



LEARNING TRAILS AY 2024-25

GRADE:10

TERM 1_WEEK 5 (23rd to 27th September 2024)

ENGLISH	MATHEMATICS
<p>Topics: Reading</p> <p>Learning Objectives: demonstrate understanding of specific information. demonstrate understanding of the connections between ideas, opinions and attitudes. identify and select details for a specific purpose. demonstrate understanding of implied meaning</p> <p>Resources needed: Printed Past Papers</p> <p>Homework/Assignments:</p>	<p>Topics: Trigonometry</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">To solve simple trigonometrical problems in three dimensions including the angle between a line and a plane, using trigonometrical ratios, Pythagoras' theorem, sine rule and cosine rule.To be able to relate, analyse and make judgements when to use the most appropriate method.To be able to comprehend the Sine, Cosine of any angle <p>Resources needed: Textbook, calculator, past papers</p> <p>Homework/Assignments: Daily practice questions, past papers, exercise questions</p>
ADVANCED ARABIC	GENERAL ARABIC
<p>Topics: صيغ المبالغة</p> <p>Learning Objectives: إن يتعرف المتعلم صيغ مبالغة اسم الفاعل ويوظفها في مواقف حياتية</p> <p>Resources needed: الكتاب المدرسي - العرض التقديمي - الدفتر المدرسي - السبورة الذكية</p> <p>Homework/Assignments: كتابة الموضوع الثالث المخصص لمهارة الكتابة</p>	<p>Topics: قدوتي</p> <p>Learning Objectives: أن يتعرف الطالب المفردات الجديدة أن يتحدث الطالب عن كاتب النص أن يذكر الطالب فوائد جولات الحاكم على المشاريع بنفسه أن يكتب الطالب جملاً مبنية للمجهول</p> <p>Resources needed: الكتاب المدرسي _ بوربوينت _ أنشطة صفية تعليمية</p> <p>Homework/Assignments: (أن يكتب الطالب مقالاً بعنوان (كيف أكون قدوة ؟</p>



PHYSICS	BIOLOGY
<p>Topics: 4.4 Electrical safety 4.1 Simple phenomena of magnetism</p> <p>Learning Objectives: a. damaged insulation b. overheating cables c. damp conditions d. excess current from overloading of plugs, extension leads, single and multiple sockets when using a mains supply. Explain the use and operation of trip switches and fuses and choose appropriate fuse ratings and trip switch settings. Describe induced magnetism. Describe a magnetic field as a region in which a magnetic pole experiences a force.</p> <p>Resources needed: Text book, task sheets, videos, presentations, simulations, notebooks, diagrams.</p> <p>Homework/Assignments: Past paper questions</p>	<p>Topics: Control and coordination</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• Explain the pupil reflex in terms of the antagonistic action of circular and radial muscles in the iris• Explain accommodation to view near and distant objects• Describe the distribution of rods and cones in the retina of a human• Identify in diagrams and images the position of the fovea and state its function• Describe adrenaline as the hormone secreted in 'fight or flight' situations and its effects• Compare nervous and hormonal control, limited to speed of action and duration of effect• Describe homeostasis as the maintenance of a constant internal environment• Describe the control of blood glucose concentration by the liver and the roles of insulin and glucagon• Describe the maintenance of a constant internal body temperature in mammals <p>Resources needed: Text book, task sheets, videos, presentations, simulations, notebooks, diagrams.</p> <p>Homework/Assignments: Drawing, past papers and task sheets</p>



CHEMISTRY	ICT
<p>Topics: Electrochemistry</p> <p>Learning Objectives: State that metal objects are electroplated to improve their appearance and resistance to corrosion. Describe how metals are electroplated State that a hydrogen–oxygen fuel cell Describe the advantages and disadvantages of using hydrogen–oxygen fuel cells</p> <p>Resources needed: Periodic table, workbook, textbook</p> <p>Homework/Assignments: Daily Questions, weekly assignment, past paper questions</p>	<p>Topics: Development and Testing, implementation – System Life Cycle</p> <p>Learning Objectives: Describe different stages included in the Development and implementation stage</p> <p>Resources needed: Textbook Past Paper Questions</p> <p>Homework/Assignments: Answer the paper November paper 02- 2020- Task 3 database.</p>
ISLAMIC ARABIC	ISLAMIC EDUCATION
<p>Topics: القرآن المكي والمدني</p> <p>Learning Objectives: - أن يوضح الحكمة من نزول القرآن الكريم منجما - أن يعرف القرآن المكي والمدني - أن يوضح مميزات القرآن المكي والمدني . - أن يلخص فوائد العلم بالمكي والمدني</p> <p>Resources needed: الكتاب المدرسي البوربوينت أنشطة صفية</p> <p>Homework/Assignments: حل أنشطة الطالب بالكتاب المدرسي مراجعة البوربوينت للدرس</p>	<p>Topics: The Mind in Islam</p> <p>Learning Objectives: Understand the role of the mind in Islam and its importance in seeking knowledge, reflection, and making decisions according to Islamic teachings. Explore the concept of intellect ('Aql) in the Qur'an and Hadith, highlighting the relationship between faith and reason</p> <p>Resources needed: Qur'an (Surah Al-Imran 3:190-191 - Reflection on the creation of the heavens and the earth) Hadith Collection Islamic Philosophy Texts Interactive Whiteboard/Smartboard</p>



	<p><u>Homework/Assignments:</u> Reflection Essay: Students are to write a short essay (300-400 words) on how they use their intellect in everyday decision-making and how it aligns with Islamic principles. OR Qur'an Research: Choose two Qur'anic verses that emphasize the importance of reasoning and explain them in your own words.</p>
ACCOUNTING	BUSINESS STUDIES
<p><u>Topics:</u> Accounts of Limited Companies</p> <p><u>Learning Objectives:</u> To formulate Income Statement of Limited Companies To formulate Statement of Changes in equity</p> <p><u>Resources needed:</u> PPT Task Sheets</p> <p><u>Homework/Assignments:</u> Topical questions</p>	<p><u>Topics:</u> Marketing mix</p> <p><u>Learning Objectives:</u> To evaluate the strategies that can be used for the successful implementation of Marketing mix</p> <p><u>Resources needed:</u> Textbook Topical case studies</p> <p><u>Homework/Assignments:</u> Practicing topical questions which are uploaded in teams</p>
ECONOMICS	
<p><u>Topics:</u> Monetary policy Supply-side policy</p> <p><u>Learning Objectives:</u> Define Monetary policy and supply-side policy. How Monetary policy is affecting the productive capacity of the economy. Explain how supply-side policies are used to improve the productive capacity of the economy.</p> <p><u>Resources needed:</u> Graphs, case studies, interactive whiteboard</p> <p><u>Homework/Assignments:</u> Past paper topical questions</p>	



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