

## LEARNING TRAILS

### AJB SECONDARY

Grade: 9

Date: Week 2 – 5<sup>th</sup> September to 9<sup>th</sup> September 2022

SUBJECTS	LESSONS AND CONCEPTS	LEARNING OBJECTIVES	ASSIGNMENTS AND ASSESSMENT
<b>ARABIC LANGUAGE _ ARABS</b>  <b>UNIT: الفصل الدراسي الأول</b>  <b>LESSON حديث ( شريف ) لا تغضب</b>	<ul style="list-style-type: none"> <li>جوامع الكلم</li> <li>الأسلوب الخبري والإنشائي</li> <li>الإيجاز</li> </ul>	<ul style="list-style-type: none"> <li>أن يقرأ الطالب النص قراءة جهرية صحيحة</li> <li>أن يستخرج الطالب التوجيهات النبوية من النص</li> <li>أن يتحدث الطالب عن تأثير الغضب على الفرد والمجتمع</li> <li>أن يجيب الطالب عن الأسئلة</li> </ul>	<ul style="list-style-type: none"> <li>العرض التقديمي</li> <li>أوراق العمل</li> <li>أنشطة تعليمية صفية</li> </ul>
<b>ARABIC LANGUAGE_ GENERAL</b>  <b>UNIT: الوحدة الأولى</b>  <b>LESSON: درس منزل الأحلام</b>	<ul style="list-style-type: none"> <li>منزل - الأحلام</li> <li>شقة صغيرة</li> <li>فيلا كبيرة</li> <li>مسبح - حديقة</li> </ul>	<ul style="list-style-type: none"> <li>أن يتعرف المتعلم على مفردات الدرس</li> <li>أن يوظف المفردات في جمل مفيدة</li> <li>أن يعدد المتعلم مواصفات منزل الأحلام</li> <li>أن يعبر المتعلم عن الصور بجمل مفيدة</li> <li>أن يكتب المتعلم فقرة عن منزل الأحلام</li> </ul>	<ul style="list-style-type: none"> <li>عرض تقديمي</li> <li>أوراق عمل</li> <li>أنشطة الكترونية</li> </ul>
<b>ISLAMIC STUDIES_ ARABS</b>  <b>UNIT:1</b>  <b>LESSON : سورة الحجرات(10_1) درس مع الله ورسوله</b>	<ul style="list-style-type: none"> <li>الحجرات</li> <li>تقدموا</li> <li>ادعواكم</li> <li>تغضون</li> <li>ولي الأمر</li> </ul>	<ul style="list-style-type: none"> <li>قراءة الآيات قراءة صحيحة</li> <li>يوضح المتعلم المعنى الإجمالي للآيات</li> <li>يبين معاني مفردات الكلمات القرآنية</li> <li>يدلل على أهمية طاعة ولي الأمر</li> </ul>	<ul style="list-style-type: none"> <li>مراجعة البوربوينت</li> <li>أوراق عمل</li> <li>أنشطة صفية</li> <li>حل أنشطة الطالب</li> </ul>
<b>ISLAMIC STUDIES – ENGLISH</b>  <b>UNIT: one</b>  <b>LESSON: Ayat ul Kursi</b>	<ul style="list-style-type: none"> <li>Explain the verses while observing the rules of recitation</li> <li>Explain the meaning of the Quranic verses</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> </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>

		<ul style="list-style-type: none"> <li>• Power point video embedded</li> <li>• Live Teaching</li> <li>• Task sheets for practice</li> <li>• Discussion tool</li> </ul>	
<p><b>ENGLISH LANGUAGE</b></p> <p><b>UNIT:</b> LETTER WRITING; READING COMPREHENSION; DESCRIPTIVE WRITING</p> <p><b>LESSON :</b> Holidays, leisure and travel; article about data source; descriptive writing about free time using adjectives and nouns</p>	<ul style="list-style-type: none"> <li>• Communicate information /ideas/opinions clearly, accurately, and effectively.</li> <li>• Organize ideas into coherent paragraphs using a range of appropriate linking devices.</li> <li>• Compose a friendly letter using vocabulary related to holidays and leisure activities.</li> <li>• Identify relevant information and select correct details about data source from the given passage.</li> <li>• Identify the parts of the speech in a sentence</li> </ul>	<ul style="list-style-type: none"> <li>• Acquisition (Read, Watch, Learn)</li> <li>• Learning from enquiry (5E model or Project Based Learning)</li> </ul> <p>Learning from Practice</p> <ul style="list-style-type: none"> <li>• Learning from discussion</li> <li>• Learning from collaboration</li> <li>• Learning from real life connection/ subject integration/ MEP integration practice</li> <li>• 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>• Collaboration tool</li> <li>• Feedback</li> <li>• Assignment and grading</li> </ul>
<p><b>MATHEMATICS</b></p> <p><b>UNIT: 1</b></p> <p><b>LESSON: Number</b></p>	<ul style="list-style-type: none"> <li>• Identifying and using natural numbers, integers, prime numbers, square numbers, common factors, common multiples, rational numbers, irrational numbers,</li> </ul>	<ul style="list-style-type: none"> <li>• To identify and use: natural numbers, integers, common multiples</li> <li>• To identify the factors of a number.</li> <li>• To identify common factors and common multiples.</li> <li>• Identify prime numbers.</li> </ul>	<ul style="list-style-type: none"> <li>• Past papers</li> <li>• Quiz</li> <li>• Class test</li> <li>• Online Quiz</li> <li>• Textbook Exercises</li> <li>• Ms Teams Daily question.</li> <li>• Baseline Test</li> </ul>



