



## LEARNING TRAILS AY 2024-25

GRADE: 8

TERM 1\_WEEK 5 (23<sup>rd</sup> to 27<sup>th</sup> September 2024)

ENGLISH	MATHEMATICS
<p><b><u>Topics:</u></b></p> <ol style="list-style-type: none"><li>1. School Days (Listening) (SB Page no: 24)</li><li>2. Book of the Month (Reading)</li><li>3. Listening Assessment</li><li>4. Speaking Assessment</li></ol> <p><b><u>Learning Objectives:</u></b></p> <ol style="list-style-type: none"><li>1. Students will complete note-based tasks by identifying key information from an audio passage, using higher-order thinking skills.</li><li>2. Students will apply higher-order thinking skills to identify key ideas, patterns, and relationships in a text, using analysis and evaluation to complete comprehension tasks.</li></ol> <p><b><u>Resources needed:</u></b> Smart Board, Wifi, Laptop, Markers, Speakers, Worksheets.</p> <p><b><u>Homework/Assignments:</u></b> Read Progress, BBC Listening Exercises</p>	<p><b><u>Topics:</u></b> Multiplication and division of fractions</p> <p><b><u>Learning Objectives:</u></b></p> <ul style="list-style-type: none"><li>• To describe the procedure for multiplying fractions.</li><li>• To determine the product of two or more fractions</li><li>• To simplify fractions by dividing the numerator and the denominator by cancelling common factors.</li><li>• To describe the procedure for multiplying mixed numbers.</li><li>• To determine the product of a whole number and mixed fractions</li><li>• To simplify mixed fractions by dividing the numerator and the denominator by cancelling common factors.</li></ul> <p><b><u>Resources needed:</u></b></p> <ul style="list-style-type: none"><li>• Textbook</li><li>• Power point presentations, notebooks,</li><li>• Smart board, laptop, internet</li></ul> <p><b><u>Homework/Assignments:</u></b> QOD Weekly Assignment Weekly Test Daily Homework</p>



ADVANCED ARABIC	GENERAL ARABIC
<p><b>Topics:</b> ( نحو ) الحال</p> <p><b>Learning Objectives:</b> أن يتعرف المتعلم الحال المفرده أن يميز بين الحال الجملة وشبه الجملة أن يوظف المتعلم جملة الحال في مواقف حياتية</p> <p><b>Resources needed:</b> بوبوينت - الكتاب المدرسي - أنشطة تعليمية</p> <p><b>Homework/Assignments:</b> حل أسئلة الكتاب المدرسي - كتابة موضوع تعبير</p>	<p><b>Topics:</b> عام التسامح</p> <p><b>Learning Objectives:</b> أن يتعرف الطالب المفردات الجديدة أن يحدد الطالب الفكرة الرئيسة والأفكار الفرعية أن يذكر الطالب نتائج نشر التسامح بين الناس أن يميز الطالب بين الجملة البسيطة و الجملة المركبة</p> <p><b>Resources needed:</b> الكتاب المدرسي _ بوبوينت _ أنشطة صفية تعليمية</p> <p><b>Homework/Assignments:</b> أن يكتب الطالب المقال صد 25</p>
PHYSICS	BIOLOGY
<p><b>Topics:</b> Pressure in Liquid and gases</p> <p><b>Learning Objectives:</b> Define pressure in liquids as the force per unit area exerted by a liquid. Apply the concept of pressure in liquids to real-life situations. Define pressure in gases as the force per unit area exerted by a gas. Explain the applications of pressure in gases in real-life situations.</p> <p><b>Resources needed:</b> Text book, Ppt, Smart board <a href="https://phet.colorado.edu/sims/html/under-pressure/latest/under-pressure_all.html">https://phet.colorado.edu/sims/html/under-pressure/latest/under-pressure_all.html</a></p> <p><b>Homework/Assignments:</b> Solving worksheet</p>	<p><b>Topics:</b> • Photosynthesis</p> <p><b>Learning Objectives:</b> • Describe the role of chlorophyll in capturing light energy during photosynthesis. • Experiment that demonstrates the importance of light, carbon dioxide, and water for photosynthesis. • Describe the internal structure and function of leaf • Describe the internal structure and function of stem, and root</p> <p><b>Resources needed:</b> • Textbook • Power point presentations, notebooks, • Smart board, laptop, internet</p> <p><b>Homework/Assignments:</b> • Worksheet • Textbook 2-page no 12, Question no1,2 and 3</p>



