



## LEARNING TRAILS AY 2024-25

GRADE: 10

TERM 1\_WEEK 6 (30<sup>th</sup> to 4<sup>th</sup> October 2024)

ENGLISH	MATHEMATICS
<p><b>Topics:</b> Writing</p> <p><b>Learning Objectives:</b> Students will be able to write exam style text types in order to practice, time management and high order thinking.</p> <p><b>Resources needed:</b> Past papers</p> <p><b>Homework/Assignments:</b> Some students will do the remaining parts of writing at home</p>	<p><b>Topics:</b> Trigonometry Mensuration</p> <p><b>Learning Objectives:</b> To know how to use the sine rule to find sides and angles in non-right angle triangles. Able to use the Cosine rule to find sides and angles in any non right angle triangles. To find the area of a triangle using sine of a triangle To understand and apply the formulas for finding the area of rectangle, parallelogram and trapezium</p> <p><b>Resources needed:</b> Textbook, Calculator, past papers</p> <p><b>Homework/Assignments:</b> Daily practice questions, past papers.</p>
ADVANCED ARABIC	GENERAL ARABIC
<p><b>Topics:</b> نص معلوماتي : تقنية الهولوجرام</p> <p><b>Learning Objectives:</b> أن يحلل المتعلم فكر النص محددًا كيف تفاعلت وبنيت على بعضها بعضًا. أن يقيم المتعلم أسلوب الكاتب في عرض جملة وفعاليتها في الشرح والإقناع أن يقيم المتعلم مدى كفاية الأساليب ودقتها ومناسبة استخدام الكاتب لها لتقديم وجهة نظره</p> <p><b>Resources needed:</b></p>	<p><b>Topics:</b> التطوع</p> <p><b>Learning Objectives:</b> أن يتعرف الطالب المفردات الجديدة أن يذكر الطالب فوائد التطوع أن يكتب الطالب عن أهمية التطوع للفرد والمجتمع</p> <p><b>Resources needed:</b> الكتاب المدرسي _ النص المسموع _ أنشطة تعليمية صفية</p> <p><b>Homework/Assignments:</b> كتابة نص حول تجربة تطوع قام بها مبيئًا أثرها عليه</p>



الكتاب المدرسي - الدفتر المدرسي - العرض التقديمي - السبورة الذكية <b>Homework/Assignments:</b> كتابة بحث مبسط عن تقنية الهولوجرام ومبدأ عملها	
PHYSICS	BIOLOGY
<b>Topics:</b> 4.5.1 Electromagnetic induction 4.5.2 The A.c Generator  <b>Learning Objectives:</b> Describe an experiment to demonstrate electromagnetic induction  State and use the relative directions of force, field and induced current  Describe a simple form of a.c. generator (rotating coil or rotating magnet) and the use of slip rings and brushes where needed  Sketch and interpret graphs of e.m.f. against time for simple a.c. generators and relate the position of the generator coil to the peaks, troughs and zeros of the e.m.f.  <b>Resources needed:</b> <a href="https://phet.colorado.edu/en/simulations/faradays-electromagnetic-lab/about">https://phet.colorado.edu/en/simulations/faradays-electromagnetic-lab/about</a> <a href="https://phet.colorado.edu/en/simulations/generator">https://phet.colorado.edu/en/simulations/generator</a> Text book, PPT, Smart board  <b>Homework/Assignments:</b> Solving past paper questions	<b>Topics:</b> Control and coordination.  <b>Learning Objectives:</b> Describe adrenaline as the hormone secreted in 'fight or flight' situations and its effects  Explain the concept of homeostatic control by negative feedback with reference to a set point Describe the control of blood glucose concentration  Outline the treatment of Type 1 diabetes Identify in diagrams and images of the skin  Describe the maintenance of a constant internal body temperature in mammals  Describe the maintenance of a constant internal body temperature in mammals  Explain phototropism and gravitropism of a shoot as examples of the chemical control of plant growth  Explain the role of auxin in controlling shoot growth.  <b>Resources needed:</b> Textbook, PPT, Task sheet, Videos.  <b>Homework/Assignments:</b> Past papers, Drawings, revision of grade 9 topics.



