

AL AIN JUNIORS SCHOOL- BRITISH SYSTEM  
LEARNING TRAILS

AY 2023-24\_Term 3\_Week 2 (22<sup>nd</sup> to 26<sup>th</sup> April 2024)

GRADE 9

ADVANCED ARABIC	GENERAL ARABIC
<p><b>Topics:</b> رواية الأمير الصغير ( الفصول ) 2- 4</p> <p><b>Learning Objectives:</b> أن يفسر المتعلم اللغة المجازية والمعاني الدلالية للكلمات والعبارات المستخدمة في النص الأدبي معتمداً على استخدام الكاتب هذه اللغة أن يحلل المتعلم الرواية إلى عناصرها الفنية مستخدماً المخططات والرسومات لتوضيح العلاقة بين الشخصيات وتطور الخط الزمني للوّاية</p> <p><b>Resources needed:</b> الرواية - العرض التقديمي - منصة ألف</p> <p><b>Homework/Assignments:</b> تلخيص الفصول في الدفتر - حل التمرينات في منصة ألف</p>	<p><b>Topics:</b> تابع ( حكايات كروية ملهمة ) قراءة</p> <p><b>Learning Objectives:</b> أن يتعرف المتعلم على قصة حياة كانتي أن يستمع إلى النص ويستخرج المفردات الجديدة أن يذكر أهمية الرياضة أن يعدد أنواع الرياضات</p> <p><b>Resources needed:</b> الكتاب - العرض التقديمي - الانترنت</p> <p><b>Homework/Assignments:</b> لخص قصة حياة كانتي في سبعة أسطر</p>
ENGLISH	MATHEMATICS
<p><b>Topics:</b> Listening Punctuation, Reading comprehension</p> <p><b>Learning Objectives:</b> Punctuate the sentences properly Respond to both listening and reading comprehension</p> <p><b>Resources needed:</b> Ppt Worksheets Workbook</p> <p><b>Homework/Assignments:</b></p>	<p><b>Topics: SETS</b></p> <p><b>Learning Objectives:</b> Use language and notation to describe sets. e.g. <math>A = \{x: x \text{ is a natural number}\}</math> <math>B = \{(x,y): y = mx + c\}</math> <math>C = \{x: a \leq x \leq b\}</math> <math>D = \{a, b, c, \dots\}</math> Notation Number of elements in set A <math>n(A)</math> “...is an element of...” <math>\in</math> “...is not an element of...” <math>\notin</math> Complement of set A <math>A'</math> The empty set <math>\emptyset</math> Universal set A is a subset of B <math>A \subseteq B</math></p>

A listening exercise will be assigned

A is a proper subset of B  $A \subset B$

A is not a subset of B  $A \not\subset B$

A is not a proper subset of B  $A \not\subsetneq B$

Union of A and B  $A \cup B$

Intersection of A and B  $A \cap B$

- Understand the concept of sets and their elements.
- Familiarity with set operations, such as union and intersection.
- Represent relationships between sets using Venn diagrams.

**Resources needed:**

<https://pastpapers.co/cie/?dir=IGCSE%2FMathematics-0580>

**Homework/Assignments:**

- Solve 5 even number questions from textbook
- Online & Direct quiz
- PPT
  - Weekly Test (Every MONDAY)
  - Question of the day (Monday to Thursday 6:00pm to 11:59 pm)

**PHYSICS**

**BIOLOGY**

**Topics:**

Common features of learning trial  
Reflection  
Refraction  
Diffraction

**Learning Objectives:**

Describe how waves can undergo reflection, refraction and diffraction  
Describe how wave length and gap size can affect diffraction through gap  
Describe how wave length affect diffraction at an edge

**Resources needed:**

Text book  
Workbook

**Topics:**

Transport in plants and human.

**Learning Objectives:**

Describe translocation as the movement of sucrose and amino acids in phloem  
Explain why some parts of a plant may act as a source and a sink at different times  
Describe the circulatory system as a system of blood vessels with a pump and valves to ensure one-way flow of blood  
Describe the single circulation of a fish  
Describe the double circulation of a mammal  
Identify in diagrams and images the structures of the mammalian heart  
Explain the advantages of a double circulation

<p>Notebook</p> <p><b><u>Homework/Assignments:</u></b> Draw the diffraction of water waves arriving at a gap of different sizes</p>	<p><b><u>Resources needed:</u></b> Text book, ppt, Task sheets, work book, work sheets, past papers.</p> <p><b><u>Homework/Assignments:</u></b> Solve the task sheet, Complete the activities on note book.</p>
<b>CHEMISTRY</b>	<b>ENVIRONMENTAL MANAGMENT</b>
<p><b><u>Topics:</u></b> Chemistry of the Environment - Water</p> <p><b><u>Learning Objectives:</u></b> Describe chemical tests for the presence of water using anhydrous cobalt(II) chloride and anhydrous copper(II) sulfate. Describe how to test for the purity of water using melting point and boiling point. Explain that distilled water is used in practical chemistry rather than tap water because it contains fewer chemical impurities. State that water from natural sources may contain substances. State that some of these substances are beneficial. State that some of these substances are potentially harmful. Describe the treatment of the domestic water supply.</p> <p><b><u>Resources needed:</u></b> Textbook, Workbook, The Periodic Table</p> <p><b><u>Homework/Assignments:</u></b> Daily Questions, Weekly Assignment, Past paper Questions</p>	<p><b><u>Topics:</u></b> Oceans as a resource</p> <p><b><u>Learning Objectives:</u></b> Outline the resource potential of the oceans. outline the distribution of major ocean currents</p> <p><b><u>Resources needed:</u></b> Syllabus Past paper PPT</p> <p><b><u>Homework/Assignments:</u></b> Research on ocean trade</p>
<b>ISLAMİYAT</b>	<b>ISLAMIC STUDIES</b>
<p><b><u>Topics:</u></b> Past Papers</p> <p><b><u>Learning Objectives:</u></b> Discussing the past papers year 2021</p>	<p><b><u>Topics:</u></b> Surah Al Waqia</p> <p><b><u>Learning Objectives:</u></b></p>

