

AL AIN JUNIORS SCHOOL- BRITISH SYSTEM
LEARNING TRAILS

AY 2023-24: Term 2_Week 8 (19th to 23rd February 2024)

GRADE 12

MATHEMATICS	IT
<p>Topics: Hypothesis Testing</p> <p>Learning Objectives: To be able to identify the one Tail or two Tails Test. To be able to carry out the statistical Test.</p> <p>Resources needed: Sample questions</p> <p>Homework/Assignments: Past paper questions.</p>	<p>Topics: Project management: Gantt charts, Performance Evaluation and Review Technique (PERT) and Critical Path Method (CPM) Java script.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• Describe components such as activities/tasks/work breakdown structures (WBS), timings, float, end points, milestones, dependencies.• create a Gantt chart.• create PERT charts.• Calculate critical path and determine the longest path of dependent activities.• Use array in java script programming. <p>Resources needed: Textbook, activity sheet, computer, past paper questions.</p> <p>Homework/Assignments: Solve past paper questions, assignment.</p>
ADVANCED ARABIC	GENERAL ARABIC
<p>Topics: رواية قلم زينب</p> <p>Learning Objectives: أن يحلل المتعلم رواية فنية موضحاً فكرتها وخصائصها وتطور أحداثها ومقومات شخصياتها أن يحلل المتعلم الرواية إلى عناصرها الفنية مستخدماً المخططات والرسومات لتوضيح العلاقات بين الشخصيات وتطور الخط الزمني للرواية</p> <p>Resources needed: الرواية - العرض التقديمي - منصة ألف</p> <p>Homework/Assignments: حل التمرينات في منصة ألف</p>	<p>Topics: الرياضة</p> <p>Learning Objectives: أن يتعرف المتعلم على المفردات الجديدة أن يستنتج المتعلم أهمية الرياضة للإنسان أن يحلل المتعلم الدرس تحليلاً صحيحاً أن يحدد المتعلم الفكرة الرئيسية والفكر الفرعية للدرس</p> <p>Resources needed: كتاب الطالب - الدفتر - العرض التقديمي</p> <p>Homework/Assignments: يكتب الطالب فقرة عن أهمية الرياضة للفرد والمجتمع</p>

PHYSICS	BIOLOGY
<p>Topics: Planning, analysis and evaluation</p> <p>Learning Objectives: Should be able to</p> <ol style="list-style-type: none"> 1. Calculate uncertainties 2. Plot a graph to draw line of best fit and worst fit 3. Include error bar 4. Find gradient <p>Resources needed: 2019 paper52</p> <p>Homework/Assignments: <i>Topical Past Papers</i></p>	<p>Topics: Classification, Biodiversity & Conservation</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Describe the classification of organisms in the Eukarya domain into the taxonomic hierarchy of kingdom, phylum, class, order, family, genus and specie. • outline the characteristic features of the kingdoms Protocista, Fungi, Plantae and Animalia. • Explain that biodiversity can be assessed at different levels. • Explain the importance of random sampling in determining the biodiversity of an area • describe and use suitable methods to assess the distribution and abundance of organisms in an area <p>Resources needed: Text book, activity sheet, Note book, PPT, specimens of animals</p> <p>Homework/Assignments: Solve the activity sheet</p>
ISLAMIC ARABIC	ISLAMIC EDUCATION
<p>Topics: التفكير الابداعي</p> <p>Learning Objectives: أن يبين مفهوم التفكير الابداعي أن يستنتج أثر الاسلام على الابداع* أن يوضح الأمور التي تعين على الابداع*</p> <p>Resources needed: الكتاب المدرسي بوربوينت أنشطة تعليمية منصة ألف</p> <p>Homework/Assignments:</p> <ul style="list-style-type: none"> • حل أنشطة الطالب • حل أسئلة منصة ألف 	<p>Topics: Creative thinking in Islam</p> <p>Learning Objectives: Explain the concept of creative thinking. Infer the effect of Islam on creativity.</p> <p>Resources needed: Board, projector, marker, textbook</p> <p>Homework/Assignments: Solve students' activity in textbook</p>

CHEMISTRY	ACCOUNTING
<p>Topics:</p> <p>35 Polymerisation</p> <p>Learning Objectives:</p> <p>35.1 Condensation polymerization</p> <p>[A] describe the formation of polyesters: the reaction between a diol and a dicarboxylic acid or diol chloride the reaction of a hydroxycarboxylic acid</p> <p>[B] describe the formation of polyamides: [1] the reaction between a diamine and a dicarboxylic acid or diol chloride [2] the reaction of an aminocarboxylic acid [3] the reaction between amino acids</p> <p>[B] deduce the repeat unit of a condensation polymer obtained from a given monomer or pair of monomers, identify the monomer(s) present in each section of a condensation polymer molecule.</p> <p>Resources needed:</p> <p>Textbook, smart board, white board</p> <p>Homework/Assignments:</p>	<p>Topics:</p> <p>Activity based Costing</p> <p>Learning Objectives:</p> <p>The application of activity-based costing (ABC) • the uses and limitations of ABC • what is meant by a cost driver</p> <ul style="list-style-type: none"> • how to use ABC to: – identify the appropriate cost driver – apportion and allocate overheads – calculate the total cost and selling price of a unit • the effect of different methods of overhead absorption on cost and profit • how to apply ABC costing techniques to make business decisions and recommendations using supporting data <p>Resources needed</p> <p>A level text book Task Sheet PPT</p> <p>Homework/Assignments:</p> <p>Topical questions</p>
BUSINESS	ECONOMICS
<p>Topics: Finance and accounting strategy</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • To apply accounting data to strategic decision-making • To evaluate business performance using accounting data and ratio analysis • To assess the impact of accounting data and ratio analysis on business strategy <p>Resources needed:</p> <p>Text Book, Case Studies</p> <p>Homework/Assignments:</p> <p>Practice end of chapter questions</p>	<p>Topics: The Economic and Human Development</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • To distinguish between economic growth and economic development • To classify the economies by average income. • To analyze the importance of non-monetary indicators in the estimation of GNI. • To understand the use of composite indicators in the identifying the level of development in a nation <p>Resources needed:</p> <p>Economics By Peter Smith and Students-made presentations.</p> <p>Homework/Assignments:</p> <p>Complete the end of chapter practice questions</p>