

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 9

ENGLISH	MATHEMATICS
<p><b>Topics:</b> Reading comprehension Review writing Grammar: conditionals</p> <p><b>Learning Objectives:</b> Write a review Use conditionals Read for understanding</p> <p><b>Resources needed:</b> PPT Audio Video Workbooks Coursebooks</p> <p><b>Homework/Assignments:</b> Write a review of any amusement park you have been to here in the UAE</p>	<p><b>Topics:</b> Straight Line Graph</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"> <li>Find the gradient of a straight line.</li> <li>Determine the length or distance of a straight line.</li> <li>Find the coordinates of the midpoint of a line.</li> <li>Understand the equation of a straight line (<math>y = mx + c</math>).</li> <li>Find the equation of a line using the gradient.</li> <li>Determine the equation of a straight line parallel, perpendicular to a given line.</li> <li>Determine the equation of a perpendicular bisector.</li> <li>Calculate the gradients of parallel and perpendicular lines.</li> </ul> <p><b>Resources needed:</b> <a href="https://pastpapers.co/cie/?dir=IGCSE%2FMathematics-0580">https://pastpapers.co/cie/?dir=IGCSE%2FMathematics-0580</a></p> <p><b>Homework/Assignments:</b></p> <ul style="list-style-type: none"> <li>Solve 5 even number questions from textbook</li> <li>Online &amp; Direct quiz</li> <li>PPT</li> <li>Weekly Test (Every MONDAY)</li> <li>Question of the day (Monday to Thursday 6:00pm to 11:59 pm)</li> </ul>
ADVANCED ARABIC	GENERAL ARABIC
<p><b>Topics:</b> (رحلة ابن بطوطة إلى الصين ) أدب الرحلات</p> <p><b>Learning Objectives:</b> أن يحدد المتعلم الفكر الرئيسية للنص مقيماً دقة الأدلة وصحتها وأسلوب الجمل وفاعليته في النص</p> <p><b>Resources needed:</b> الكتاب المدرسي - الدفتر المدرسي - أوراق نشاط - العرض</p>	<p><b>Topics:</b> الموسيقار الأصم</p> <p><b>Learning Objectives:</b> يقرأ النص قراءة جيدة يستخرج المفردات الجديدة يستنتج الأفكار الرئيسية</p>

