

**AL AIN JUNIORS SCHOOL- BRITISH SYSTEM**  
**LEARNING TRAILS**

**AY 2023-24: Term 2\_Week 5 (29<sup>th</sup> to 2<sup>nd</sup> February 2024)**

**GRADE 8**

ENGLISH	MATHEMATICS
<p><b>Topics:</b></p> <ul style="list-style-type: none"> <li>☺ Reading Comprehension (Skimming &amp; Scanning) : Tiny Giant</li> <li>☺ Writing an expository essay (Part 1)</li> <li>☺ Writing an expository essay (Part 2)</li> <li>☺ Reading Comprehension Assessment: (Hacked !, #3)</li> <li>☺ Use of English topic : Correlative Conjunctions</li> </ul> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"> <li>☺ will demonstrate their comprehension ability by analysing and evaluating the life story of Simone Biles, the world's greatest gymnast, as presented in the passage.</li> <li>☺ Write an expository essay introduction with a hook, and a body paragraph containing a clear topic sentence, supporting details, and effective transitions.</li> <li>☺ Write the third and fourth paragraphs of an expository essay, consisting of proposals and a conclusion, and create a complete expository essay using a graphic organizer.</li> <li>☺ Will demonstrate their reading comprehension skills through the analysis of the provided passage. The assessment will be put to test the skimming and scanning abilities of students.</li> <li>☺ Identify and use correlative conjunctions in sentences to show the relationship between elements and enhance sentence structure.</li> </ul> <p><b>Resources needed:</b></p> <ul style="list-style-type: none"> <li>☺ Reading comprehension worksheet, MS Teams, PPT, Smartboard, OHP, Notebook, Laptop</li> <li>☺ PPT, Videos, Live worksheet, Smartboard,</li> </ul>	<p><b>Topics:</b></p> <ul style="list-style-type: none"> <li>• Fractions and Percentage</li> <li>• Quadratic Expressions and Equations</li> </ul> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"> <li>• To be able to calculate the percentage increase and percentage decrease of a number</li> <li>• To be able to apply percentage increase and decrease to real life situations</li> <li>• To factorise quadratic expressions by common factor</li> <li>• To factorise quadratic identity</li> <li>• To factorize quadratic trinomial</li> <li>• To solve quadratic equation by factoring.</li> </ul> <p><b>Resources needed:</b></p> <ul style="list-style-type: none"> <li>• Teams, Notebook, PPTs</li> <li>• ATS Worksheets</li> <li>• LA Worksheets</li> <li>• Transum.org Live Worksheet</li> </ul> <p><b>Homework/Assignments:</b></p> <ul style="list-style-type: none"> <li>• Weekly Assignment</li> <li>• Weekly Test (29 January, Monday)</li> <li>• Questions of the day on Teams (QOD)</li> </ul>

<p>OHP, Notebook, Laptop</p> <p>☺ PPT, Videos, Smartboard, OHP, Notebook, Graphic Organizer, laptop</p> <p>☺ Comprehension Worksheet, highlighter, Smartboard, OHP, Notebook, Laptop</p> <p>☺ Worksheet, Smartboard, OHP, Highlighter, PPT, Video, Live worksheet, notebook</p> <p><b>Homework/Assignments:</b></p> <p>☺ MS Teams, Live worksheets, Notebook, Graphic Organizer</p>	
ADVANCED ARABIC	GENERAL ARABIC
<p><b>Topics:</b> نص معلوماتي صناعة السفن الخشبية في الإمارات</p> <p><b>Learning Objectives:</b> أن يتعرف الطالب على تاريخ صناعة السفن أن يستنتج الطالب أهمية البحر أن يحدد الطالب فوائد الصيد أن يجيب الطالب عن أسئلة الدرس</p> <p><b>Resources needed:</b> كتاب الطالب - العرض التقديمي - فيديو عن السفن - منصة ألف</p> <p><b>Homework/Assignments:</b> يبحث عن تاريخ صناعة السفن في الإمارات العربية المتحدة يجيب عن أسئلة الدرس من منصة ألف</p>	<p><b>Topics:</b> مصادر الطاقة</p> <p><b>Learning Objectives:</b> يتعرف الطالب المفردات الجديدة يحدد الطالب الفكرة الرئيسية والأفكار الفرعية للدرس أن يذكر الطالب مميزات مدينة مصدر أن يجيب الطالب عن الأسئلة</p> <p><b>Resources needed:</b> الكتاب المدرسي _ بوربوينت _ أنشطة صفية تعليمية</p> <p><b>Homework/Assignments:</b> أن يكتب الطالب عن أهمية الطاقة المتجددة واستخدامها في دولة الإمارات</p>
PHYSICS	BIOLOGY
<p><b>Topics:</b> LIGHT</p> <p><b>Learning Objectives:</b> Explain the Law of Reflection, stating that the angle of incidence is equal to the angle of reflection Investigate how light behaves when it travels from one medium to another. Demonstrate the splitting of white light into its component colors, and understand how different colors are refracted by different amounts</p>	<p><b>Topics:</b> 3.3 The human circulatory system</p> <p><b>Learning Objectives:</b> To recognize the major parts of the human respiratory system and their functions.</p> <p><b>Resources needed:</b> Textbook, handouts, notebook, Videos</p> <p><b>Homework/Assignments:</b> Label and annotate the diagram of human circulatory system.</p>

