

## LEARNING TRAILS

### AJB SECONDARY

Grade: 11  
Date: Week 6 – 6th to 10th February 2023

SUBJECTS	LESSONS AND CONCEPTS	LEARNING OBJECTIVES	ASSIGNMENTS AND ASSESMENTS
<p><b>ARABIC LANGUAGE</b> <b>_ ARABS</b></p> <p><b>UNIT: 2</b></p> <p><b>LESSON: : قصيدة : الطين</b></p>	<ul style="list-style-type: none"> <li>• صال</li> <li>• فرقد</li> <li>• عسجد</li> <li>• جلمد</li> <li>• الموشاة</li> </ul>	<ul style="list-style-type: none"> <li>• يبين المعنى الإجمالي للنصوص الشعرية موضحة علاقة الفكر بعضها ببعض مفسرا مفرداتها من خلال السياق والقرائن</li> <li>• يحلل النصوص في سياقها التاريخي والاجتماعي مستخلصا السمات الفنية لها</li> <li>• يفسر كلمات النص مستنتجا الدلالات الإيحائية</li> </ul>	<ul style="list-style-type: none"> <li>• بوربوينت</li> <li>• الكتاب المدرسي</li> <li>• أنشطة تعليمية</li> <li>• الواجب : منصة ألف حل أسئلة أفعال الشروع والرجاء والمقاربة</li> </ul>
<p><b>ARABIC LANGUAGE</b> <b>_ GENERAL HG</b></p> <p><b>UNIT: 2</b></p> <p><b>LESSON: مواصلة درس برج خليفة</b></p>	<ul style="list-style-type: none"> <li>• الانشاءات</li> <li>• الاقتصاد البديل</li> <li>• السكن الفندقي</li> </ul>	<ul style="list-style-type: none"> <li>• يبحث ويستكشف من الشبكة العنكبوتية</li> <li>• يتحدث بطلاقة عن موضوع الدرس</li> <li>• يستمع ويفهم المعنى ويجيب عن الأسئلة</li> </ul>	<ul style="list-style-type: none"> <li>• العروض التقديمية</li> <li>• الأنشطة</li> <li>• أوراق العمل</li> <li>• الكتاب المدرسي</li> <li>• <a href="https://www.liveworksheets.com/fi1312864ys">https://www.liveworksheets.com/fi1312864ys</a></li> <li>•</li> </ul>
<p><b>ISLAMIC STUDIES</b> <b>_ ARABS</b></p> <p><b>UNIT: 4</b></p> <p><b>LESSON: سورة الأحزاب: وصايا وتوجيهات أخلاقية</b></p>	<ul style="list-style-type: none"> <li>• أحكام التلاوة</li> <li>• أمتعن</li> <li>• اسرحن</li> </ul>	<ul style="list-style-type: none"> <li>• أن يستمع للآيات الكريمة مراعيًا أحكام التجويد</li> <li>• أن يفسر مفردات الآيات الكريمة</li> <li>• أن يستنتج التوجيهات والمبادئ الأخلاقية</li> </ul>	<ul style="list-style-type: none"> <li>• مراجعة البوربوينت</li> <li>• أوراق العمل</li> <li>• الإجابة على أنشطة الطالب</li> <li>• أنشطة صفية</li> </ul>



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<p><b>ISLAMIC STUDIES – ENGLISH</b></p> <p><b>UNIT: 4</b></p> <p><b>LESSON: Surah Al Ahzab</b></p>	<ul style="list-style-type: none"> <li>• Explain the meaning of the Quranic verses</li> <li>• Explain the battle of trench</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 embedded</li> <li>• ✓ Live Teaching</li> <li>• ✓ Task sheets for practice</li> <li>• ✓ Discussion tool</li> <li>•</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><b>MATHEMATICS</b></p> <p><b>UNIT: P1 unit 10 and S1 unit 7</b></p> <p><b>LESSON: Integration and Binomial Distributions</b></p>	<ul style="list-style-type: none"> <li>• Volumes of revolution</li> <li>• The Binomial Distributions</li> </ul>	<p>Students shall be able to:</p> <ul style="list-style-type: none"> <li>• use definite integration to find the area of a region bounded by a curve and lines parallel to the axes, or between a curve and a line or between two curves</li> <li>• use definite integration to find a volume of revolution about one of the axes</li> <li>• use formulae for probabilities for the binomial and geometric distributions, and</li> </ul>	<ul style="list-style-type: none"> <li>• Textbook Exercises</li> <li>• Past Paper questions</li> <li>• Weekly Test</li> </ul>