	<p>real numbers</p>	<ul style="list-style-type: none"> <li>• To identify square numbers and square roots</li> <li>• To distinguish between rational and irrational numbers</li> <li>• To be able to convert a recurring decimal into a fraction</li> <li>• To find the next terms in a sequence.</li> <li>• To generate sequences, given the <math>n</math>th term</li> </ul>	
<p><b>PHYSICS</b></p> <p><b>UNIT:</b></p> <p><b>GENERAL PHYSICS</b></p> <p><b>LESSON</b></p> <p><b>Physical quantities and measurement</b></p>	<ul style="list-style-type: none"> <li>• Introduce the definitions of scalars and vectors, using quantities learners have come across before for them to identify which are scalars and which are vectors.</li> <li>• More examples of scalars to include: distance, speed, time, mass, energy, temperature and pressure.</li> <li>• More examples of vectors to include: displacement, force, weight, velocity, acceleration, electric field strength and</li> </ul>	<ul style="list-style-type: none"> <li>• Know that the following quantities are scalars: distance, speed, time, mass, energy and temperature</li> <li>• Know that the following quantities are vectors: force, weight, velocity, acceleration, momentum, electric field strength and gravitational field strength</li> <li>• Determine, by calculation or graphically, the resultant of two vectors at right angles, limited to forces or velocities only</li> </ul>	<ul style="list-style-type: none"> <li>• Videos</li> <li>• Ppts</li> <li>• Worksheets</li> <li>• Class test</li> </ul>

	gravitational field strength.		
<b>CHEMISTRY</b>  <b>UNIT: 1</b>  <b>LESSON: States of matter</b>	<ul style="list-style-type: none"> <li>• Kinetic particle theory</li> <li>• Heating and cooling curve</li> <li>• Diffusion</li> <li>• RMM</li> </ul>	<ul style="list-style-type: none"> <li>• Explain changes of state in terms of kinetic particle theory, including the interpretation of heating and cooling curves</li> <li>• Explain, in terms of kinetic particle theory, the effects of temperature and pressure on the volume of a gas.</li> <li>• Describe and explain diffusion in terms of kinetic particle theory</li> <li>• Describe and explain the effect of relative molecular mass on the rate of diffusion of gases</li> </ul>	<ul style="list-style-type: none"> <li>• Past papers</li> <li>• Quiz</li> <li>• Class test</li> <li>• Self-assessment</li> <li>• Peer assessment</li> </ul>
<b>BIOLOGY</b>  <b>UNIT: 1</b>  <b>LESSON: Characteristics of living things.</b>	<ul style="list-style-type: none"> <li>• Dichotomous key</li> </ul>	<ul style="list-style-type: none"> <li>• Construct and use dichotomous keys based on identifiable features</li> <li>• Explain that the sequences of bases in DNA are used as a means of classification</li> <li>• State the main features used to place animals and plants into the appropriate kingdoms <ul style="list-style-type: none"> <li>(a) the main groups of vertebrates: mammals, birds, reptiles, amphibians, fish</li> <li>(b) the main groups of arthropods: myriapods, insects, arachnids, crustaceans.</li> </ul> </li> <li>• State the features of viruses, limited to a protein coat and genetic material</li> </ul>	<ul style="list-style-type: none"> <li>• Online quiz</li> <li>• Worksheets</li> <li>• Mini plenary</li> <li>• PPT</li> <li>• Video</li> <li>• Experimental activity</li> </ul>

