



**TERM 1 SYLLABUS
GRADE 12 SCIENCE**

SUBJECT	SYLLABUS
Physics	Chapter 1-Electric charges and fields Chapter 2-Electrostatic potential and capacitance Chapter 3-Current Electricity Chapter 4-Moving charges and magnetism Chapter 5-Magnetism and matter Chapter 6-Electromagnetic Induction Chapter 7- Alternating currents Chapter 8-Electromagnetic waves
Chemistry	UNIT 10- HALOALKANES AND HALOARENES UNIT 11- ALCOHOLS, PHENOLS AND ETHERS UNIT 2- SOLUTIONS UNIT 3- ELECTROCHEMISTRY UNIT 4- CHEMICAL KINETICS UNIT 14 -BIOMOLECULES UNIT 8- D-AND F-BLOCK ELEMENTS
Biology	Chapter 2- Human Reproduction Chapter 3- Reproductive Health Chapter 1- Sexual Reproduction in Flowering Plants Chapter 4- Principles of Inheritance Chapter 5- Molecular Basis of Inheritance Chapter 6- Evolution Chapter 7-Human Health and Diseases
English	<p>READING</p> I Factual, descriptive or literary passage. II Case-based passage (with verbal/ visual input- statistical data, chart etc.) (The combined word limit for both the passages will be 700-750 words.) <p>WRITING</p> <ol style="list-style-type: none"> 1. Invitation (Formal & Informal) 2. Notice writing 3. Letter to the editor 4. Article writing 5. Report writing

	<p><u>LITERATURE</u></p> <p><u>FLAMINGO</u></p> <ol style="list-style-type: none"> 1. The last lesson 2. Lost spring 3. Deep Water 4. Rattrap <p><u>POEMS</u></p> <ol style="list-style-type: none"> 1. My mother at sixty - six 2. Keeping Quiet <p><u>VISTAS</u></p> <ol style="list-style-type: none"> 1. The Third level 2. The Tiger King 3. Journey to the end of the earth 4. Enemy
Math	<p>Chapter 1: Relations and functions</p> <p>Chapter2: Inverse Trigonometric Functions</p> <p>Chapter3:Matrices</p> <p>Chapter4: Determinants</p> <p>Chapter5:Continuity and differentiability</p> <p>Chapter6: Applications of derivatives</p> <p>Chapter7: Integrals (Till Exercise 7.3)</p>
IP	<p>Unit 1: Data Handling using Pandas and Data Visualization</p> <p>Unit 2: Database Query using SQL</p>
Optional Arabic	<p>الوحدة الأول :</p> <p>الدرس 1 : معارض الكتاب</p> <p>الدرس 2 : معرض إكسبو دبي 2020</p> <p>النحو:</p> <p>أسماء الإشارة</p> <p>أجزاء الجملة (فعل، فاعل، مفعول)</p> <p>أنواع الجملة</p> <p>الصفة والموصوف</p> <p>المبتدأ والخبر</p> <p>اسم موصول</p>
Islamic	<p>UNIT-1. LESSON1. Protecting Society Against Moral Crimes (Surah Nur)</p> <p>UNIT-2. LESSON1. Slander against Aisha (R.A.) and Moral Lesson.</p> <p>UNIT-3. LESSON2. Prophetic Methodology in Healthcare,</p> <p>UNIT4. LESSON1. Marriage is the Path to Chastity.</p> <p>UNIT-5. LESSON2. Tolerance Towards the People of</p>

	Different Faiths.
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