

AL AIN JUNIORS SCHOOL- BRITISH SYSTEM
LEARNING TRAILS

AY 2023-24: Term 2_Week 3 (15th to 19th January 2024)

GRADE 10

ENGLISH	MATHEMATICS
<p>Topics: Active and Passive Voice</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">Distinguish between active and passive voice in sentences.Understand why active or passive voice is appropriate to use in certain contexts.Create sentences in the active and passive voice. <p>Resources needed: Notebooks, PPT smart board</p> <p>Homework/Assignments: Practice given exercises</p>	<p>Topics: Statistics</p> <p>Learning Objectives: Construct a scatter graph and draw a line of best fit. Calculate the mode, median, mean for individual and discrete data. Calculate an estimate of the mean for grouped and continuous data. Identify the modal class from a grouped frequency distribution.</p> <p>Resources needed: Textbook, graph book, geometry box, calculator.</p> <p>Homework/Assignments: Daily practice Questions, past paper, weekly test.</p>
ADVANCED ARABIC	GENERAL ARABIC
<p>Topics:</p> <ul style="list-style-type: none">قصة زعفران وزنجبيل <p>Learning Objectives:</p> <ul style="list-style-type: none">أن يحلل الطالب علاقة الزمان والمكان بفكرة القصة القصيرة وتأثيرها في تطوير الحكمةأن يذكر رأيه في الشخصيات والأحداث موضحاً رأيه فيها معلاً ذلك بالأدلة من القصةأن يتتبع السرد والوصف والحوار في القصة موضحاً وظائفها <p>Resources needed: الكتاب المدرسي - البوربوينت - أنشطة تعليمية صافية</p> <p>Homework/Assignments: حل أسئلة منصة ألف</p>	<p>Topics: القيادة المتهورة</p> <p>Learning Objectives: أن يتعرف الطالب المفردات الجديدة أن يذكر الطالب عناصر القصة أن يتحدث الطالب عن الشخصية الرئيسية والفرعية أن يجيب الطالب عن الأسئلة</p> <p>Resources needed: الكتاب المدرسي _ بوربوينت _ أنشطة تعليمية صافية</p> <p>Homework/Assignments: أن يكتب الطالب عن القيادة المتهورة وتأثيرها على حياة الأفراد</p>

PHYSICS	BIOLOGY
<p>Topics: Isotopes Nuclear fission Nuclear fusion Radioactivity</p> <p>Learning Objectives: Explain nuclear fission and fusion Explain background radiation</p> <p>Resources needed: Workbook Past paper booklet</p> <p>Homework/Assignments: Exercise 19A,19B,19C,20A</p>	<p>Topics: Unit-17: Inheritance Cell division, Monohybrid inheritance</p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> 1. Describe mitosis and meiosis and state the role of them 2. Describe stem cells as unspecialised cells that divide by mitosis to produce daughter cells that can become specialised for specific functions. 3. Use genetic diagrams to predict the results of monohybrid crosses and calculate phenotypic ratios, limited to 1 : 1 and 3: 1 ratios 4. Explain how to use a test cross to identify an unknown genotype 5. Interpret pedigree diagrams for the inheritance of a given characteristic <p>Resources needed: Textbook, Past papers, Task sheets, Topic questions.</p> <p>Homework/Assignments: Solve paper 42 of May June 2020.</p>
ISLAMIC ARABIC	ISLAMIC EDUCATION
<p>Topics: درس صاحب الجنتين سورة الكهف</p> <p>Learning Objectives: أن يتلو الطالب الآيات الكريمة تلاوة صحيحة مجودة 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: Owner of the Two Garden</p> <p>Learning Objectives: Explain the meanings of the Quranic Ayah Discuss the story of the people of the Garden.</p> <p>Resources needed: Book, PPT Student's activities Revision of power point. Muqitweb.com</p>

	<u>Homework/Assignments:</u> Solve students' activities in textbook
CHEMISTRY	ICT
<p><u>Topics:</u> Organic Chemistry</p> <p><u>Learning Objectives:</u> Describe the manufacture of alkenes. Describe the reasons for the cracking of larger alkane molecules. Describe the test to distinguish between saturated and unsaturated hydrocarbons. Describe the properties of alkenes in terms of addition reactions. Describe the manufacture of ethanol. Describe the combustion and uses of ethanol. Describe the advantages and disadvantages of the manufacture of ethanol.</p> <p><u>Resources needed:</u> Textbook, Workbook, Periodic Table, PPT, Video</p> <p><u>Homework/Assignments:</u> <i>Daily Questions, Weekly assignment, Past paper questions</i></p>	<p><u>Topics:</u> COMMUNICATION</p> <p><u>Learning Objectives:</u> Identify communication Constraints when using emails Describe the laws for cyber security</p> <p><u>Resources needed:</u> Textbook, PPTs, flipped classroom</p> <p><u>Homework/Assignments</u> Past paper questions.</p>
ACCOUNTING	BUSINESS STUDIES
<p><u>Topics:</u> Revision – Financial statements</p> <p><u>Learning Objectives:</u> To recap the formulation of financial statements of sole trader – Income statement and statement of financial position</p> <p><u>Resources needed:</u> Task sheets Formats</p> <p><u>Homework/Assignments:</u> Topical questions –Past paper</p>	<p><u>Topics:</u> Financial statements</p> <p><u>Learning Objectives:</u> To prepare financial statement</p> <p><u>Resources needed:</u> Text book Format of Income statements Data response questions</p> <p><u>Homework/Assignments:</u> Prepare an Income statement from the given question figures</p>

ECONOMICS

Topics: Exchange rate

Learning Objectives:

Define foreign exchange rates and their determination.

Analyze factors affecting exchange rates.

Examine the impact of trade barriers on economies.

Resources needed:

IGCSE text book by Susan Grant

Past paper

Homework/Assignments: Topical questions from Past paper