<p>التقديمي - منصة ألف</p> <p><b>Homework/Assignments:</b></p> <p>حل ص 71 من الكتاب المدرسي</p>	<p><b>Resources needed:</b></p> <p>العرض - الكتاب - الإنترنت</p> <p><b>Homework/Assignments</b></p> <p>اكتب فقرة عن بيتهوفن:</p>
<p style="text-align: center;"><b>PHYSICS</b></p>	<p style="text-align: center;"><b>BIOLOGY</b></p>
<p><b>Topics: PRESSURE</b></p> <p><b>Learning Objectives:</b></p> <p>Develop a comprehensive understanding of pressure,</p> <p>To understand the concept of pressure in liquids and its applications.</p> <p>Problem solving questions of pressure in solids and liquids using its formula</p> <p><b>Resources needed:</b></p> <p><b>PPT, VIDEOS, SIMULATIONS</b></p> <p><b>Homework/Assignments:</b></p> <p>PAST PAPER QUESTIONS</p>	<p><b>Topics: Human nutrition</b></p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"> <li>- State the principal dietary sources and describe the importance of carbohydrates, proteins, fats, fibre, mineral</li> <li>- Identify and describe the function of digestive system: mouth to large intestine</li> </ul> <p><b>Resources needed:</b></p> <ul style="list-style-type: none"> <li>- Videos, PPT, Textbook</li> </ul> <p><b>Homework/Assignments:</b></p> <ul style="list-style-type: none"> <li>- Label and annotate the human digestive system</li> <li>- Describe the functions of the digestive organs.</li> </ul>
<p style="text-align: center;"><b>CHEMISTRY</b></p>	<p style="text-align: center;"><b>ENVIRONMENTAL MANAGEMENT</b></p>
<p><b>Topics:</b></p> <p>Acids, Bases and Salts</p> <p><b>Learning Objectives:</b></p> <p>Classify oxides as acidic, including SO<sub>2</sub> and CO<sub>2</sub>, or basic, including CuO and CaO, related to metallic and non-metallic character.</p> <p>Describe amphoteric oxides as oxides that react with acids and with bases to produce a salt and water.</p> <p>Classify Al<sub>2</sub>O<sub>3</sub> and ZnO as amphoteric oxides.</p> <p>Define a hydrated substance as one chemically combined with water and an anhydrous substance as one with no water.</p> <p>Define the term water of crystallisation as the water molecules present in hydrated crystals, including CuSO<sub>4</sub>•5H<sub>2</sub>O and CoCl<sub>2</sub>•6H<sub>2</sub>O.</p> <p><b>Resources needed:</b></p> <p>The Periodic Table, workbook, textbook</p>	<p><b>Topics:</b></p> <p>The technologies and viability of alternative energy sources.</p> <p><b>Learning Objectives:</b></p> <p>Concentrate on the six sources named in the syllabus (solar, wind, wave, geothermal, hydro-electric and biomass), studying how the natural source is harnessed for energy, where the best conditions for its use exist, and present level of technological development.</p> <p>describe how each of these energy resources is used to generate electricity</p> <p>describe the environmental, economic and social advantages and disadvantages of each of these energy resources</p> <p><b>Resources needed:</b></p> <p>0680 past examination papers:</p> <p>Jun 2013 Paper 11 Q 5(b)</p> <p>Jun 2013 Paper 41 Q 2(a)(e)</p> <p>Nov 2013 Paper 21 Q 2(d)</p>

<p><b>Homework/Assignments:</b> Daily Questions, Weekly Assignment, past paper questions</p>	<p><b>Homework/Assignments:</b> Research on Why has uptake of alternatives been so slow? Present your research outcome in the class.</p>
<b>ISLAMIYAT</b>	<b>ISLAMIC STUDIES</b>
<p><b>Topics:</b> Permissible and Forbidden Food &amp; Drinks.</p> <p><b>Learning Objectives:</b> Infer the types of food permitted by Allah (SWT). Specify the types of forbidden things in Islam. Analyze the reasons for forbidding some foods and drinks.</p> <p><b>Resources needed:</b> Board, projector, marker, textbook, Papers, sticky Papers.</p> <p><b>Homework/Assignments:</b> Solve students' activity in textbook</p>	<p><b>Topics:</b> Permissible and Forbidden Food &amp; Drinks.</p> <p><b>Learning Objectives:</b> Infer the types of food permitted by Allah (SWT). Specify the types of forbidden things in Islam. Analyze the reasons for forbidding some foods and drinks.</p> <p><b>Resources needed:</b> Board, projector, marker, textbook, Papers, sticky Papers.</p> <p><b>Homework/Assignments:</b> Solve students' activity in textbook</p>
<b>URDU</b>	<b>PAKISTAN STUDIES</b>
<p><b>Topics:</b> ترجمہ</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"> <li>● پیراگراف کے انگریزی معنی کو سمجھنے کے قابل ہو نگے</li> <li>● ترجمہ میں تسلسل اور موزوں الفاظ کا استعمال کرنا۔</li> <li>● ترجمہ کرنے کے نکات کو سمجھ کر انگریزی میں دئے پیراگراف کا اردو میں ترجمہ کریں 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 208-210 -197-189</li> <li>● کلاس ٹیسٹ</li> </ul>	<p><b>Topics:</b> Agricultural Products of Pakistan: Wheat, Cotton, Rice</p> <p><b>Learning Objectives:</b></p> <ol style="list-style-type: none"> <li>1. Identify the key features and significance of wheat cultivation in Pakistan.</li> <li>2. Analyze the (Pakistan) regions and requirements for wheat cultivation.</li> <li>3. Understand the cultivation and production processes of rice and cotton.</li> <li>4. Identify the geographical requirements for successful rice and cotton cultivation.</li> </ol> <p><b>Resources needed:</b> Map of Pakistan, photos of different crops and PPT</p> <p><b>Homework/Assignments:</b> write a short paragraph on the impact of climate change on rice and cotton cultivation in Pakistan</p>
<b>ICT</b>	<b>TRAVEL AND TOURISM</b>
<p><b>Topics:</b> Theory: Chapter 4 networks- Cloud computing and Authentication Method</p>	<p><b>Topics:</b> Customer complaints</p>

