

## LEARNING TRAILS

### AJB SECONDARY

Grade: 9

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

SUBJECTS	LESSONS AND CONCEPTS	LEARNING OBJECTIVES	ASSIGNMENTS AND ASSESSMENT
<p><b>ARABIC LANGUAGE</b> <b>_ ARABS</b></p> <p><b>UNIT: 1</b></p> <p><b>LESSON: مفتش</b> <b>( المدارس ) قصة قصيرة</b></p>	<ul style="list-style-type: none"> <li>النائية</li> <li>سمقت</li> <li>جلجت</li> </ul>	<ul style="list-style-type: none"> <li>أن يحدد عناصر القصة</li> <li>أن يذكر الهدف والرسالة من القصة</li> <li>أن يضع مقترحا لحل مشكلة القصة</li> <li>أن يجيب عن الأسئلة</li> </ul>	<ul style="list-style-type: none"> <li>بوربوينت</li> <li>أنشطة تعليمية</li> <li>الواجب المنزلي (حل درس اسم الفاعل ومفتش المدارس بمنصة ( ألف )</li> <li>حل تقويم من على منصة كويزز</li> </ul> <p><a href="https://quizizz.com/admin/quiz/636cd5b110dd88001d65480b?source=quiz_share">https://quizizz.com/admin/quiz/636cd5b110dd88001d65480b?source=quiz_share</a></p>
<p><b>ARABIC LANGUAGE</b> <b>_ GENERAL</b></p> <p><b>UNIT: الوحدة الثانية</b></p> <p><b>LESSON: درس يومياتي</b></p>	<ul style="list-style-type: none"> <li>استيقظت - الصباح</li> <li>اكتشفت - الأمطار</li> <li>القلق - مبللة</li> </ul>	<ul style="list-style-type: none"> <li>أن يقرأ المتعلم الدرس قراءة جهرية صحيحة</li> <li>أن يتعرف المفردات الجديدة</li> <li>أن يحلل الدرس تحليلاً صحيحاً</li> <li>أن يحدد الفكرة الرئيسة للدرس</li> </ul>	<ul style="list-style-type: none"> <li>مناقشة العرض التقديمي</li> <li>فيديو عن الأم</li> <li>أنشطة مختلفة</li> <li>الواجب: يكتب فقرة عن أهمية وجود الأم في حياة الناس</li> <li><a href="https://www.liveworksheets.com/ra2596349rz">https://www.liveworksheets.com/ra2596349rz</a></li> </ul>
<p><b>ISLAMIC STUDIES</b> <b>_ ARABS</b></p> <p><b>UNIT: 2</b></p> <p><b>LESSON: درس الدين</b> <b>النصيحة</b></p>	<ul style="list-style-type: none"> <li>الدين</li> <li>النصيحة</li> <li>أئمة المسلمين</li> <li>عامتهم</li> <li>آداب النصيحة</li> </ul>	<ul style="list-style-type: none"> <li>أسمع الحديث الشريف</li> <li>أبين أهمية النصيحة</li> <li>أستنتج مجالات النصيحة</li> <li>أعد شروط النصيحة</li> </ul>	<ul style="list-style-type: none"> <li>مراجعة البوربوينت للدرس</li> <li>أنشطة صفية</li> <li>أوراق عمل</li> <li>حل أنشطة الطالب للدرس</li> </ul>



<p><b>ISLAMIC STUDIES – ENGLISH</b></p> <p><b>UNIT: The Permissible is clear</b></p> <p><b>LESSON:</b></p>	<ul style="list-style-type: none"> <li>• Explain the meaning of Halal and Haram</li> <li>• Explain the benefits of Halal earning</li> </ul>	<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</li> <li>• subject integration/</li> <li>• MEP integration</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>ENGLISH LANGUAGE</b></p> <p><b>UNIT:</b> Note Taking, Reading Comprehension, Postcard, Project</p> <p><b>LESSON:</b> Reading passage on The World Wildlife Fund and Mc Donald’s in Italy, Postcard about a place in the UAE and feedback session on the project.</p>	<ul style="list-style-type: none"> <li>• Identify and retrieve specific details from a reading passage about The World Wildlife Fund using the strategies of skimming and scanning</li> <li>• Prepare a speech about the WWF using notes extracted from a reading passage.</li> <li>• Identify relevant information and select correct details about Mc Donald’s from a reading passage.</li> <li>• Understand how to use the strategies of skimming and scanning to extract details from a reading passage.</li> <li>• Prepare a speech about</li> </ul>	<ul style="list-style-type: none"> <li>• Acquisition (Read, Watch, Learn)</li> <li>• Learning from enquiry</li> <li>• Learning from Practice</li> <li>• Learning from discussion</li> <li>• Learning from collaboration</li> <li>• Learning from real life connection/ subject integration</li> </ul>	<ul style="list-style-type: none"> <li>• Power Point</li> <li>• Power point audio embedded</li> <li>• Power point video embedded</li> <li>• Live Teaching</li> <li>• Session recorded and shared with learners</li> <li>• Task sheets for practice</li> <li>• Discussion tool</li> <li>• Assignment and grading</li> </ul>

