

AL AIN JUNIORS SCHOOL- BRITISH SYSTEM

LEARNING TRAILS

AY 2023-24: Term 2_Week 5 (29th to 2nd February 2024)

GRADE 10

ENGLISH	MATHEMATICS
<p>Topics: Reading, Writing, Speaking</p> <p>Learning Objectives: Students will be able to understand different text types in the exam. They will also be able to practice and learn other skills such as reading and speaking to get good grades in their final exams.</p> <p>Resources needed: Notebooks, printed worksheets, chart papers, past papers etc.</p> <p>Homework/Assignments: Based on the topic if required.</p>	<p>Topics: Probability</p> <p>Learning Objectives: Calculate the probability of a single event as either a fraction, decimal or percentage. Understand relative frequency as an estimate of probability and expected frequency of occurrences. Calculate the probability of simple combined events. Calculate the probability using tree diagrams. Calculate the probability using Venn diagrams.</p> <p>Resources needed: Text book, notebook, dice, calculator</p> <p>Homework/Assignments: Homework, weekly class test, past papers, daily practice questions</p>
ADVANCED ARABIC	GENERAL ARABIC
<p>Topics: قصة الكرتونة</p> <p>Learning Objectives: أن يوظف الطالب المفردات الجديدة في جمل من إنشائه أن يحلل الطالب علاقة الزمان والمكان بفكرة القصة القصيرة وتأثيرها في تطوير الحكمة. أن يحلل الطالب تطور الفكرة الرئيسية ووجهة النظر في النص</p> <p>Resources needed: كتاب الطالب - الدفتر - العرض التقديمي - منصة ألف</p> <p>Homework/Assignments: يجيب عن أسئلة الدرس من منصة ألف</p>	<p>Topics: المثلث الخطر</p> <p>Learning Objectives: أن يتعرف الطالب المفردات الجديدة أن يحدد الطالب شخصيات القصة أن يذكر الطالب المشكلة التي تعرضها القصة أن يجيب الطالب عن الأسئلة</p> <p>Resources needed: الكتاب المدرسي _ بوربوينت _ أنشطة صفية إلكترونية</p> <p>Homework/Assignments: أن يكتب الطالب فقرة عن تأثير الفقر على المجتمعات والحلول المقترحة لمعالجة تلك المشكلة</p>
PHYSICS	BIOLOGY
<p>Topics: Calculation of density-Practical</p>	<p>Topics: 19 Organisms and their environment</p>

<p>Stretching of spring –Practical Solar system</p> <p>Learning Objectives: Investigate the stretching of a spring and calculate spring constant Investigate the behavior of rubber band of different width Investigate the density of an unknown material Explain Solar system</p> <p>Resources needed: Lab resources Notebook Paper 6 booklet</p> <p>Homework/Assignments: Will be posted in class group Daily Questions from different chapters Past paper questions from 2016-2020</p>	<p>Energy flow Food chain and food web</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> Describe the flow of energy through living organisms Describe a food web as a network of interconnected food chains Construct and interpret simple food chains Use food chains and food webs to describe the impact humans have through overharvesting of food species and through introducing foreign species to a habitat describe and interpret pyramids of numbers and pyramids of biomass <p>Resources needed: Text book, presentation, online tools.</p> <p>Homework/Assignments: Practice Paper 62 Oct Nov 2019 and bring for correction.</p>
ISLAMIC ARABIC	ISLAMIC EDUCATION
<p>Topics: آداب اللباس</p> <p>Learning Objectives: أن يوضح الطلاب أهمية اللباس أن يميز الطلاب بين ما يحل من اللباس والزينة لكل من الرجل والمرأة</p> <p>Resources needed: الكتاب المدرسي بوربوينت أنشطة تعليمية منصة ألف</p> <p>Homework/Assignments: حل أنشطة الطالب حل أسئلة منصة ألف</p>	<p>Topics: Islamic Dress Code</p> <p>Learning Objectives: The Importance of Clothes for Human Beings What's Permissible for Dressing & Adornment for Both Men and Women</p> <p>Resources needed: Board, projector, marker, textbook</p> <p>Homework/Assignments: Solve students' activity in the textbook.</p>
CHEMISTRY	ICT
<p>Topics: Stoichiometry</p> <p>Learning Objectives: State that the mole, mol, is the unit of amount of</p>	<p>Topics: Intranet and Extranet: Web Authoring:</p> <p>Learning Objectives:</p>

substance and that one mole contains 6.02×10^{23} particles, e.g. atoms, ions, molecules; this number is the Avogadro constant.

Use the relationship $n=m/M_r$ to calculate
 (a) amount of substance (b) mass (c) molar mass
 (d) relative atomic mass or relative molecular/formula mass (e) number of particles, using the value of the Avogadro constant.
 Use the molar gas volume, taken as 24dm^3 at room temperature and pressure, r.t.p., in calculations involving gases
 Use experimental data from a titration to calculate the moles of solute, or the concentration or volume of a solution

Resources needed:

The Periodic Table, Calculator, textbook and workbook

Homework/Assignments:

Daily Questions, Weekly Assignments, Past paper Questions

Intranet and Extranet:

- Describe the terms intranet and extranet
- Differentiate between intranet, extranet and internet
- Analyse the advantages of intranet rather than internet

Web Authoring:

- Describe content layer, presentation layer and behavior layer
- Analyze the content and presentation layer by tracking the errors.
- Design a webpage with tables and pictures
- Create a stylesheet
- Apply the stylesheet to webpage

Resources needed:

Textbook, Notebook, Microsoft Expressions

Homework/Assignments:

Answer past paper June 2022

ACCOUNTING

Topics:

Correction of errors

Learning Objectives:

To analyse errors and pass rectification entries
 To formulate suspense account
 To calculate the corrected profit

Resources needed:

PPT, Kahoot, Video, Task sheets

Homework/Assignments:

To be assigned through Teams

BUSINESS STUDIES

Topics:

Cashflow forecast statements

Learning Objectives:

To construct cashflow forecast statements.
 To evaluate various strategies to improve cashflow forecasts.

Resources needed:

Formats of cashflow forecasts.
 Case studies.


Homework/Assignments:

Make a report on the most interesting cashflow forecast released by UAE

ECONOMICS

Topics: Cost-Benefit Analysis

- **Learning Objectives:**
- Define and be familiar the concept of cost-benefit analysis (CBA).
- Recognize the importance of CBA in evaluating choices.
- Define, identify and categorize different types of costs in production.

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- Analyse the relationship between costs and benefits in the production process.
 - Describe how cost-benefit analysis contributes to efficient resource allocation.
 - Define advertising and understand its role in marketing.
 - Identify various types of advertising methods and channels and analyze the purpose and impact of advertising on consumer behaviour.

Resources needed: Power point presentation, Activity sheet

Homework/Assignments: Create an advertisement and post it on Microsoft teams