



LEARNING TRAILS AY 2024-25

GRADE: 10

TERM 1_WEEK 10 (28th October to 1st November 2024)

| ENGLISH | MATHEMATICS |
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| <p>Topics: Speaking</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">communicate ideas/opinions clearly, accurately and effectively.engage in a conversation and contribute effectively to help move the conversation forward. <p>Resources needed: Speaking cards</p> <p>Homework/Assignments:</p> | <p>Topics: Mensuration:Surface Area</p> <p>Learning Objectives: To Calculate the surface area of a</p> <ul style="list-style-type: none">cylinderconesphereCompound 3-D shapes <p>Resources needed: Text book, Calculator, ATS Questions sheets, Past papers</p> <p>Homework/Assignments: Daily practice Questions, past papers</p> |
| ADVANCED ARABIC | GENERAL ARABIC |
| <p>Topics: الصفة المشبهة</p> <p>Learning Objectives: أن يتعرف المتعلم الصفة المشبهة ويشتمقها ويعربها في نصوص منتبها إلى وظائفها النحوية المختلفة ويوظفها في مواقف حياتية</p> <p>Resources needed: الكتاب المدرسي - الدفتر المدرسي - العرض التقديمي - مقطع فيديو</p> <p>Homework/Assignments: حل تمرينات الدرس</p> | <p>Topics فرص العمل</p> <p>Learning Objectives: أن يتعرف الطالب المفردات الجديدة أن يذكر الطالب الدرس المستفاد من القصة أن يحدد الطالب الصعوبات التي واجهها جاك ما</p> <p>Resources needed: الكتاب المدرسي _ بوربوينت _ أنشطة صفية إلكترونية</p> <p>Homework/Assignments: أن يكتب الطالب مقالة عن شخصية أوجدت فرصة عملها ونجحت في ذلك</p> |
| PHYSICS | BIOLOGY |
| <p>Topics: 4.5.6 The transformer</p> | <p>Topics: Antibiotic Drugs & Reproduction in plants</p> <p>Learning Objectives:</p> |



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| <p><u>Learning Objectives:</u></p> <p>Describe the construction of a simple transformer with a soft iron core, as used for voltage transformations</p> <p>Describe the use of transformers in high-voltage transmission of electricity</p> <p>Explain the principle of operation of a simple iron-cored transformer</p> <p><u>Resources needed:</u> PPT, Text book, https://www.youtube.com/watch?v=4wwcOK14BcQ https://interactives.ck12.org/simulations/physics/ac-transformer/app/index.html?screen=sandbox</p> <p><u>Homework/Assignments:</u> IGCSE past Paper</p> | <p>Describe a drug as any substance taken into the body that modifies or affects chemical reactions in the body</p> <p>Describe the use of antibiotics for the treatment of bacterial infections</p> <p>Explain how using antibiotics only when essential can limit the development of resistant bacteria such as MRSA</p> <p>State that some bacteria are resistant to antibiotics which reduces the effectiveness of antibiotics</p> <p>Describe asexual reproduction as a process resulting in the production of genetically identical offspring from one parent</p> <p>Describe asexual reproduction as a process resulting in the production of genetically identical offspring from one parent</p> <p>Discuss the advantages and disadvantages of asexual reproduction</p> <p><u>Resources needed:</u> PPT, Textbook, Task sheet, Test papers, Past paper.</p> <p><u>Homework/Assignment</u> Task sheet, Drawings, Read and learn.</p> |
| CHEMISTRY | ICT |
| <p><u>Topics:</u> Chemical reactions Reversible reactions and equilibrium</p> <p><u>Learning Objectives:</u> State that some chemical reactions are reversible as shown by the symbol \rightleftharpoons State that a reversible reaction in a closed system is at equilibrium Describe how changing the conditions can change the direction of a reversible reaction</p> | <p><u>Topics:</u> Chapter 8- Cyber security and safety Practical: Presentations</p> <p><u>Learning Objectives:</u></p> <p>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 |



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| <p>Predict and explain, for a reversible reaction, how the position of equilibrium is affected by: (a) changing temperature (b) changing pressure (c) changing concentration (d) using a catalyst</p> <p>Resources needed: Videos, PPTs, Workbook, textbook</p> <p>Homework/Assignments: Daily Questions, Weekly Assignments, past paper Questions.</p> | <ul style="list-style-type: none">Differentiate the malwares <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: Revise Chapter 7- System Life cycle</p> |
| <p style="text-align: center;">ISLAMIC ARABIC</p> | <p style="text-align: center;">ISLAMIC EDUCATION</p> |
| <p>Topics: قصة أصحاب الكهف</p> <p>Learning Objectives: أن يلخص الطلاب قصة أصحاب الكهف أن يحلل الطلاب بعض مواقف القصة</p> <p>Resources needed: الكتاب المدرسي البوربوينت أنشطة صفية</p> <p>Homework/Assignments: حل أنشطة الطالب بالكتاب المدرسي مراجعة البوربوينت للدرس</p> | <p>Topics: Companions of the Cave</p> <p>Learning Objectives: Understand the historical context of the story of the Companions of the Cave. Explain the main themes of Surah Al-Kahf verses 9-27, including faith, reliance on Allah, and the trials of life.</p> <p>Resources needed: Whiteboard/Smartboard for discussing the key themes and lessons. Multimedia presentation (optional) showcasing the story of the Companions of the Cave with visuals or short clips. Handouts summarizing key points, historical context, and moral lessons of the story.</p> <p>Homework/Assignments: Students are to reflect on a time they faced a personal challenge and relate how they overcame it to the lessons of Surah Al-Kahf.</p> |
| <p style="text-align: center;">ACCOUNTING</p> | <p style="text-align: center;">BUSINESS STUDIES</p> |
| <p>Topics: Correction of errors Bad debts, bad debts recovered and provision for doubtful debts account</p> | <p>Topics: Costs , Scale of production and BEP analysis</p> <p>Learning Objectives:</p> |



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| <p><u>Learning Objectives:</u> To calculate the corrected profit To formulate bad debts, bad debts recovered and provision for doubtful debts account</p> <p><u>Resources needed:</u> Text book Task sheets Formats</p> <p><u>Homework/Assignment:</u> Topical questions</p> | <p>To classify business costs To apply cost data in strategic business decisions. To analyze different economies of scale and diseconomies of scale</p> <p><u>Resources needed:</u> Text book, Topical case studies</p> <p><u>Homework/Assignments:</u> Practice topical past papers [already uploaded in teams]</p> |
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ECONOMICS

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| <p><u>Topics:</u> Inflation and deflation-causes and consequences of deflation Living standards –indicators of living standards</p> <p><u>Learning Objectives:</u> To understand the causes and consequences of deflation To describe the indicators of living standards To discuss the advantages and disadvantages of real GDP per head and HDI as indicators of living standards To explain how income and wealth inequality are measured To analyze the reasons for differences in living standards and income distribution within and between countries</p> <p><u>Resources needed:</u> Smart board Past paper questions Case study</p> <p><u>Homework/Assignments:</u> Referring the textbook – four-part questions page no –297 questions a to d</p> |
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