<p><b><u>Resources needed:</u></b> Board, projector, marker, textbook</p> <p><b><u>Homework/Assignments:</u></b> Solve students' past paper oct and nov year 2021</p>	<p>Explain the verses of the Quranic verses of the surah.</p> <p>Discuss the theme and importance of the surah Waqiah.</p> <p><b><u>Resources needed:</u></b> Board, projector, marker, textbook</p> <p><b><u>Homework/Assignments:</u></b> Solve students' activity in textbook.</p>
<b>URDU</b>	<b>PAKISTAN STUDIES</b>
<p><b><u>Topics:</u></b> پیپر 2 موک امتحان کی مشق مضمون</p> <p><b><u>Learning Objectives:</u></b></p> <ul style="list-style-type: none"> <li>• تحریری مہارت اور معیاری الفاظ جیسے استعمال کرنے کے قابل ہونا چاہئے</li> <li>• صحیح متن کی ساخت، کریں گے</li> <li>• مشکل ترا کیب کہ جملوں کی شکل میں ترتیب دیں گے</li> </ul> <p><b><u>Resources needed:</u></b></p> <ul style="list-style-type: none"> <li>• کتاب-1</li> <li>• پروجیکٹر</li> </ul> <p><b><u>Homework/Assignments:</u></b></p> <ul style="list-style-type: none"> <li>• مثالیں حل کریں</li> <li>• کلاس ٹیسٹ</li> </ul>	<p><b><u>Topics:</u></b> Trade</p> <p><b><u>Learning Objectives:</u></b> The meaning of trade, imports and exports of Pakistan.</p> <p><b><u>Resources needed:</u></b> PPTS, Book, Stable internet, Laptop.</p> <p><b><u>Homework/Assignments:</u></b> NA</p>
<b>ICT</b>	<b>TRAVEL AND TOURISM</b>
<p><b><u>Topics:</u></b> Logical Functions</p> <p><b><u>Learning Objectives:</u></b> Able to identify logical functions Will be able to apply logical functions (if, sumif, countif) according to the given scenario.</p> <p><b><u>Resources needed:</u></b></p>	<p><b><u>Topics:</u></b> Global tourism</p> <p><b><u>Learning Objectives:</u></b> To analyze the role of organizations involved in development and management of destinations</p> <p><b><u>Resources needed:</u></b> Textbook, Past papers</p>

Textbook, MS Excel, Notebook  <b><u>Homework/Assignments:</u></b> Complete the assignment Excel-Assignment 1 from Teams.	<b><u>Homework/Assignments:</u></b> Practice end of chapter case studies
<b>ACCOUNTING</b>	<b>BUSINESS STUDIES</b>
<b><u>Topics:</u></b> Partnership Accounting  <b><u>Learning Objectives:</u></b> To formulate profit and Loss appropriation account of partnership business  <b><u>Resources needed:</u></b> Text book, PPT ,Task Sheets  <b><u>Homework/Assignments:</u></b> Topical Question sheet Research Task- UAE Taxation of Partnerships	<b><u>Topics:</u></b> Organizational structure  <b><u>Learning Objectives:</u></b> To differentiate tall and flat structures of business organization  <b><u>Resources needed:</u></b> Text book Past papers  <b><u>Homework/Assignments:</u></b> Practice topical questions
<b>ECONOMICS</b>	<b>UAE ARABIC</b>
<b><u>Topics:</u></b> Firms and production  <b><u>Learning Objectives:</u></b> Analyze the factors influencing a firm's production decisions. Explain the concept of profit maximization.  <b><u>Resources needed:</u></b> Textbook Topical past papers  <b><u>Homework/Assignments:</u></b> How do firms in the UAE determine their production output and pricing strategies/ decisions? Practicing past paper questions	<b><u>Topics:</u></b>   <b><u>Learning Objectives:</u></b>   <b><u>Resources needed:</u></b>   <b><u>Homework/Assignments:</u></b>
<b>MORAL SOCIAL CULTURAL STUDIES</b>	<b>ISLAMIC ARABIC</b>
<b><u>Topics:</u></b>	<b><u>Topics:</u></b> (تكملة درس سورة الواقعة ) 57 – 74

## Sustainable Development in UAE

### Learning Objectives:

To evaluate the UAE's sustainable development initiatives, strategies and policies implemented to balance economic growth with environmental preservation and social welfare.

### Resources needed:

Videos

PPTs

Reading Comprehension

### Homework/Assignments:

Make a research work on the topic – The Sustainable development goals of UAE

### Learning Objectives:

- يُسمع الطلاب الايات القرآنية مطبقا لأحكام القرآن
- يوضح الطلاب المعنى الاجمالي للآيات
- يدلل على مظاهر قدرة الله تعالى

### Resources needed:

الكتاب المدرسي

البوربوينت

منصة ألف

أنشطة صفية

### Homework/Assignments:

حل أنشطة الطالب بالكتاب المدرسي

حل منصة ألف

مراجعة البوربوينت للدرس