<p><b>INFORMATION &amp; COMMUNICATION TECHNOLOGY (ICT)</b></p> <p><b>UNIT: 1</b></p> <p><b>LESSON: Types and Components of Computer system</b></p>	<ul style="list-style-type: none"> <li>• Hardware and Software</li> </ul>	<ul style="list-style-type: none"> <li>• Define software as programs for controlling the operation of a computer or processing of electronic data</li> <li>• Identify the two types of software – applications software and systems software</li> <li>• Define applications software (e.g. word processing, spread sheet, database management systems, control software, measuring software, applets and apps, photo-editing software, video-editing software, graphics manipulation software)</li> <li>• Define system software (e.g. compilers, linkers, device drivers, operating systems and utilities)</li> </ul>	<ul style="list-style-type: none"> <li>• PPTs</li> <li>• Worksheets</li> <li>• Videos</li> </ul>
<p><b>UAE STUDIES_ ARABIC</b></p> <p><b>UNIT:</b></p> <p><b>LESSON:</b></p>	<ul style="list-style-type: none"> <li>• موقع الوطن العربي و اهميته</li> </ul>	<ul style="list-style-type: none"> <li>• أن يُعرف المتعلم ما المقصود بكل من المفاهيم التالية:</li> <li>• الموقع النسبي – الموقع الفلكي</li> <li>• أن يحدد موقع الوطن العربي بالنسبة لخريطة العالم.</li> </ul>	<ul style="list-style-type: none"> <li>• عرض تقديمي</li> <li>• أوراق عمل</li> <li>• أنشطة صفية</li> <li>• حل أنشطة الطالب</li> <li>• مناقشة المفاهيم</li> </ul>
<p><b>UAE STUDIES – ENGLISH</b></p> <p><b>UNIT: 1</b></p> <p><b>LESSON:1</b></p>	<ul style="list-style-type: none"> <li>• Introduction to the Seven Emirates and the formation of the Nation.</li> </ul>	<ul style="list-style-type: none"> <li>• To Know about the History behind the formation of United Arab Emirates</li> </ul>	<ul style="list-style-type: none"> <li>• PPTs</li> <li>• Quiz</li> <li>• Videos</li> </ul>
<p><b>ECONOMICS</b></p> <p><b>UNIT:</b></p> <p><b>LESSON:</b></p>	<ul style="list-style-type: none"> <li>• Basic economic ideas</li> </ul>	<ul style="list-style-type: none"> <li>• Understanding the nature of basic economic ideas</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer questions</li> <li>• Videos and case studies</li> </ul>

<p><b>ACCOUNTING</b></p> <p><b>UNIT:</b> Introduction to accounting</p> <p><b>LESSON:</b> Introduction to accounting</p>	<ul style="list-style-type: none"> <li>Terminologies and Double entry rules</li> </ul>	<ul style="list-style-type: none"> <li>To understand the basic accounting terminologies and apply double entry rules</li> </ul>	<ul style="list-style-type: none"> <li>Rules and formats</li> <li>Application questions</li> </ul>
<p><b>BUSINESS STUDIES</b></p> <p><b>UNIT: 1</b></p> <p><b>LESSON: 1.1</b></p>	<ul style="list-style-type: none"> <li>Business activity</li> </ul>	<ul style="list-style-type: none"> <li>To understand the purpose and nature of business activity.</li> <li>To define the Concepts of needs, wants, scarcity and opportunity cost</li> </ul>	<ul style="list-style-type: none"> <li>Short answer questions</li> <li>Case studies based on business scenarios.</li> </ul>
<p><b>URDU</b></p> <p><b>UNIT:</b></p> <p><b>LESSON:</b></p>	<ul style="list-style-type: none"> <li>Essay writing</li> <li>Report</li> </ul>	<ul style="list-style-type: none"> <li>Understand and write the format of essay writing</li> <li>Enhance the understanding of report writing</li> </ul>	<ul style="list-style-type: none"> <li>Ppt</li> <li>Text book</li> <li>Internet (google)</li> </ul>
<p><b>PAKISTAN STUDIES</b></p> <p><b>UNIT:</b></p> <p><b>LESSON:</b></p>	<ul style="list-style-type: none"> <li>The Assessment of Key Questions from the Curriculum</li> <li>The Mughal rulers their downfall and British Colonization</li> <li>War of Independence 1957</li> </ul>	<ul style="list-style-type: none"> <li>To have an understanding of the major concepts covered during previous terms and the plan ahead.</li> <li>Practicing the different activities from papers on worksheet, notebooks.</li> </ul>	<ul style="list-style-type: none"> <li>PPT's</li> <li>Videos</li> <li>Worksheet &amp; Notebooks</li> <li>Past Papers</li> </ul>
<p><b>ENVIRONMENTAL MANAGEMENT</b></p> <p><b>UNIT: Human population</b></p> <p><b>LESSON: Population density</b></p>	<ul style="list-style-type: none"> <li>Human population distribution and density</li> </ul>	<ul style="list-style-type: none"> <li>Identify where people live in the world</li> <li>Describe and explain the growth curve of populations</li> </ul>	<ul style="list-style-type: none"> <li>Short answer questions</li> <li>Videos and case studies</li> <li>Real life connections</li> </ul>