CHEMISTRY	FRENCH
<p><b>Topics:</b> 6. MIXTURES /6.3 SEPARATING MIXTURES</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>• Describe various methods for separating mixtures, such as filtration, evaporation, distillation, decantation, chromatography, and magnetic separation.</li><li>• Match each separation technique to the appropriate type of mixture (e.g., solid-liquid, liquid-liquid).</li><li>• Understand the scientific principles behind each separation method (e.g., particle size, boiling point, magnetism).</li><li>• Explain why certain methods are used to separate specific mixtures (e.g., filtration for insoluble solids, distillation for liquids with different boiling points).</li></ul> <p><b>Resources needed:</b></p> <p><a href="https://wordwall.net/resource/25469090/year-8-separating-techniques">https://wordwall.net/resource/25469090/year-8-separating-techniques</a></p> <p><a href="https://youtu.be/PYMWUz7TC3A?si=0TKNdh-kOLDKKj8f">https://youtu.be/PYMWUz7TC3A?si=0TKNdh-kOLDKKj8f</a></p> <p><b>Homework/Assignments:</b></p> <ul style="list-style-type: none"><li>• Use knowledge of separation techniques to solve practical problems, such as purifying water or separating useful substances from waste.</li><li>• Relate the use of separation techniques to industries such as water treatment, oil refining, and recycling.</li><li>• Compare the efficiency of different separation techniques in terms of time, effectiveness, and practicality</li></ul>	<p>• Workbook pg no ----</p> <p><b>Topics:</b> la forme du present et le passé. [grammaire]</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>• Connaitre la forme du présent et le passé</li><li>• Ecrire des sentences au present utilisant les verbes reguliers et irreguliers.</li></ul> <p><b>Resources needed:</b></p> <p>Power Point</p> <ul style="list-style-type: none"><li>* Audio Power point intégré</li><li>* Video Power point intégrée.</li><li>* Enseignement en direct.</li></ul> <p><b>Homework/Assignments:</b> Ecrire des paragraphes sur chacun titre ils préfèrent.</p>



ISLAMIC ARABIC	ISLAMIC STUDIES
<p><b>Topics:</b> تابع درس أحكام المد</p> <p><b>Learning Objectives:</b> أن يتعرف الطالب على ملحقات المد الطبيعي أن يستنتج الطالب أحكام المد الفرعي</p> <p><b>Resources needed:</b> الكتاب المدرسي البوربوينت أنشطة صفية السبورة الذكية</p> <p><b>Homework/Assignments:</b> حل أنشطة الطالب بالكتاب المدرسي عمل مخطط ذهني للمد الاصلي والمد الفرعي بسبب الهمزة مراجعة البوربوينت للدرس</p>	<p><b>Topics:</b> Good Earning</p> <p><b>Learning Objectives:</b> Understand the Islamic principles of earning a lawful (Halal) income: By the end of the lesson, students will be able to differentiate between Halal (lawful) and Haram (unlawful) forms of income. Develop awareness of ethical business practices in Islam: Students will learn about the importance of honesty, integrity, and fair dealings in earning a livelihood as per Islamic teachings.</p> <p><b>Resources needed:</b> Quran, Hadith Collection, Whiteboard/Projector, Case Study Handouts</p> <p><b>Homework/Assignments:</b> <b>Research Project:</b> Each student should select a profession and research how ethical business practices are applied within that profession according to Islamic principles.</p>
URDU	PAKISTAN STUDIES
<p><b>Topics:</b> Comprehension تفہیم</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>تعلیمی سال کے مقررہ نصاب کے حوالے سے مخصوص عبارت کے خیالات، آراء اور رویوں کو سمجھیں گے۔</li><li>محدود وقت کا صحیح استعمال کریں گے۔ جواب دیں گے اور واضح طور پر لکھیں گے،</li><li>جواب دیں گے اور واضح طور پر لکھیں گے، حقائق، خیالات اور آراء کو پہچانیں، سمجھیں اور ان میں فرق کریں</li></ul>	<p><b>Topics:</b> Mineral resources</p> <p><b>Learning Objectives:</b> Identify mineral resources their mining, effects on economy and environment.</p> <p><b>Resources needed:</b> PPT, Notebook, Book, Topicals, Notes.</p> <p><b>Homework/Assignments:</b> Practice Questions</p>