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		recognise practical situations where these distributions are suitable models	
<p><b>PHYSICS</b></p> <p><b>UNIT: Electricity</b></p> <p><b>LESSON: voltage divider, internal resistance of a cell</b></p>	<ul style="list-style-type: none"> <li>• Thermistor</li> <li>• LDR</li> <li>• TPD and internal resistance</li> <li>• Voltage divider and potentiometer</li> </ul>	<ul style="list-style-type: none"> <li>• Thermistor and LDR the heat sensor and light sensor</li> <li>• To find tpd and internal resistance</li> <li>• Concept of voltage divider and relate it with LDR and thermistor</li> </ul>	<ul style="list-style-type: none"> <li>• Reciprocal teaching</li> <li>• Solving topical qns</li> <li>•</li> </ul>
<p><b>CHEMISTRY</b></p> <p><b>UNIT: 13</b></p> <p><b>LESSON:</b></p>	<ul style="list-style-type: none"> <li>• Geometrical Isomers</li> <li>• Optical Isomers</li> </ul>	<ul style="list-style-type: none"> <li>• Name the four isomers for a given hydrocarbon with a pi bond.</li> <li>• Draw the displayed formulae and name the functional group isomers</li> <li>• Draw the displayed formulae and name the cis-trans isomers</li> <li>• . Draw the 3D displayed formulae of optical isomers.</li> </ul>	<ul style="list-style-type: none"> <li>• Textual Questions</li> <li>• Topical Questions</li> <li>• Past Paper Questions.</li> </ul>

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<p><b>BIOLOGY</b></p> <p><b>UNIT: 7&amp;8</b></p> <p><b>LESSON: Transport in Plants &amp; Mammals</b></p>	<p>7.2 Transport mechanisms</p> <p>8.1 The circulatory system</p>	<ul style="list-style-type: none"> <li>• explain that transpiration involves the evaporation of water from the internal surfaces of leaves followed by diffusion of water vapour to the atmosphere</li> <li>• describe the functions of the main blood vessels of the pulmonary and systemic circulations, limited to pulmonary artery, pulmonary vein, aorta and vena cava</li> </ul>	<ul style="list-style-type: none"> <li>• Online Quiz</li> <li>• Class Test</li> <li>• Solve Past Papers</li> <li>• Solve end of the topic questions</li> </ul>
<p><b>INFORMATION TECHNOLOGY (IT)</b></p> <p><b>UNIT: 5</b></p> <p><b>LESSON: eSecurity</b></p>	<ul style="list-style-type: none"> <li>• Keeping personal data secure.</li> <li>• Preventing misuse of personal data.</li> <li>• Malware</li> </ul>	<ul style="list-style-type: none"> <li>• Discuss how personal data can be gathered by unauthorised persons and how this might be prevented including: smishing, vishing, phishing and pharming.</li> <li>• Candidates will be expected to evaluate the methods of prevention.</li> <li>• Describe types of malware</li> </ul>	<ul style="list-style-type: none"> <li>• Structured questions</li> <li>• Past paper questions.</li> <li>• Assignment</li> </ul>



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		including: Trojan Horse, worms, spyware, adware, rootkit, malicious bots, ransomware and others	
<p><b>ECONOMICS</b></p> <p><b>UNIT:</b></p> <p><b>LESSON:</b></p>	<ul style="list-style-type: none"> <li>Reasons for international trade</li> </ul>	<ul style="list-style-type: none"> <li>Analyzing the importance of free trade and protectionism</li> </ul>	<ul style="list-style-type: none"> <li>Progressive test</li> <li>Solving case studies</li> <li>Mcq questions</li> </ul>
<p><b>ACCOUNTING</b></p> <p><b>UNIT: Cost Accounting</b></p> <p><b>LESSON: Marginal costing</b></p>	<ul style="list-style-type: none"> <li>Applications of marginal costing</li> </ul>	<ul style="list-style-type: none"> <li>Analyse the usefulness of marginal costing data as a support for management decision-making, including make-or-buy, special orders and closure of business unit.</li> </ul>	<ul style="list-style-type: none"> <li>Formulas and Formats</li> <li>Topical questions</li> <li>Assessment and feedback</li> </ul>
<p><b>BUSINESS STUDIES</b></p> <p><b>UNIT: 4</b></p> <p><b>LESSON:30</b></p>	<ul style="list-style-type: none"> <li>Forecasting and managing</li> <li>cash flows</li> </ul>	<ul style="list-style-type: none"> <li>To analyse the importance of cash to business</li> <li>To explain the difference between cash flow and profit</li> <li>To analyse the purpose of cash flow forecasts</li> <li>To interpret and amend simple cash flow forecasts</li> </ul>	<ul style="list-style-type: none"> <li>Progressive tests</li> <li>Construction of Cashflow statements</li> </ul>