	<p>Mc Donald's and its branches in Italy using the questions and answers of the reading comprehension exercise.</p> <ul style="list-style-type: none"> <li>Identify the different parts of a postcard.</li> <li>Understand how to use simple and continuous present tense when making a postcard.</li> <li>Make a postcard of a tourist attraction of an emirate of the UAE.</li> </ul>		
<p><b>MATHEMATICS</b></p> <p><b>UNIT: 5.1 - 5.2</b></p> <p><b>LESSON: Algebra 2</b></p>	<ul style="list-style-type: none"> <li>Algebraic fractions</li> <li>Changing the subject of a formula</li> </ul>	<ul style="list-style-type: none"> <li>To simplify algebraic fractions</li> <li>To simplify algebraic fractions factorizing numerator.</li> <li>To add and subtract algebraic fractions</li> <li>To change the subject of a formula</li> </ul>	<ul style="list-style-type: none"> <li>PPT</li> <li>Worksheets</li> <li>Textbook exercises</li> <li>Online quiz</li> <li>Daily Question in Team – MS Forms</li> <li>Weekly progressive Test Every Thursday</li> </ul>
<p><b>PHYSICS</b></p> <p><b>UNIT: GENERAL PHYSICS</b></p> <p><b>LESSON: MOMENTUM</b></p>	<ul style="list-style-type: none"> <li>Learners identifies variables that affect momentum. They may identify mass and velocity (or speed).</li> <li>Define</li> </ul>	<ul style="list-style-type: none"> <li>Describe the term 'resistance' and recognize the units; collect reliable data from circuits. [O1]</li> <li>Describe the relationship between voltage, current and resistance; present results using</li> </ul>	<ul style="list-style-type: none"> <li>VIDEOS</li> <li>PPT</li> <li>ASSIGNMENTS</li> <li>ACTIVITY</li> </ul>



	<p>momentum and introduce the equation.</p> <ul style="list-style-type: none"> <li>Set learners simple questions for solving</li> </ul>	<p>appropriate graphs. [O2]</p> <ul style="list-style-type: none"> <li>Derive a mathematical relationship between voltage and current, and make predictions from it. [O3]</li> </ul>	
<p><b>CHEMISTRY</b></p> <p><b>UNIT: Atomic Structure</b></p> <p><b>LESSON: Isotopes and Ionic compounds</b></p>	<ul style="list-style-type: none"> <li>Isotopes, same element with different number of neutrons</li> <li>Calculation of relative masses of isotopes</li> <li>Strong electrostatic force of attraction between oppositely charged ions</li> <li>Dot and cross method to make ionic bonds</li> </ul>	<ul style="list-style-type: none"> <li>Define Isotopes</li> <li>Interpret and use symbols for atoms and ions</li> <li>Calculate the relative atomic mass of an element from the relative abundance of an isotopes</li> <li>Describe ions and formation of ionic compounds</li> <li>Describe the properties of ionic compounds</li> </ul>	<ul style="list-style-type: none"> <li>Online activity of making bonds</li> <li>PPTs</li> <li>Worksheet</li> <li>Exit slip</li> <li>Video</li> <li>Workbook questions</li> <li>Project work</li> <li>Quiz</li> </ul>
<p><b>BIOLOGY</b></p> <p><b>UNIT: Biological molecules</b></p> <p><b>LESSON: Food test Structure of DNA</b></p>	<ul style="list-style-type: none"> <li>large molecules are made from smaller molecules</li> <li>Food test</li> <li>Structure of DNA</li> </ul>	<p>State that large molecules are made from smaller molecules, limited to:</p> <ul style="list-style-type: none"> <li>(a) starch, glycogen and cellulose from glucose</li> <li>(b) proteins from amino acids</li> <li>(c) fats and oils from fatty acids and glycerol</li> </ul> <p>Describe the use of:</p> <ul style="list-style-type: none"> <li>(a) iodine solution test for starch</li> <li>(b) Benedict's solution test for reducing sugars</li> <li>(c) biuret test for proteins</li> <li>(d) ethanol emulsion test for fats and oils</li> </ul>	<ul style="list-style-type: none"> <li>Task sheet</li> <li>PPT</li> <li>Revision sheet</li> <li>Worksheet</li> <li>Class test</li> <li>Past paper.</li> </ul>