Practical- database (MS Access)

**Learning Objectives:**

**Cloud Computing:**

- Define cloud computing
- Distinguish cloud computing with its advantages and disadvantages over secondary storage devices

**Authentication Methods:**

- Identify and describe different authentication methods
- Differentiate the authentication methods according to their characteristics.

**Database:**

- Able to design a query with criteria on database

**Resources needed:**

Text book, Notebooks, MS Access

**Homework/Assignments:**

Design a poster for authentication methods.

**Learning Objectives:**

To explain procedures to deal with customer complaints

Resources needed:

Data response questions

Text book

**Homework/Assignments:**

To prepare a chart showing various procedures

To deal with customer complaints.

**ACCOUNTING**

**Topics:**

Financial Statement of a soletrader

**Learning Objectives:**

To formulate income statement of a sole trader

**Resources needed:**

PPT, Task sheet, Kahoot, Videos

**Homework/Assignments:**

To be assigned through teams

**BUSINESS STUDIES**

**Topics:** \_Communication

**Learning Objectives:**

To define communication.

To explain different methods of communication

To differentiate different methods of communication

**Resources needed:**

Text book.

Case studies

**Homework/Assignments:**

Prepare a poster showing different methods of communication.

**ECONOMICS**

**Topics:** Size of Firm and Integration of firms

**Learning Objectives:**

- Identify and enumerate the factors that determine the size of a firm.
- Discuss the significance of each factor in influencing the size of a firm.

**UAE ARABIC**

**Topics:**

الدرس الأول سكان الوطن العربي

**Learning Objectives:**

يستنتج خصائص سكان الوطن العربي

العوامل المؤثرة في نمو السكان و زيادة السكان بالوطن العربي

قراءة الجداول الخرائط

**Resources needed:**

<ul style="list-style-type: none"> <li>Recognize the interplay between internal and external factors in determining firm size.</li> <li>Analyse the types of integration and it's impact</li> </ul> <p><b>Resources needed:</b> Video, worksheet</p> <p><b>Homework/Assignments:</b> Complete assignment given on Microsoft teams</p>	<p>أنشطة صفية</p> <p>البوابة الإلكترونية الكتاب المدرسي بوربوينت</p> <p><b>Homework/Assignments:</b> وضح العوامل المؤثرة في نمو السكان</p>
<b>MORAL SOCIAL CULTURAL STUDIES</b>	<b>ISLAMIC ARABIC</b>
<p><b>Topics:</b> The British Maritime System and National Identity</p> <p><b>Learning Objectives:</b> Examine the historical context of the UAE's earlier designation as the Trucial States, exploring the agreements with the British for protection and stability, and understanding the geographic reference as the "Coast of Oman.</p> <p><b>Resources needed:</b> PPTS Videos Textbook Map Worksheets</p> <p><b>Homework/Assignments:</b> How did the 1820 General Maritime Treaty influence British control, pearling industry, trade expansion, and tribal relations, contributing to the shaping of the modern UAE state?</p>	<p><b>Topics:</b> مَا يَحِلُّ وَ مَا يَحْرَمُ مِنَ الطَّعَامِ وَ الشَّرَابِ</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"> <li>أضرب أمثله على انواع الاطعمة التي أحلها الله تعالى</li> <li>يستنتج قواعد إباحتها تحليل او تحريم الاطعمة</li> <li>يستنبط شروط الصيد</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>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>