

AL AIN JUNIORS SCHOOL- BRITISH SYSTEM  
LEARNING TRAILS

AY 2023-24: Term 2\_Week 8 (19<sup>th</sup> to 23<sup>rd</sup> February 2024)

GRADE 9

| ENGLISH   | MATHEMATICS  |
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| <p><b>Topics:</b><br/>Article writing<br/>GL focus: punctuation<br/>Weekly test</p> <p><b>Learning Objectives:</b><br/>Write an article<br/>Punctuate well<br/>Use figures of speech</p> <p><b>Resources needed:</b><br/>Ppt<br/>Video<br/>Audio<br/>Worksheet</p> <p><b>Homework/Assignments:</b><br/>Task sheet on figures of speech</p>  | <p><b>Topics:</b><br/>Geometry</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>• Understand the fundamental results of angles, including vertically opposite angles, angles on a straight line, and angles around a point.</li><li>• Identify the exterior and interior angles of polygons.</li><li>• Determine the number of sides of a polygon.</li><li>• Apply circle theorems, such as the fact that tangents from an external point are equal in length.</li></ul> <p><b>Resources needed:</b><br/><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> أغنية حب للكلمات</p> <p><b>Learning Objectives:</b><br/>أن يبين المتعلم المعنى الإجمالي للنصوص الشعرية موضحا علاقة الفكر بعضها ببعض مفسرا مفرداتها من خلال السياق أن يحلل المتعلم النص الشعري تحليلا فكريا موضحا دور الخيال والمحسنات اللفظية في إيجاد التأثير في النص الشعري</p> <p><b>Resources needed:</b> - الكتاب المدرسي - العرض التقديمي - منصة ألف</p> <p><b>Homework/Assignments:</b> حل التمرينات في منصة ألف</p> | <p><b>Topics:</b></p> <p><b>Learning Objectives:</b></p> <p><b>Resources needed:</b></p> <p><b>Homework/Assignments:</b></p>   |

| PHYSICS  | BIOLOGY  |
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| <p><b>Topics:</b> Transfer of thermal energy</p> <p><b>Learning Objectives:</b><br/>Know that thermal energy is transferred from a region of higher temperature to a region of lower temperature</p> <p><b>Resources needed:</b><br/>Ppt, videos, past paper</p> <p><b>Homework/Assignments:</b><br/>Assignments</p>   | <p><b>Topics:</b> Transport in plants</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"> <li>• State the functions of xylem and phloem: (a) xylem transport of water and mineral ions, and support (b) phloem – transport of sucrose and amino acids</li> <li>• Relate the structure of xylem vessels to their function</li> </ul> <p><b>Resources needed:</b><br/>Textbook, PPT</p> <p><b>Homework/Assignments:</b><br/>Past paper question</p>  |
| CHEMISTRY  | ENVIRONMENTAL MANAGEMENT   |
| <p><b>Topics:</b> Acids, Bases and Salts</p> <p><b>Learning Objectives:</b><br/>Describe the characteristic properties of acids in terms of their reactions with: (a) metals (b) bases (c) carbonates<br/>Describe acids in terms of their effect on: (a) litmus (b) thymolphthalein (c) methyl orange<br/>State that bases are oxides or hydroxides of metals and that alkalis are soluble bases<br/>Describe the characteristic properties of bases in terms of their reactions with: (a) acids (b) ammonium salts<br/>Describe alkalis in terms of their effect on: (a) litmus (b) thymolphthalein (c) methyl orange<br/>State that aqueous solutions of acids contain H<sup>+</sup> ions and aqueous solutions of alkalis contain OH<sup>-</sup> ions</p> <p><b>Resources needed:</b><br/>Periodic Table, Textbook and workbook</p> <p><b>Homework/Assignments:</b> <i>Daily Questions, Weekly Assignment and Past Paper Questions</i></p> | <p><b>Topics:</b> The technologies and viability of alternative energy sources.</p> <p><b>Learning Objectives:</b><br/>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.<br/>describe how each of these energy resources is used to generate electricity<br/>describe the environmental, economic and social advantages and disadvantages of each of these energy resources</p> <p><b>Resources needed:</b><br/>0680 past examination papers:<br/>Jun 2013 Paper 11 Q 5(b)<br/>Jun 2013 Paper 41 Q 2(a)(e)<br/>Nov 2013 Paper 21 Q 2(d)</p> <p><b>Homework/Assignments:</b><br/>Research on Why has the uptake of alternatives been so slow?<br/>Present your research outcome in the class.</p> |

