats</li> <li>• Structured questions</li> <li>• Assessment and feedback</li> </ul>



<p><b>ACCOUNTING</b>  <b>UNIT: Financial statements</b>  <b>LESSON: Accounts of Clubs and Societies</b></p>	<ul style="list-style-type: none"> <li>Income and Expenditure account</li> </ul>	<ul style="list-style-type: none"> <li>To formulate income and expenditure account to calculate surplus/deficit</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>  <b>UNIT: 3</b>  <b>LESSON: Market Research</b></p>	<ul style="list-style-type: none"> <li>Presentation of market research data</li> </ul>	<ul style="list-style-type: none"> <li>To Present the market research data through various statistical tools</li> </ul>	<ul style="list-style-type: none"> <li>Data Response questions</li> <li>Case study</li> </ul>