

AL AIN JUNIORS SCHOOL- BRITISH SYSTEM  
LEARNING TRAILS

AY 2024-25: Term 1\_Week 1 (26<sup>th</sup> to 30<sup>th</sup> August 2024)

GRADE 12

MATHEMATICS	IT
<p><b><u>Topics:</u></b> WoW Address Research based learning. Strategies to apply for preparation Board exam. Advance skill questios for Extra practice.</p> <p><b><u>Learning Objectives:</u></b> Trigonometry, To be able to sketch the trigonometric Ratios Graph To be able to solve the trigonometric equations.</p> <p><b><u>Resources needed:</u></b></p> <p><b><u>Homework/Assignments:</u></b></p>	<p><b><u>Topics:</u></b> Welcome and Course Introduction. Overview of the Syllabus. Introduction to Practical Software/Tools. Introduce the software or tools that will be used throughout the course. Hands-On Practical Session.</p> <p><b><u>Learning Objectives:</u></b> Welcome students to Grade 12. Introduce the teacher and establish classroom expectations. Provide a detailed walkthrough of the course syllabus. Highlight key topics, learning outcomes, and important dates. Address any questions or concerns students might have about the syllabus. Present each software/tool, its purpose, and applications within the course. Allow students to gain initial hands-on experience with the introduced software/tools.</p> <p><b><u>Resources needed:</u></b> Example files / templates. Assessment structure handouts.</p> <p><b><u>Homework/Assignments:</u></b> Install the required softwares in learner’s home pc.</p>

ADVANCED ARABIC	GENERAL ARABIC
<p><b>Topics:</b> <u>أسبوع الأنشطة والترحيب بالطلاب</u></p> <p><b>Learning Objectives:</b> <u>أن يتذكر الطلاب أهم القواعد النحوية</u> <u>أن يتعرف الطلاب على قوانين الصف</u> <u>أن يتعرف الطلاب على المنهج الدراسي</u></p> <p><b>Resources needed:</b> <u>العرض التقديمي - أوراق عمل - السبورة الذكية</u></p> <p><b>Homework/Assignments:</b> <u>ورقة نشاط يكتب فيها الطالب فقرة عن أهمية الإجازة</u></p>	<p><b>Topics:</b> <u>أسبوع الأنشطة والترحيب بالطلاب</u></p> <p><b>Learning Objectives:</b> <u>أن يتذكر الطلاب أهم القواعد النحوية</u> <u>أن يتعرف الطلاب على قوانين الصف</u> <u>أن يتعرف الطلاب على المنهج الدراسي</u></p> <p><b>Resources needed:</b> <u>العرض التقديمي - أوراق عمل - السبورة الذكية</u></p> <p><b>Homework/Assignments:</b> <u>ورقة نشاط يكتب فيها الطالب فقرة عن أهمية الإجازة</u></p>
PHYSICS	BIOLOGY
<p><b>Topics:</b> Welcome week activities – Brain teasers , subject orientation Circular Motion</p> <p><b>Learning Objectives:</b> <b>Should be able to</b></p> <p>Strengthen problem solving and critical thinking skills</p> <p>Define one radian, angular displacement and angular speed.</p> <p>Solve problems by applying the concepts and equations.</p> <p><b>Resources needed:</b> Smart board panel, PPT, A4 paper.</p> <p><b>Homework/Assignments:</b> <i>Refer to syllabus 9702 and Revise concepts learned in AS and IGCSE that are required for A level.</i></p>	<p><b>Topics:</b> WOW Week activities – Optical illusion games ,Brainteasers &amp; 9700 subject specific discussion</p> <p><b>Learning Objectives:</b></p> <p>Should be able to establish classroom expectations ,To assess students' subject knowledge ,strengthen teacher and peer relations To introduce the syllabus, assessment objectives ,class room expectations , and topics to be covered.</p> <p>To establish personal and academic goals for the school year</p> <p><b>Resources needed:</b> Syllabus ,A4 size paper , WOW activity sheet, Text book , smart board ,PPT</p> <p><b>Homework/Assignments:</b> Refer 9700 A Level Syllabus ,Read text book topic 12</p> <p><b>Resources needed:</b></p>

	<u>Homework/Assignments:</u>
ISLAMIC ARABIC	ISLAMIC EDUCATION
<p><b><u>Topics:</u></b>            لإلقاء نظره عامة على منهج التربية WOW سيتم إجراء أنشطة أسبوع الإسلامية</p> <p><b><u>Learning Objectives:</u></b>            سيتمكن الطلاب من ربط المادة بالحياة الواقعية            زيادة الثقة بين الطلاب وبعضهم ومعلم المادة</p> <p><b><u>Resources needed:</u></b>            بوربوينت            أنشطة تعليمية            شاشة العرض</p> <p><b><u>Homework/Assignments:</u></b>            مراجعة أحكام التجويد</p>	<p><b><u>Topics:</u></b>            Week of Welcome            WOW activities            Classroom Rules</p> <p><b><u>Learning Objectives:</u></b>            Students will recall previous Tajweed rules            Students will learn the rules of the class            Students will learn the curriculum</p> <p><b><u>Resources needed:</u></b>  <a href="https://muqith.wordpress.com/">https://muqith.wordpress.com/</a></p> <p><b><u>Homework/Assignments:</u></b>            An activity sheet in which the student writes about the most important religious occasions in a Muslim's life.</p>
CHEMISTRY	ACCOUNTING
<p><b><u>Topics:</u></b>            23 Chemical energetics</p> <p><b><u>Learning Objectives:</u></b>            define and use the terms:            1 (a) enthalpy change of atomization, <math>\Delta H_{at}</math>            (b) lattice energy, <math>\Delta H_{latt}</math> (the change from gas phase ions to solid lattice.            2 (a) define and use the term first electron affinity, EA            (b) explain the factors affecting the electron affinities of elements</p> <p><b><u>Resources needed:</u></b>            Textbook, khan academy, chem guide.com, worksheets,  <a href="https://www.youtube.com/watch?v=KnnOCYAla18&amp;ab_channel=ChemistryGu">https://www.youtube.com/watch?v=KnnOCYAla18&amp;ab_channel=ChemistryGu</a></p> <p><b><u>Homework/Assignments:</u></b></p>	<p><b><u>Topics:</u></b>            WOW week</p> <p><b><u>Learning Objectives:</u></b>            To develop and enhance teamwork skills by fostering collaboration, communication, and mutual support within a group setting.            To familiarise students with classroom rules and school behaviour contract            To orient students on A level curriculum with focus on Term 1            To orient students on ACCA as a career choice            To set targets and goals for TERM 1</p> <p><b><u>Resources needed:</u></b>            Student Behaviour contract            Class room rules            Syllabus            Student Interest Inventory            ACCA-Powerpoint</p> <p><b><u>Homework/Assignments:</u></b>            Prepare a report on The 'Big 4' in the accounting world</p>

## BUSINESS

### Topics:

**WOW Week**

### Learning Objectives:

To demonstrate respect for the classroom environment by adhering to the established rules and actively participating in discussions regarding potential changes in expectations.

To assess students' comfort levels with the new environment, their peers, and the material being presented.

To introduce the syllabus, course objectives, and key topics to be covered throughout the year.

To establish personal and academic goals for the school year.

### Resources needed:

Syllabus document.

Specimen answer booklet

### Homework/Assignments:

Solve a case study to recall the basic concept.