

AL AIN JUNIORS SCHOOL- BRITISH SYSTEM
LEARNING TRAILS
AY 2023-24: Term 2_Week 3 (15th to 19th January 2024)
GRADE 12

MATHEMATICS	IT
<p><u>Topics:</u> Complex numbers</p> <p><u>Learning Objectives:</u></p> <ul style="list-style-type: none"> • To be able to find the square root of the given complex numbers. • To be able to illustrate the given complex numbers and hence able to find the modulus and argument. • To be able to shade the defining region. <p><u>Resources needed:</u></p> <p>Sample questions.</p> <p><u>Homework/Assignments:</u></p> <p>Topical past paper questions.</p>	<p><u>Topics:</u></p> <p>Network protocols Data transmission methods</p> <p><u>Learning Objectives:</u></p> <ul style="list-style-type: none"> • Identify the purposes and uses of protocols in the preparation, addressing, sending, and receiving of data across networks. • Explain the importance of protocols in ensuring reliable and efficient communication across the internet. • Define and explain the concepts of different data transmission methods, such as wired, wireless, optical, and satellite. • Describe the properties and characteristics of each transmission method, including bandwidth, speed, range, and reliability. • Identify the specific technologies and protocols associated with each transmission method. • List and explain the advantages of wired transmission, such as high speed, reliability, and security. • Compare and contrast different data transmission methods based on their specific use cases and requirements. <p><u>Resources needed:</u> Text book, ppt, video</p>

	Homework/Assignments: Solve past paper questions
ADVANCED ARABIC	GENERAL ARABIC
<p>Topics: (جادك الغيث) الموشحات)</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • أن يبين المتعلم المعنى الإجمالي للنصوص الشعرية موضحا علاقة الفكر بعضها ببعض • أن يحلل المتعلم النصوص في سياقها التاريخي والاجتماعي مستخلصا السمات الفنية لها من خلال ربطها بعصورها الأدبية • ن يتتبع المتعلم الأثر الذي يتركه أسلوب الكاتب واستخدامه لبعض تقنيات البلاغة لايصال الفكرة والتأثير في القارئ <p>Resources needed: الكتاب المدرسي - الدفتر المدرسي - العرض التقديمي - منصة ألف</p> <p>Homework/Assignments: حل تمارين الدرس ص45-48 ، منصة ألف</p>	<p>Topics: الشبكة العنكبوتية</p> <p>Learning Objectives: أن يعرف الطالب معنى الشبكة العنكبوتية أن يقرأ الطالب درس قراءة صحيحة أن يعدد الطالب فوائد الشبكة العنكبوتية أن يستنتج الطالب أهمية الانترنت</p> <p>Resources needed: كتاب الطالب - الدفتر - العرض التقديمي - فيديو عن الشبكة العنكبوتية</p> <p>Homework/Assignments: كتابة فقرة عن فوائد وأضرار الانترنت</p>
PHYSICS	BIOLOGY
<p>Topics: Quantum physics</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Should be able to: • Recall and apply DE Broglie wavelength equation, describe wave nature of particles using electron diffraction and line emission and absorption spectra. <p>Resources needed: Copy book, smart board, calculator, stationery</p> <p>Homework/Assignments: Topical past paper questions</p>	<p>Topics: Selection and evolution</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Students should be able to describe and differentiate between continuous and discontinuous variation. • Explain how environment may affect phenotype • Explain the importance of variation as the basis for natural selection and artificial selection <p>Resources needed: Note book, stationary, graph paper, calculator, smart board</p> <p>Homework/Assignments: Topical questions from past papers and activity sheet</p>

ISLAMIC ARABIC	ISLAMIC EDUCATION
<p>Topics: درس التواصل الإجتماعي سلوك وآداب</p> <p>Learning Objectives: أن يتلو الطالب الآيات الكريمة تلاوة صحيحة موجودة أن يفسر الآيات تفسيراً إجمالياً مع معانيها أن ويستنتج بعض دلالات الآيات وأوضح المواقف الواردة</p> <p>Resources needed: الكتاب المدرسي البوربوينت منصة ألف</p> <p>Homework/Assignments: حل أنشطة الطالب بالكتاب المدرسي حفظ الآيات الكريمة ومعاني الكلمات</p>	<p>Topics: Surah Al Noor</p> <p>Learning Objectives: Explain the meaning of the Quranic Ayah Discuss the story of the Quranic ayah.</p> <p>Resources needed: Book, PPT Student's activities Revision of power point. Muqitweb.com</p> <p>Homework/Assignments: Solve students' activities in textbook</p>
CHEMISTRY	ACCOUNTING
<p>Topics: Topic 29 Introduction to Al organic</p> <p>Learning Objectives: Shape of benzene, optical isomerism</p> <p>Resources needed: Smart boards, textbook</p> <p>Homework/Assignments: End of chapter questions</p>	<p>Topics: Business Purchase</p> <p>Learning Objectives: To prepare statements of profit or loss and statements of financial position for the newly formed business entity following the acquisition or merger, for example the limited company acquiring the partnership</p> <p>Resources needed: Task Sheets Video</p> <p>Homework/Assignments: Topical questions</p>
BUSINESS	ECONOMICS
<p>Topics: Marketing strategy</p> <p>Learning Objectives: To apply strategies to enter foreign market</p>	<p>Topics: Equilibrium employment and unemployment</p> <p>Learning Objectives: To understand the meaning of unemployment To distinguish between voluntary and involuntary</p>

Resources needed:

Text book
Case studies

Homework/Assignments:

Solving data response questions

unemployment

To analyze the natural rate of unemployment

To evaluate the unemployment pattern throughout the world

Resources needed:

Economics by Peter smith

Homework/Assignments:

Find solutions to the questions given at the end of the chapter, pen down and submit it.