<p><b><u>Resources needed:</u></b></p> <p>ڈیجیٹل بورڈ کتاب ۱</p> <p><b><u>Homework/Assignments:</u></b></p> <p>Solve/write 5 examples at home given by teacher.</p>	
ICT	HISTORY & GEOGRAPHY
<p><b><u>Topics:</u></b></p> <p>Theory: (Internet of things) Practical: MS Access: Relationship between tables</p> <p><b><u>Learning Objectives:</u></b></p> <p>Theory: (Internet of things) LO1: Understand the term internet of things. LO2: Identify the IoT devices. Practical: MS Access: Relationship between tables Create relationship between tables</p> <p><b><u>Resources needed:</u></b></p> <p>Smart board, PPTs, Notebook, ICT lab and worksheet</p> <p><b><u>Homework/Assignments:</u></b></p>	<p><b><u>Topics:</u></b></p> <p>World War 1- Impacts</p> <p><b><u>Learning Objectives:</u></b></p> <p>To analyze the political, economic, and social impacts of World War I on global powers and societies.</p> <p><b><u>Resources needed:</u></b></p> <p>PPTS Videos Worksheets</p> <p><b><u>Homework/Assignments:</u></b></p> <p>Choose one country involved in World War I and write a 500–700-word essay analyzing how the war affected it in the following areas: Political Impact: Discuss changes in government, leadership, or political structure. Economic Impact: Explore the economic consequences, such as changes in industry, debt, or trade. Social Impact: Analyze how the war affected society, including shifts in social classes, gender roles, or cultural changes.</p>



MORAL, SOCIAL AND CULTURAL STUDIES	UAE ARABIC
<p><b>Topics:</b> The culture and traditions of Africa</p> <p><b>Learning Objectives:</b> To explore the diverse cultures and traditions of Africa, focusing on key social, artistic, and religious practices</p> <p><b>Resources needed:</b> PPTS Videos Worksheets</p> <p><b>Homework/Assignments:</b> Research a specific African culture, highlighting its traditional customs, art, and religious practices. Present your findings in a 300-word report with supporting visuals.</p>	<p><b>Topics:</b> الوحدة : قضايا وطنية الدرس : قضية الجزر الاماراتية الثلاث المحتلة</p> <p><b>Learning Objectives:</b> يحدد الحلول التي حددها صاحب السمو رئيس الدولة لحل قضية الجزر الاماراتية الثلاث حل أنشطة الدرس</p> <p><b>Resources needed:</b> الكتاب المدرسي السبورة الذكية البوربوينت أنشطة صافية</p> <p><b>Homework/Assignments:</b> بحث حول قضية الجزر الاماراتية الثلاث المحتلة و مواقف الدول و المنظمات عالميا</p>
ART	
<p><b>Topics:</b> Sustainability- Paper Quilling bowl</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>• Artistic Skills: The basics of paper quilling and create a decorative bowl.</li><li>• Sustainability Awareness: Understand the importance of up cycling and using recycled materials to reduce waste.</li><li>• Reflection and Discussion: Reflect on the environmental impact of their work and discuss sustainability.</li></ul> <p><b>Resources needed:</b></p> <ul style="list-style-type: none"><li>- Recycled paper (old magazines, newspapers, or scrap paper)</li><li>- Quilling tools (or makeshift tools like toothpicks or paper clips)</li><li>- Eco-friendly glue</li><li>- Small bowl to use as a mold (optional)</li><li>- Scissors (for cutting paper strips)</li><li>- Brushes (for applying glue)</li><li>- Natural or eco-friendly sealer (optional)</li></ul> <p><b>Homework/Assignments:</b></p>	



AL AIN JUNIORS SCHOOL  
BRITISH SYSTEM