| ISLAMIYAT   | ISLAMIC STUDIES   |
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| <p><b>Topics:</b> Khalifah Omar and Uthman R.A</p> <p><b>Learning Objectives:</b><br/>Describe the life of Hazrat Omar R.A.<br/>Discuss the ruling of Omar R.A as role model for new era.</p> <p><b>Resources needed:</b><br/>Board, projector, marker, textbook</p> <p><b>Homework/Assignments:</b><br/><i>Solve past papers 2020 May-June</i></p>   | <p><b>Topics:</b> Surah Al Waqia</p> <p><b>Learning Objectives:</b><br/>Explain the meaning of the Quranic verses.<br/><br/>Discuss the theme and reason of revelation of the Quranic verses.</p> <p><b>Resources needed:</b> Board, projector, marker, textbook</p> <p><b>Homework/Assignments:</b> Solve students' activity in textbook</p>   |
| URDU  | PAKISTAN STUDIES  |
| <p><b>Topics:</b><br/>پیراگراف کے ترجمہ خالی جگہ پر کریں Translation</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"> <li>• پیراگراف کے انگریزی معنی کو سمجھنے کے قابل بنے</li> <li>• ترجمہ میں تسلسل اور موزوں الفاظ کا استعمال کرنا۔</li> <li>• لغت کا استعمال</li> <li>• ترجمہ کرنے کے نکات کو سمجھ کر انگریزی میں دئے پیراگراف کا اردو میں ترجمہ کریں گے۔</li> <li>• عبارت مکمل 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: 187-211-206-211</li> <li>• کلاس ٹیسٹ</li> </ul> | <p><b>Topics:</b> Factors affecting production</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"> <li>• Explain how natural factors, including climatic requirements, and human factors affect the production of specified crops under the cash-crop farming system.</li> <li>• Explain how natural and human factors affect livestock farming on small-scale subsistence farms and the keeping of specified animals on nomadic or semi-nomadic basis including transhumance.</li> <li>• Describe the different types of irrigation and explain the advantages and disadvantages of each for small-scale subsistence farming, and for the growing of cotton, rice, sugar cane and wheat</li> </ul> <p><b>Resources needed:</b> Book, notebook, handouts.</p> |
| ICT   | TRAVEL AND TOURISM  |
| <p><b>Topics:</b><br/>Chapter 5-Effects of ICT<br/>5.2 Autonomous Vehicles<br/>Chapter 18-Database</p> <p><b>Learning Objectives:</b><br/>Describe the uses of microprocessors in transport systems</p>   | <p><b>Topics:</b><br/>Travel and tourism products</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"> <li>• To analyse how can various travel and tourism products can be sold with efficiency</li> </ul> <p><b>Resources needed:</b><br/>Textbook</p>  |

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| <p>Design a query by using different criteria</p> <p><b>Resources needed:</b><br/>MS Access, Textbook, Notebook</p> <p><b>Homework/Assignments:</b><br/><i>Lab Class Test will be conducted during the ICT lab period. Practice the past paper which uploaded as an assignment on MS Teams.</i></p>  | <p>Case studies</p> <p><b>Homework/Assignments:</b><br/>Solve end of chapter questions.</p>  |
| <b>ACCOUNTING</b>  | <b>BUSINESS STUDIES</b>  |
| <p><b>Topics:</b> Partnership Accounting</p> <p><b>Learning Objectives:</b> To formulate Appropriation account and current account</p> <p><b>Resources needed:</b><br/>_ Topical questions<br/>PPT<br/>Task Sheets</p> <p><b>Homework/Assignments:</b> Topical questions</p>   | <p><b>Topics:</b> Objectives of business</p> <p><b>Learning Objectives:</b><br/>To analyze the various objectives of business.</p> <p><b>Resources needed:</b><br/>Textbook<br/>Case studies.</p> <p><b>Homework/Assignments:</b><br/>Solve end of chapter questions.</p>        |
| <b>ECONOMICS</b>   | <b>UAE ARABIC</b>  |
| <p><b>Topics:</b> Economies and diseconomies of scale</p> <p><b>Learning Objectives:</b><br/>Define Economies and diseconomies of scale<br/>Enumerate the factors of Economies and diseconomies of scale<br/>Differentiate Between Economies and diseconomies of scale</p> <p><b>Resources needed:</b> Economies and diseconomies of scale</p> <p><b>Homework/Assignments:</b> Watching a video and writing a summary based on it.</p> | <p><b>Topics:</b><br/>سكان الوطن العربي</p> <p><b>Learning Objectives:</b><br/>ثانياً تركيب السكان و توزيعهم<br/>حل الأنشطة بالكتاب المدرسي</p> <p><b>Resources needed:</b><br/>بوربوينت<br/>الكتاب المدرسي<br/>منصة الف</p> <p><b>Homework/Assignments:</b></p>                 |
| <b>MORAL SOCIAL CULTURAL STUDIES</b>   | <b>ISLAMIC ARABIC</b>  |
| <p><b>Topics:</b><br/>Shaikh Zayed and UAE</p> <p><b>Learning Objectives:</b><br/>To explore the legacy of Shaikh Zayed in shaping the UAE, emphasizing his leadership, vision for development, and nation-building initiatives.</p>   | <p><b>Topics:</b><br/>26 – 1 (سورة الواقعة)</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"> <li>• يُسمع الطلاب الايات القرآنية مطبقاً لأحكام القرآن</li> <li>• يوضح الطلاب المعنى الاجمالي للآيات</li> <li>• يدلل على مظاهر قدرة الله تعالى</li> </ul> |

**Resources needed:**

PPTS  
Videos  
Textbook

**Homework/Assignments:**

Research and find out about the early life of Shaikh  
Zayed

**Resources needed:**

الكتاب المدرسي  
البوربوينت  
منصة ألف  
أنشطة صفية

**Homework/Assignments:**

حل أنشطة الطالب بالكتاب المدرسي  
حل منصة ألف  
مراجعة البوربوينت للدرس