		<ul style="list-style-type: none"> <li>(e) DCPIP test for vitamin C Supplement</li> </ul> <p>Describe the structure of a DNA molecule:</p> <ul style="list-style-type: none"> <li>(a) two strands coiled together to form a double helix</li> <li>(b) each strand contains chemicals called bases</li> <li>(c) bonds between pairs of bases hold the strands together</li> <li>(d) the bases always pair up in the same way: A with T, and C with G (full names are not required)</li> </ul>	
<p><b>INFORMATION &amp; COMMUNICATION TECHNOLOGY (ICT)</b></p> <p><b>UNIT: 3</b></p> <p><b>LESSON: Storage devices</b></p>	<ul style="list-style-type: none"> <li>Storage devices</li> </ul>	<ul style="list-style-type: none"> <li>Describe magnetic storage media, optical storage media</li> <li>Evaluate the advantages and disadvantages of storage media</li> </ul>	<ul style="list-style-type: none"> <li>Ppts</li> <li>Class assessment for direct input devices</li> <li>Past paper questions</li> <li>Practical test will be conducted during the lab hours</li> </ul>
<p><b>UAE STUDIES_ ARABIC</b></p> <p>:UNIT :LESSON</p> <p>نصوص للقراءة والتحليل</p>	<ul style="list-style-type: none"> <li>أنشطة صفية و التدرب على تحليل النصوص</li> <li>كتاب السنع</li> </ul>	<ul style="list-style-type: none"> <li>يكون قادر على قراءة و فهم نصوص و تحليلها و الاجابة عن الاسئلة</li> </ul>	<ul style="list-style-type: none"> <li>مراجعة البوربوينت</li> <li>انشطة صفية</li> <li>النقاش و الحوار</li> </ul>
<p><b>UAE STUDIES – ENGLISH</b></p> <p><b>UNIT: 3</b></p>	<ul style="list-style-type: none"> <li>Identify the key elements Al falaj System</li> <li>The impacts of Al Falaj System in the society</li> </ul>	<ul style="list-style-type: none"> <li>The functioning of the Falaj System</li> <li>The importance of Irrigation and the numerous ways in the early settlers survived in the country</li> </ul>	<ul style="list-style-type: none"> <li>PPTS</li> <li>Videos</li> <li>Discussions</li> </ul>

<p><b>LESSON: Al Falaj system</b></p>			
<p><b>ECONOMICS</b>  <b>UNIT:</b>  <b>LESSON:</b></p>	<ul style="list-style-type: none"> <li>• Price elasticity of demand</li> <li>• Price elasticity of supply</li> </ul>	<ul style="list-style-type: none"> <li>• DESCRIBE AND EXPLAIN THE DETERMINANTS OF PED AND PES</li> <li>• CALCULATION OF THE PES</li> </ul>	<ul style="list-style-type: none"> <li>• Assessment and feedback</li> <li>• Structured questions</li> <li>• Progressive tests</li> </ul>
<p><b>ACCOUNTING</b>  <b>UNIT: Books of prime entry</b>  <b>LESSON: Journals</b></p>	<ul style="list-style-type: none"> <li>• Comprehensive questions</li> </ul>	<ul style="list-style-type: none"> <li>• To formulate various journals and the corresponding ledgers.</li> </ul>	<ul style="list-style-type: none"> <li>• Formats</li> <li>• Structured topical questions</li> <li>• Assessment and feedback</li> <li>• Revision sheets</li> </ul>
<p><b>BUSINESS STUDIES</b>  <b>UNIT: 1</b>  <b>LESSON:4</b></p>	<ul style="list-style-type: none"> <li>• Forms of business organization</li> </ul>	<ul style="list-style-type: none"> <li>• To distinguish between incorporated and unincorporated Business organization</li> </ul>	<ul style="list-style-type: none"> <li>• Progressive Test</li> <li>• Solving past papers</li> </ul>
<p><b>URDU</b>  <b>UNIT:</b>  <b>LESSON:</b></p>	<ul style="list-style-type: none"> <li>• Dialogue</li> <li>• Revision -1</li> <li>• Phrases and Idioms</li> </ul>	<ul style="list-style-type: none"> <li>• To enhance the understanding of the rules of dialogue writing for the given topics</li> <li>• To make meaningful sentence with given Idioms and phrases</li> </ul>	<ul style="list-style-type: none"> <li>• Text book</li> <li>• Past papers</li> <li>• Oral quiz</li> <li>• Revision test</li> </ul>
<p><b>PAKISTAN STUDIES</b>  <b>UNIT:</b>  <b>LESSON:</b></p>	<ul style="list-style-type: none"> <li>• Pakistan's Relations with India</li> <li>• Pakistan's Relations with Bangladesh</li> </ul>	<ul style="list-style-type: none"> <li>• To investigate the relations and issue between Pakistan's and India after 1971, and the Kargil conflict</li> <li>• To Understand the relations between Pakistan, Iran &amp; the impacts of Islamic revolution</li> </ul>	<ul style="list-style-type: none"> <li>• Progressive Test</li> <li>• PPT's</li> <li>• Notebook</li> <li>• Maps</li> <li>• Class Quiz</li> <li>• Past Papers</li> </ul>



ENGLISH GARDEN  
NURSERY



<p><b>ENVIRONMENTAL MANAGEMENT</b></p> <p><b>UNIT:</b> Water and its management</p> <p><b>LESSON:</b> Multipurpose dam projects</p>	<ul style="list-style-type: none"> <li>describe and evaluate multipurpose dam projects</li> </ul>	<ul style="list-style-type: none"> <li>choice of site</li> <li>environmental, economic and social impacts</li> <li>sustainability</li> </ul>	<ul style="list-style-type: none"> <li>Assessment and feedback</li> <li>Progressive tests</li> </ul>
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