



LEARNING TRAILS AY 2024-25

GRADE: 10

TERM 1_WEEK 11 (4th November to 8th November 2024)

ENGLISH	MATHEMATICS
<p>Topics: Reading & Writing</p> <p>Learning Objectives: 1. demonstrate understanding of specific factual information Resources needed. 2. use appropriate register and style for the given purpose and audience</p> <p>Resources needed: Past papers booklet</p> <p>Homework/Assignments:</p>	<p>Topics: Mensuration, Symmetry</p> <p>Learning Objectives: To be able to find the surface area of 3D shapes To know how Draw the lines of symmetry on a 2D shape. Recognize shapes with rotational and plane symmetry.</p> <p>Resources needed: Textbook, Calculator, ATS questions sheet, past papers.</p> <p>Homework/Assignments: Daily practice questions from past papers</p>
ADVANCED ARABIC	GENERAL ARABIC
<p>Topics: الصفة المشبهة</p> <p>Learning Objectives: أن يتعرف المتعلم الصفة المشبهة أن يشتق المتعلم الصفة المشبهة أن يعرب المتعلم الصفة المشبهة أن يوظف المتعلم الصفة المشبهة في مواقف حياتية</p> <p>Resources needed: الكتاب المدرسي - الدفتر المدرسي - العرض التقديمي - السبورة الذكية</p> <p>Homework/Assignments: حل تمارينات الدرس</p>	<p>Topics: الوظيفة</p> <p>Learning Objectives: أن يتعرف الطالب المفردات الجديدة أن يذكر الطالب الوظائف غير المألوفة أن يضع الطالب عنواناً آخر للنص</p> <p>Resources needed: الكتاب المدرسي دفتر الطالب بوربوينت النص المسموع</p> <p>Homework/Assignments: أن يكتب الطالب نص عن وظائف غير مألوفة في مجتمعات أخرى</p>
PHYSICS	BIOLOGY
<p>Topics: 5.1 The nuclear model of the atom</p>	<p>Topics: Reproduction in organisms.</p>



<p>5.1.1 The atom</p> <p><u>Learning Objectives:</u> Describe how the scattering of alpha (α) particles by a sheet of thin metal supports the nuclear model of the atom, by providing evidence for:</p> <ol style="list-style-type: none"> a very small nucleus surrounded by mostly empty space a nucleus containing most of the mass of the atom a nucleus that is positively charged <p><u>Resources needed:</u></p> <p>https://phet.colorado.edu/en/simulation/build-an-atom</p> <p>Text book, PPT, Task sheet</p> <p><u>Homework/Assignments:</u> Solving Past paper</p>	<p><u>Learning Objectives:</u> Describe sexual reproduction as a process involving the fusion of the nuclei of two gametes to form a zygote and the production of offspring that are genetically different from each other. Discuss the advantages and disadvantages of sexual reproduction Identify in diagrams and images and describe the anthers and stigmas of a wind-pollinated flower Discuss the potential effects of self-pollination and cross-pollination on a population Distinguish between the pollen grains of insect-pollinated and wind-pollinated flowers Describe the structural adaptations of insect-pollinated and wind-pollinated flowers Investigate and describe the environmental conditions that affect germination of seeds</p> <p><u>Resources needed:</u> Text book, presentation, task sheet and past papers.</p> <p><u>Homework/Assignment</u> Completion of work book</p>
CHEMISTRY	ICT
<p><u>Topics:</u> Chemical Reactions</p> <p><u>Learning Objectives:</u> State the symbol equation for the production of ammonia in the Haber process State the sources of the hydrogen (methane) and nitrogen (air) in the Haber process State the typical conditions in the Haber process as 450 °C, 20 000 kPa / 200 atm and an iron catalyst State the symbol equation for the conversion of sulfur dioxide to sulfur trioxide in the Contact process</p>	<p><u>Topics:</u> Chapter 8- Cyber security and safety Practical: Presentations</p> <p><u>Learning Objectives:</u> E Safety Describe physical safety Describe E-safety Distinguish between the physical and E-safety</p> <p>Malwares</p> <ul style="list-style-type: none"> Define Malware Identify different malware Differentiate the malwares



<p>State the sources of the sulfur dioxide (burning sulfur or roasting sulfide ores) and oxygen (air) in the Contact process</p> <p>Resources needed: Worksheet, PPT, Video, Periodic Table</p> <p>Homework/Assignments: Daily Questions, Weekly Questions and past paper questions</p>	<p>Practical: Students will be able to master slides using presentations.</p> <p>Resources needed: PPTs, Past Paper questions, and Videos</p> <p>Homework/Assignments:</p>
<p style="text-align: center;">ISLAMIC ARABIC</p>	<p style="text-align: center;">ISLAMIC EDUCATION</p>
<p>Topics: مراحل جمع القرآن الكريم وتدوينه</p> <p>Learning Objectives: أن يوضح مراحل جمع القرآن الكريم أن يبين دور أبي بكر وعثمان بن عفان رضي الله عنهما في خدمة القرآن</p> <p>Resources needed: الكتاب المدرسي البوربوينت أنشطة صفية</p> <p>Homework/Assignments: حل أنشطة الطالب بالكتاب المدرسي مراجعة البوربوينت للدرس</p>	<p>Topics: Stages of the Collection of the Qur'an</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• Understand the stages involved in the collection and compilation of the Qur'an from the time of the Prophet Muhammad (PBUH) to the Caliphate of Uthman (RA).• Analyze the reasons behind each stage of collection and the challenges faced during the process. <p>Resources needed:</p> <ul style="list-style-type: none">• Textbooks/Handouts covering the history of the Qur'an's collection.• Multimedia Presentations or videos on the collection of the Qur'an.• Timeline Charts summarizing the stages of collection. <p>Homework/Assignments: Investigate and list additional historical sources that mention the preservation of the Qur'an and summarize them in a paragraph.</p>
<p style="text-align: center;">ACCOUNTING</p>	<p style="text-align: center;">BUSINESS STUDIES</p>
<p>Topics: Depreciation of non current asset</p> <p>Learning Objectives:</p>	<p>Topics: Break even analysis, Costs and Scale of operations</p> <p>Learning Objectives:</p>



<ul style="list-style-type: none"> Name and describe the straight-line, reducing balance and revaluation methods of depreciation Prepare ledger accounts and journal entries for the provision of depreciation <p><u>Resources needed:</u> Text book, PPT, Task Sheets</p> <p><u>Homework/Assignment:</u> Topical questions www.igcseaccounts.com</p>	<p><u>To construct BEP chart</u> To calculate BEP To evaluate the strategic decisions based on BEP</p> <p><u>Resources needed:</u> Text book , PPT, Task Sheets, Case studies</p> <p><u>Homework/Assignments:</u> Topical questions Topical past papers</p>
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ECONOMICS

<p><u>Topics:</u> Poverty , Multidimensional poverty index, measures to reduce poverty</p> <p><u>Learning Objectives:</u> To distinguish between absolute and relative poverty To analyze the causes of poverty To discuss the policies to alleviate poverty and redistribution income Class test (Wednesday)– to assess the topic taught in the class</p> <p><u>Resources needed:</u> Text book, task sheet</p> <p><u>Homework/Assignments:</u> Four – part questions Topical questions</p>
