

## LEARNING TRAILS

### AJB SECONDARY

Grade: 10

Date: Week 10 – 31st October to 4th November 2022

SUBJECTS	LESSONS AND CONCEPTS	LEARNING OBJECTIVES	ASSIGNMENTS AND ASSESSMENT
<p><b>ARABIC LANGUAGE _ ARABS</b></p> <p>UNIT: الفصل الدراسي الأول</p> <p>LESSON: نص معلوماتي - الصفة المشبهة</p>	<ul style="list-style-type: none"> <li>• ترققت - تئن</li> <li>• نفاذ - نفاذ</li> <li>• فعلان - عطشان</li> </ul>	<ul style="list-style-type: none"> <li>• أن يتعرف المفردات الجديدة الواردة في النص</li> <li>• أن يحلل النص إلى أفكار عامة وفرعية</li> <li>• أن يقيم أسلوب الكاتب والأدلة</li> <li>• أن يتعرف على صيغ الصفة المشبهة</li> </ul>	<ul style="list-style-type: none"> <li>• مناقشة العرض التقديمي</li> <li>• أنشطة صفية مختلفة</li> <li>• الواجب: كتابة نص معلوماتي عن ( التسوق عبر الانترنت )</li> </ul>
<p><b>ARABIC LANGUAGE _ GENERAL</b></p> <p>UNIT: 1</p> <p>LESSON: الشغف بالعمل</p>	<ul style="list-style-type: none"> <li>• التخطيط</li> <li>• استثمار</li> <li>• الموارد</li> <li>• إمكانيات</li> <li>• المخاطر</li> </ul>	<ul style="list-style-type: none"> <li>• أن يتعرف المفردات الجديدة</li> <li>• أن يقارن بين الشخص الذي يخطط والشخص الذي لا يخطط</li> <li>• أن يذكر عناصر التخطيط</li> <li>• أن يجيب عن الأسئلة</li> </ul>	<ul style="list-style-type: none"> <li>• بوربوينت</li> <li>• أنشطة تعليمية صفية</li> <li>• الكتاب المدرسي</li> <li>• H.W ( أكتب فقرة عن أهمية التخطيط لتحقيق النجاح ( والسعادة في الحياة )</li> </ul>
<p><b>ISLAMIC STUDIES _ ARABS</b></p> <p>UNIT: 2</p> <p>LESSON: درس جمع القرآن</p>	<ul style="list-style-type: none"> <li>• الجمع</li> <li>• النزول</li> <li>• سعاف النخل</li> <li>• الرقاع</li> <li>• حفظ السطور</li> </ul>	<ul style="list-style-type: none"> <li>• يتعرف الطالب على كيفية جمع القرآن</li> <li>• يدل على عناية النبي والصحابة بالقرآن الكريم</li> <li>• يشرح كيف تم جمع القرآن</li> </ul>	<ul style="list-style-type: none"> <li>• مراجعة البور بوينت للدرس</li> <li>• أنشطة صفية</li> <li>• أنشطة إلكترونية</li> <li>• حل أنشطة الطالب للدرس</li> </ul>
<p><b>ISLAMIC STUDIES – ENGLISH</b></p> <p>UNIT: two</p> <p>LESSON: Collection of Quran</p>	<ul style="list-style-type: none"> <li>• How the Quran was compiled</li> <li>• Stages of collection of Quran</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/ subject integration/</li> <li>• MEP integration</li> <li>• Power point video embedded</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: 1, 3, 4</b></p> <p><b>LESSON: Reading Comprehension; note taking and Summary writing [2 part]</b></p>	<ul style="list-style-type: none"> <li>To locate the points from the passage given.</li> <li>To write them not exceeding word or line limit.</li> <li>To check grammar and spelling and make use of certain punctuations.</li> <li>To locate the points in a paragraph</li> <li>To use appropriate transitional devices</li> <li>To write in your own words</li> <li>Avoid examples. adjectives and unwanted details</li> <li>To write these points in a chronological order</li> </ul>	<ul style="list-style-type: none"> <li>R1 identify and select relevant information</li> <li>R2 understand ideas, opinions and attitudes</li> <li>R3 show understanding of the connections between ideas, opinions and attitudes</li> <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>Test papers</li> <li>Past paper booklet</li> </ul>
<p><b>MATHEMATICS</b></p> <p><b>UNIT: 3</b></p> <p><b>LESSON: Mensuration</b></p>	<ul style="list-style-type: none"> <li>Volume of pyramid, cone and sphere</li> <li>Surface area of 3D shapes</li> </ul>	<ul style="list-style-type: none"> <li>To Calculate the volume of a pyramid</li> <li>To Calculate the volume of a cone</li> <li>To Calculate the volume of a sphere</li> <li>To Calculate the surface area of a cylinder</li> <li>cone</li> <li>sphere</li> <li>Compound 3-D shapes</li> </ul>	<ul style="list-style-type: none"> <li>Exercise questions</li> <li>Daily practice questions</li> <li>Past papers</li> <li>Class test</li> <li>Peer assessment</li> </ul>
<p><b>PHYSICS</b></p> <p><b>UNIT: 20</b></p> <p><b>LESSON: Electro Magnetism</b></p>	<ul style="list-style-type: none"> <li>Magnetic field around a current carrying conductor</li> <li>Magnetic field around a solenoid</li> </ul>	<ul style="list-style-type: none"> <li>Describe the pattern and direction of the magnetic field due to currents in straight wires and in solenoids</li> <li>Describe an experiment to identify the pattern of the magnetic field (including direction) due to currents in</li> </ul>	<ul style="list-style-type: none"> <li>Past paper questions</li> <li>Quiz</li> <li>Peer assessment</li> <li>Mind Map</li> <li>Self-assessment</li> </ul>



