

AL AIN JUNIORS SCHOOL- BRITISH SYSTEM

LEARNING TRAILS

AY 2023-24: TERM 1_WEEK 5 (25th TO 29th SEPTEMBER 2023)

GRADE 12

MATHEMATICS	IT
<p>Topics: Algebra</p> <p>Learning Objectives: To be able to express in partial fractions. To be able to apply Remainder and Factor theorem.</p> <p>Resources needed: Sample questions, Past paper questions</p> <p>Homework/Assignments: Topical past paper questions in Teams.</p>	<p>Topics: System life cycle (continued): Development and testing.</p> <ul style="list-style-type: none"> • Test plans • Test data • Alpha and beta testing • White box and black box testing <p>Graphics: Vector graphics & bitmap graphics.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Explain the need for testing and the purpose of a test plan, contents of a test plan. • Describe the types and purpose of test data. • Describe alpha and beta testing. • Differentiate between alpha and beta testing • Describe white box testing and black box testing. • Differentiate between white box testing and black box testing. • Analyze the difference between vector graphics and bitmap graphics. <p>Resources needed: Text book, computer, past papers</p> <p>Homework/Assignments: Solve past paper questions</p>

ADVANCED ARABIC	GENERAL ARABIC
<p>Topics: الجملة الاسمية المبتدأ / أشكال المبتدأ الخبر / أشكال الخبر</p> <p>Learning Objectives: أن يحدد المتعلم أركان الجملة الاسمية أن يعدد المتعلم أشكال المبتدأ والخبر أن يوظف المتعلم أشكال المبتدأ والخبر في جمل مفيدة أن يعرب المتعلم الجمل إعرابا صحيحا</p> <p>Resources needed: الكتاب المدرسي - الدفتر المدرسي - العرض التقديمي - مقاطع فيديو -</p> <p>Homework/Assignments: حل تمارين الدرس</p>	<p>Topics: درس الوطن ، مهارات نحوية</p> <p>Learning Objectives: أن يقرأ الطالب الدرس قراءة جهريّة صحيحة أن يتعرف الطالب على المفردات الجديدة أن يتحدث الطالب عن أهمية الوطن أن يستخرج الطالب المهارات اللغوية والنحوية من الدرس أن يحلل الطالب النص القرآني</p> <p>Resources needed: كتاب الطالب - العرض التقديمي - منصة أرابيتس</p> <p>Homework/Assignments: <u>يجيب الطالب عن أسئلة الدرس من الكتاب</u> <u>أوراق عمل مختلفة</u> <u>يكتب فقرة عن أهمية الوطن</u></p>
PHYSICS	BIOLOGY
<p>Topics: Temperature, Ideal gas.</p> <p>Learning Objectives: Should be able to: Explain terms specific latent heat and apply equations to solve problems. Define mole, Avogadro's constant and ideal gas. List assumptions of kinetic theory of gases. Use ideal gas equation to solve problems.</p> <p>Resources needed: Copy book, calculator and stationery.</p> <p>Homework/Assignments: Topical past paper: Gravitational field</p>	<p>Topics: Homeostasis</p> <p>Learning Objectives: Able to describe the structure of kidneys and their role in excretion and osmoregulation. Explain negative feedback mechanisms Describe how cell signaling is involved in the response of liver cells to adrenaline and glucagon Explain how blood glucose concentration is regulated</p> <p>Resources needed: Text book ,note book stationery, calculator</p> <p>Homework/Assignments: Topical activity sheet –3 Kidney Topical question paper - Feed back mechanism and cell signaling.</p>

ISLAMIC ARABIC	ISLAMIC EDUCATION
<p>Topics: مناهج المفسرين</p> <p>Learning Objectives: أن يوضح المقصود بمناهج المفسرين أن يميز بين مناهج المفسرين أن يحدد التفسير المناسب حسب موضوع البحث أن يقتدي بالعلماء في المنهجية العلمية في حياتهم</p> <p>Resources needed: الكتاب المدرسي بوربوينت أنشطة تعليمية منصة ألف</p> <p>Homework/Assignments:</p> <ul style="list-style-type: none">• حل أنشطة الطالب• حل أسئلة منصة ألف	<p>Topics: Protecting Society Against Moral Crimes: Surah An-Noor</p> <p>Learning Objectives: a. Understand the concept of moral crimes in Islam and their consequences. b. Analyze the teachings of Surah An-Noor regarding the protection of society against moral crimes. c. Apply the principles and guidelines mentioned in Surah An-Noor to address moral challenges in contemporary society.</p> <p>Resources needed: a. Apps and links: Provide access to Quranic apps with Surah An-Noor and related Tafsir (exegesis) to enhance understanding and analysis. b. Online resources: Share reliable websites and articles discussing moral crimes in Islam and the teachings of Surah An-Noor. c. Supplementary readings: Recommend books or articles that provide additional insights into the topic.</p> <p>Homework/Assignments: Solve the students' activities in the textbook</p>

CHEMISTRY	ACCOUNTING
<p>Topics: T24 ELECTROCHEMISTRY</p> <p>Learning Objectives: 24.2 standard cell and electrode potential, SHE, cell voltage calculations.</p> <p>Resources needed: Smart board, past papers, text books</p> <p>Homework/Assignments: Text book questions</p>	<p>Topics: Investment Appraisal</p> <p>Learning Objectives: To analyse capital investment projects based on investment appraisal techniques-ARR, Payback, IRR and NPV-Comprehensive case study to assess the feasibility of proposed projects</p> <p>Resources needed: Accounting AS and A Level by David Hopkins and Harold Randall Task sheets and PPT</p> <p>Homework/Assignments: Topical questions</p>
BUSINESS	ECONOMICS
<p>Topics: 6.2 Business strategy 6.2.1 Developing business strategy</p> <p>Learning Objectives: To analyse the meaning and purpose of business strategy To apply Approaches to develop business strategy, including: – blue ocean strategy – scenario planning – SWOT analysis – PEST analysis – Porter’s five forces – core competence framework – Ansoff matrix – force field analysis – decision trees</p> <p>Resources needed: ISBN:9781108921220 https://en.wikipedia.org/wiki/Blue_Ocean_Strategy https://www.moec.gov.ae/en/regulation-of-competition</p> <p>Homework/Assignments: To what extent is a decision tree the most effective way to decide on business strategies? Justify your view’.</p>	<p>Topics: Private, social cost and benefits</p> <p>Learning Objectives: To analyze the different concepts of cost To distinguish between private benefits and external benefits To evaluate externality and its impact with help of curve</p> <p>Resources needed: A level Previous year’s question papers with solutions</p> <p>Homework/Assignments: Go through the question papers of Year 2023 and analyze the questions that are connected with the topic.</p>



AL AIN JUNIORS SCHOOL



AL AIN JUNIORS SCHOOL
INDIAN SYSTEM



AL AIN JUNIORS SCHOOL
BRITISH SYSTEM



ZAKHER
PRIVATE SCHOOL
British Division



AL AIN JUNIORS
NURSERY



ENGLISH GARDEN
NURSERY