CHEMISTRY	ICT
<p><b>Topics:</b> Chemical Reactions – Redox</p> <p><b>Learning Objectives:</b> Define oxidation in terms of: (a) loss of electrons (b) an increase in oxidation number Define reduction in terms of: (a) gain of electrons (b) a decrease in oxidation number Identify redox reactions as reactions involving gain and loss of electrons Identify redox reactions by changes in oxidation number Identify redox reactions by the colour changes Define an oxidising agent and a reducing agent</p> <p><b>Resources needed:</b> PPT, workbook, textbook, periodic table</p> <p><b>Homework/Assignments:</b> Daily Questions, Weekly Assignments, Past Paper Questions.</p>	<p><b>Topics:</b> System Life cycle – Implementation</p> <p><b>Learning Objectives:</b> Describe the methods of Implementation. Distinguish between the benefits and drawbacks of each method (Pilot Running, Phased Implementation, Direct Changeover, and Parallel Running)</p> <p><b>Resources needed:</b> Textbook Assignments PPTs Past paper questions</p> <p><b>Homework/Assignments:</b> Past Paper Questions</p>
ISLAMIC ARABIC	ISLAMIC EDUCATION
<p><b>Topics:</b> المدارس الفقهية</p> <p><b>Learning Objectives:</b> أن يوضح مفهوم المدارس الفقهية أن يحلل أسباب ظهور المدارس الفقهية أن يقارن بين المدارس الفقهية</p> <p><b>Resources needed:</b> الكتاب المدرسي البوربوينت أنشطة صفية</p> <p><b>Homework/Assignments:</b> حل أنشطة الطالب بالكتاب المدرسي</p>	<p><b>Topics:</b> The Mind in Islam</p> <p><b>Learning Objectives:</b> Understand the concept of the mind ('aql) in Islam and its role in moral decision-making. Explore how the Qur'an and Hadith emphasize the use of reasoning and intellect. Analyze the relationship between faith (iman) and reason in Islamic thought.</p> <p><b>Resources needed:</b> The Qur'an - Specific verses such as Surah Al-Baqarah (2:164) and Surah 'Alaq (96:1-5) for reflection on intellect and knowledge.</p>



<p>مراجعة البوربوينت للدرس</p>	<p>Hadith Collections - Relevant sayings from Sahih Bukhari and Sahih Muslim about the use of reason and the importance of seeking knowledge.</p> <p><b>Homework/Assignments:</b> Analyze how this guidance can be applied in daily life, focusing on ethical decision-making and personal growth.</p>
ACCOUNTING	BUSINESS STUDIES
<p><b>Topics:</b> Accounts of Limited Companies</p> <p><b>Learning Objectives:</b> To formulate the financial statements of limited companies</p> <p><b>Resources needed:</b> PPT Task sheets-Topical questions Text book</p> <p><b>Homework/Assignments:</b> Topical questions <a href="http://www.igcseaccounts.com">www.igcseaccounts.com</a></p>	<p><b>Topics:</b> Marketing mix – place</p> <p><b>Learning Objectives:</b> To evaluate the various distributions system</p> <p><b>Resources needed:</b> Textbook Topical case studies</p> <p><b>Homework/Assignments:</b> Practice topical questions.</p>
ECONOMICS	
<p><b>Topics:</b> Economic Growth</p> <p><b>Learning Objectives:</b> To Interpret the definition of economic growth and its importance to an economy. To illustrate types and explain the causes of Economic growth</p> <p><b>Resources needed:</b> Smart board, Microsoft teams, <a href="http://Geography and Economic Growth   Marginal Revolution University (mru.org)">Geography and Economic Growth   Marginal Revolution University (mru.org)</a></p> <p><b>Homework/Assignments:</b> Complete the assigned task</p>	