



LEARNING TRAILS AY 2024-25

GRADE: 11

TERM 2_WEEK 6 (10th February to 14th February 2025)

IT	MATHEMATICS
<p>Topics: Algorithms and flowcharts:</p> <p>Learning Objectives: Writing and editing a given algorithm that demonstrates a decision-making process, including: conditional branching, looping, nested loops, procedures/subroutines.</p> <p>Writing an algorithm using pseudocode to solve a given problem, including: –INPUT/READ , WRITE/PRINT, FOR...NEXT FOR...NEXT...STEP, IF...ELSE...ENDIF, WHILE...ENDWHILE, REPEAT...UNTIL, CASE...ENDCASE ,</p> <p>Resources needed: Smart board, ppt, task sheets, computer systems.</p> <p>Homework/Assignments: Solve past paper questions.</p>	<p>Topics: The Normal Distribution</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • understand the use of a normal distribution to model a continuous random variable, and use normal distribution tables • solve problems concerning a variable X, where $X \sim N(\mu, \sigma^2)$ including– finding the value of $p(X > x_1)$ or a related probability, given the values of x_1, μ and σ– finding a relationship between x_1, μ and σ given the value of $p(X > x_1)$ or a related probability • recall conditions under which the normal distribution can be used as an approximation to the binomial distribution, and use this approximation, with a continuity correction, in solving problems <p>Resources needed: Smartboards, PPTs, Textbook, Topic-wise Past Paper questions on normal distribution</p> <p>Homework/Assignments: Search Results Search Results Search Results</p>



ADVANCED ARABIC	GENERAL ARABIC
<p>Topics: <u>تابع قصيدة الطين</u></p> <p>Learning Objectives: <u>أن يحدد الفكرة الرئيسية والفكر الفرعية للنص</u> <u>أن يستنتج الدلالات التعبيرية والإيحائية للنص</u> <u>أن يفسر معاني المفردات مستخدماً المعجم الورقي والرقمي</u></p> <p>Resources needed: <u>الكتاب المدرسي - العرض التقديمي - أنشطة تعليمي</u></p> <p>Homework/Assignments: <u>حل أسئلة الكتاب المدرسي - كتابة موضوع تعبير</u></p>	<p>Topics: <u>المكتبة الإلكترونية</u></p> <p>Learning Objectives: <u>أن يتعرف على طريقة التعامل والعمل في المكتبات الإلكترونية</u> <u>أن يذكر أنواع المعلومات المتوفرة في المكتبات الآن</u> <u>أن يستنتج كيف بدأت فكرة المكتبات الإلكترونية</u></p> <p>Resources needed: <u>الكتاب - العرض التقديمي - الدفتر</u></p> <p>Homework/Assignments: <u>كتابة الموضوع الخامس من موضوعات الكتابة</u></p>
PHYSICS	BIOLOGY
<p>Topics: Electricity Internal resistance Kirchhoff's laws</p> <p>Learning Objectives: understand the effects of the internal resistance of a source of e.m.f. on the terminal potential difference recall Kirchhoff's first law and understand that it is a consequence of conservation of charge 2 recall Kirchhoff's second law and understand that it is a consequence of conservation of energy 3 derive, using Kirchhoff's laws, a formula for the combined resistance of two or more resistors in series 4 use the formula for the combined resistance of two or more resistors in series 5 derive, using Kirchhoff's laws, a formula for the combined resistance of two or more resistors in parallel 6 use the formula for the combined resistance of two or more resistors in parallel 7 use Kirchhoff's laws to solve simple circuit problems Assessment of the chapter waves</p> <p>Resources needed: Pastpapers, smart board, animations, videos Copy book,</p> <p>Homework/Assignments:</p>	<p>Topics: Transport in Mammals & Gas Exchange</p> <p>Learning Objectives: describe the external and internal structure of the mammalian heart explain the differences in the thickness of the walls of the: atria and ventricles, left ventricle and right ventricle. describe the structure of the human gas exchange system, describe the functions of ciliated epithelial cells, goblet cells and mucous glands in maintaining the health of the gas exchange system</p> <p>Resources needed: Solve past paper questions and end of the topic questions from Unit 8</p> <p>Homework/Assignments: Sketch and describe the distribution in the gas exchange system of cartilage, ciliated epithelium,</p>



Practice papers [2016-2024] June/November papers	goblet cells, squamous epithelium of alveoli, smooth muscle and capillaries
CHEMISTRY	ACCOUNTING
Topics: Hydroxy Compounds Learning Objectives: Reaction that produces alcohols Reactions of Alcohols The tri-iodomethane test Resources needed: Textbook, Lab Chemicals Homework/Assignments: Textual and Topical Questions	Topics: Marginal Costing Learning Objectives: To understand the basics of marginal costing To apply marginal costing techniques in decision making –Optimum use of limited resources . Resources needed: Text book Task sheets Topical questions Homework/Assignments: Topical questions
ISLAMIC ARABIC	ISLAMIC EDUCATION
Topics: <u>وصايات وتوجيهات أخلاقية</u> Learning Objectives: أن يتلو الطلاب الآيات الكريمة تلاوةً صحيحةً ومجودةً وصحيحةً أن يفسر الطلاب معاني المفردات القرآنية أن يحلل الطلاب بعض دلالات الآيات الكريمة Resources needed: الكتاب المدرسي العرض التقديمي الشبكة العنكبوتية السيبورة الذكية Homework/Assignments: حفظ الآيات الكريمة حل أنشطة الكتاب المدرسي مراجعة العرض التقديمي للدرس	Topics: Ethical Guidelines and Instructions Learning Objectives: <ul style="list-style-type: none">• Students should recite the noble verses with proper Tajweed and accuracy.• Students should interpret the meanings of Quranic vocabulary.• Students should analyze some of the implications of the noble verses. Resources Needed: <ul style="list-style-type: none">• Textbook• Presentation• Internet• Smartboard



	<p>Homework/Assignments:</p> <ul style="list-style-type: none"> • Memorize the noble verses. • Solve the textbook activities. • Review the lesson presentation.
ECONOMICS	BUSINESS
<p>Topics: Balance of payments Revision</p> <p>Learning Objectives: To recapitulate the concepts of demand and supply To recall the impact of subsidies To discuss the movements and shifts in the demand curve</p> <p>Resources needed: e-book Textbook Topical questions Past paper questions</p> <p>Homework/Assignments: Practice past paper questions</p>	<p>Topics: Costing</p> <p>Learning Objectives: To construct BEP To evaluate strategic decisions based on BEP</p> <p>Resources needed: E book Topical case studies</p> <p>Homework/Assignments: Practice past papers</p>