		<p>straight wires and in solenoids</p> <ul style="list-style-type: none"> <li>• State the qualitative variation of the strength of the magnetic field around straight wires and solenoids</li> <li>• Describe the effect on the magnetic field around straight wires and solenoids of changing the magnitude and direction of the current</li> </ul>	
<p><b>CHEMISTRY</b></p> <p><b>UNIT: Chemical reactions</b></p> <p><b>LESSON: Reversible reactions and equilibrium</b></p>	<ul style="list-style-type: none"> <li>• Reversible reactions</li> <li>• Hydrated and anhydrous salts</li> <li>• Cobalt (II) Chloride</li> <li>• Copper (II) sulfate</li> <li>• Equilibrium</li> </ul>	<ul style="list-style-type: none"> <li>• State that a reversible reaction in a closed system is at equilibrium when: (a) the rate of the forward reaction is equal to the rate of the reverse reaction (b) the concentrations of reactants and products are no longer changing</li> <li>• Predict and explain, for a reversible reaction, how the position of equilibrium is affected by: (a) changing temperature (b) changing pressure (c) changing concentration (d) using a catalyst using information provided</li> <li>• State the symbol equation for the production of ammonia in the Haber process, <math>N_2(g) + 3H_2(g) \rightleftharpoons 2NH_3(g)</math></li> </ul>	<ul style="list-style-type: none"> <li>• Video</li> <li>• Experiment</li> <li>• PPT</li> <li>• Self-Assessment</li> <li>• Past Papers</li> </ul>

		<ul style="list-style-type: none"> <li>State the sources of the hydrogen (methane) and nitrogen (air) in the Haber process</li> <li>State the typical conditions in the Haber process as 450 °C, 20 000 kPa / 200 atm and an iron catalyst</li> </ul>	
<p><b>BIOLOGY</b></p> <p><b>UNIT:</b></p> <p><b>Chapter 14:</b> <b>Coordination and response</b></p> <p><b>Chapter 15: Drugs</b></p> <p><b>LESSON:</b></p> <p><b>14.5 Tropic response</b></p> <p><b>15.1 Drugs</b></p>	<ul style="list-style-type: none"> <li>Describe gravitropism as a response in which parts of a plant grow towards or away from gravity</li> <li>Describe phototropism as a response in which parts of a plant grow towards or away from the direction of the light source</li> </ul>	<ul style="list-style-type: none"> <li>Explain phototropism and gravitropism of a shoot as examples of the chemical control of plant growth</li> <li>Explain the role of auxin in controlling shoot growth, limited to: <ul style="list-style-type: none"> <li>(a) auxin is made in the shoot tip</li> <li>(b) auxin diffuses through the plant from the shoot tip</li> <li>(c) auxin is unequally distributed in response to light and gravity</li> <li>(d) auxin stimulates cell elongation</li> </ul> </li> <li>Describe a drug as any substance taken into the body that modifies or affects chemical reactions in the body</li> <li>Describe the use of antibiotics for the treatment of bacterial infections</li> </ul>	<ul style="list-style-type: none"> <li>Term 1 project follow up</li> <li>Progressive test on Chapter 14</li> <li>Past paper questions</li> </ul>
<p><b>INFORMATION &amp; COMMUNICATION TECHNOLOGY (ICT)</b></p> <p><b>UNIT: 8</b></p>	<ul style="list-style-type: none"> <li>Physical Safety and E-safety</li> <li>Security of Data</li> <li>Viruses and Malwares</li> </ul>	<ul style="list-style-type: none"> <li>Describe physical safety and E-safety causes and preventives</li> <li>Differentiate Malwares with</li> </ul>	<ul style="list-style-type: none"> <li>Past Paper questions</li> <li>SharePoint</li> <li>Assessment</li> </ul>

<p><b>LESSON: Safety and Security of data</b></p>		<p>examples</p> <ul style="list-style-type: none"> <li>• Practical: Introduction to Share point</li> </ul>	
<p><b>ECONOMICS</b></p> <p><b>UNIT:</b></p> <p><b>LESSON:</b></p>	<ul style="list-style-type: none"> <li>• Inflation and deflation</li> </ul>	<ul style="list-style-type: none"> <li>• Describe and explain the causes, types and consequences of inflation</li> </ul>	<ul style="list-style-type: none"> <li>• Structured questions</li> <li>• Data response questions</li> <li>• Progressive tests</li> </ul>
<p><b>ACCOUNTING</b></p> <p><b>UNIT: Incomplete records ,Provision for doubtful debts</b></p> <p><b>LESSON: preparation of financial statements</b></p>	<ul style="list-style-type: none"> <li>• Financial statements</li> <li>• Ledger accounts</li> </ul>	<ul style="list-style-type: none"> <li>• To formulate financial statements from incomplete records</li> <li>• To prepare ledger accounts</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: 4</b></p> <p><b>LESSON: Operations Management</b></p>	<ul style="list-style-type: none"> <li>• Methods of production</li> </ul>	<ul style="list-style-type: none"> <li>• T analyse different methods of production.</li> <li>• To take a decision about a best method of production as per the given business scenario.</li> </ul>	<ul style="list-style-type: none"> <li>• Progressive Test</li> <li>• Solving Data response questions</li> </ul>