<p><b>Resources needed:</b> PPT, videos, worksheets, pHET simulations</p> <p><b>Homework/Assignments:</b> <i>Back exercise questions</i></p>	
<b>CHEMISTRY</b>	<b>FRENCH</b>
<p><b>Topics:</b></p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"> <li>o Identify elements in the periodic table in increasing order of atomic number</li> <li>o Locate the elements in the periodic table</li> <li>o Describe the electron distribution of atom as per energy shells.</li> <li>o Draw the well labelled electronic structure of various atom</li> </ul> <p><b>Resources needed:</b> <a href="http://www.webelements.com">www.webelements.com</a> / <a href="http://www.rsc.org/periodic-tablehttps">www.rsc.org/periodic-tablehttps</a> <u>Periodic table hands-out</u> <u>Marker/color pen</u></p> <p><b>Homework/Assignments:</b></p> <ul style="list-style-type: none"> <li>-Text Book questions</li> <li>-Draw the electronic structure for different atoms from 11 to 20</li> </ul>	<p><b>Topics:</b> Les animaux domestiques. La description de la famille.</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"> <li>• Identifier les noms de animaux domestiques en français.</li> <li>• Écrire des sentences ou paragraphe pour décrire les animaux domestiques.</li> <li>• Decrire quelqu'un dans leur famille.</li> </ul> <p><b>Resources needed:</b> PowerPoints, notebooks, textbook, quizzes, worksheets</p> <p><b>Homework/Assignments:</b> Parler sur les animaux domestiques dans UAE et ton PAYS.</p>
<b>ISLAMIC ARABIC</b>	<b>ISLAMIC STUDIES</b>
<p><b>Topics:</b> آداب السفر</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"> <li>➤ يوضح الطالب مفهوم السفر -</li> <li>➤ يبين الطالب فوائد السفر</li> <li>➤ يستنتج الطالب آداب السفر</li> </ul> <p><b>Resources needed:</b></p> <ul style="list-style-type: none"> <li>➤ الكتاب المدرسي</li> <li>➤ البوربوينت</li> <li>➤ منصة ألف</li> <li>➤ أنشطة صفية</li> </ul>	<p><b>Topics:</b> Travel Manners in Islam</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"> <li>• Students will be able to explain the benefits of traveling in Islam.</li> <li>• Students will deduce the benefits of observing Islamic manners during travel.</li> </ul> <p><b>Resources needed:</b> Board, projector, marker, textbook</p> <p><b>Homework/Assignments:</b></p>

<p><b>Homework/Assignments:</b></p> <ul style="list-style-type: none"> <li>حل أنشطة الطالب بالكتاب المدرسي</li> <li>حل منصة ألف</li> <li>مراجعة البوربوينت للدرس</li> </ul>	<p>Activity: Students can create posters or artwork depicting the key concepts of travel manners in Islam. This allows for creative expression and reinforces learning.</p>
<b>URDU</b>	<b>PAKISTAN STUDIES</b>
<p><b>Topics:</b></p> <p>Cloze passage</p> <p>خالی جگہ پر کریں</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"> <li>عبارت پڑھ کر خالی جگہ پر کریں۔</li> <li>عبارت کے ہر فقرے کو اس طرح پڑھیں کہ مجموعی طور پر عبارت کا مفہوم اور تفصیل سمجھ میں آجائے۔</li> <li>درست جواب پر ٹک کا نشان لگا کر عبارت جوابات کے ساتھ پڑھیں گے۔</li> </ul> <p><b>Resources needed:</b></p> <ul style="list-style-type: none"> <li>کتاب 2</li> <li>ورک شیٹ</li> <li>پی پی ٹی</li> </ul> <p><b>Homework/Assignments:</b></p> <ul style="list-style-type: none"> <li>صفحہ 36 سے 41 کاپی میں عبارت جوابات کے ساتھ لکھیں</li> <li>کلاس ٹیسٹ</li> </ul>	<p><b>Topics:</b></p> <p>Non-Renewable and Renewable Resources: Nuclear and thermal</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"> <li>Understand the processes of harnessing nuclear and thermal energy.</li> <li>Identify the applications of nuclear and thermal energy.</li> <li>Evaluate the implications of utilizing non-renewable resources for environment.</li> <li>Understand the processes of harnessing hydroelectric and solar power in Pakistan.</li> <li>Identify the applications of hydroelectric and solar power in the Pakistani context.</li> <li>Evaluate the benefits and significance of utilizing renewable energy sources for Pakistan's energy needs.</li> </ul> <p><b>Resources needed:</b></p> <p>PPT, photos related to topic, concept map.</p> <p><b>Homework/Assignments:</b></p> <p>Short essay on the role of community-based renewable energy projects in providing sustainable solutions for energy access in remote areas of Pakistan.</p>
<b>ICT</b>	<b>HISTORY GEOGRAPHY</b>
<p><b>Topics:</b></p> <p>Conditional Statement (continuation)</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"> <li>Analyze the concept of conditional statements and their role in programming.</li> </ul>	<p><b>Topics:</b></p> <p>World War 2</p> <p><b>Learning Objectives:</b></p> <p>Students will analyze and understand the causes of World War II, focusing on key events and factors</p>

- Differentiate between different types of conditional statements, including if statements and if-else statements
- Apply basic conditional statements in Python to control the flow of a program based on specific conditions.

**Resources needed:**

Laptop  
Videos  
Projector

**Homework/Assignments:**

The Dubai Metro is a popular mode transportation in the UAE. Design a Python program that calculates the total fare for a given number of metro trips based on the fare rate and the number of trips entered by the user. The program should also provide a discount of 10% if the number of trips is more than 10. Discuss how Python programming can be used to automate fare calculations and improve the efficiency of ticketing systems in the UAE.

that led to the outbreak of the war.

**Resources needed:**

Interactive whiteboard or projector  
World War II timeline  
Maps of Europe and Asia  
Video clips or documentaries on World War II  
Worksheets or graphic organizers  
Writing materials

**Homework/Assignments:**

Write a short note on How did Hitler acted against the terms of Versailles?  
Describe the domestic and foreign policy of Hitler?

**MORAL SOCIAL CULTURAL STUDIES**

**Topics:**

Colonial North America

**Learning Objectives:**

Analyze the European settlement of Colonial North America through evaluating the varied motivations, strategies, and impacts of different colonists. Assess the consequences on the continent's societies.

**Resources needed:**

PPTS  
Videos  
World Map  
Worksheets

**Homework/Assignments:**

**UAE ARABIC**

**Topics:**

الدرس الرابع : زايد و حلم الشباب

**Learning Objectives:**


مظاهر اهتمام الشيخ زايد بفئة الشباب  
يثنى الجهود المبدولة من حكومه دولة الإمارات التي مكنت الشباب  
من إتخاذ القرارات و تقديم الخدمات لهم

**Resources needed:**

أنشطة صفية  
البوابه الإلكترونية  
الكتاب المدرسي  
بوربوينت

**Homework/Assignments:**

وضح مظاهر إهتمام الشيخ زايد بالشباب



How did diverse motivations and strategies of European colonist's impact Colonial North America.	
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