



## AL Final Term Syllabus Outline

<b>Biology</b>	<p><b>Chapter 16:</b> Inherited Change</p> <p><b>Chapter 17:</b> Selection and Evolution</p> <p><b>Chapter 18:</b> Biodiversity, Classification and Conservation</p> <p><b>Chapter 19:</b> Genetic Technology</p> <p style="text-align: right;"><b>Teacher's Name:</b> Dr. Ainiya Hafeez</p>
<b>Chemistry</b>	<ol style="list-style-type: none"> <li>1. Hydroxy Compounds</li> <li>2. Carboxylic Acids and Derivatives</li> <li>3. Nitrogen Compounds</li> <li>4. Amide</li> <li>5. Amino Acids</li> <li>6. Polymerisation</li> <li>7. Analytical Techniques</li> <li>8. Proton NMR Spectroscopy</li> <li>9. Organic Synthesis</li> </ol> <p><b>Past Papers Practice is done with all the topics.</b></p> <p style="text-align: right;"><b>Teacher's Names:</b> Ms. Uzma Rashid, Ms. Quratulain Imran</p>
<b>Physics</b>	<p><b>Reference: Cambridge International AS And A Level Physics 9702</b></p> <p><b>Chap: 14</b> Waves, <b>Chap: 16</b> Communication, <b>Chap: 19</b> Current of Electricity (A2 Part Only), <b>Chap: 20</b> D.C Circuits (A2 Part Only), <b>Chap: 21</b> Electronics, <b>Chap: 22</b> Magnetic Fields, <b>Chap: 23</b> Electromagnetic Induction, <b>Chap: 24</b> Alternating Current, <b>Chap: 25</b> Quantum Physics, <b>Chap: 26</b> Particle and Nuclear Physics</p> <p><b>Past Papers Practice is done with all the topics.</b></p> <p style="text-align: right;"><b>Teacher's Names:</b> Mr. Siddique Nawab, Mr. Zeeshan Khan</p>
<b>Accounting</b>	<p><b>Topics</b></p> <p>1.1.2 Non-Profit Organizations</p> <p>1.1.4 International Accounting Standards</p> <p>1.1.5 Auditing and Stewardship of Limited Companies</p> <p>1.4.1 Computerized Accounting Systems</p> <p>2.2.1 Budgeting</p> <p>2.3.1 Standard Costing</p> <p>2.4.1 Investment Appraisal</p> <p>2.1.1 Activity Based Costing</p> <p><b>Past Paper Practice</b></p> <p style="text-align: right;"><b>Teacher's Name:</b> Mr. Haider Shahzad</p>
<b>Business</b>	<p><b>Unit: 4</b> Business Operations (4.2" ERP",4.4,4.54.6)</p> <p><b>Unit: 5</b> Accounting &amp; Finance (5.5,5.6,5.7,5.8,5.9)</p> <p><b>Unit: 6</b> Strategic Management (6.1,6.2,6.3,6.4)</p> <p><b>Past Paper Practice</b></p> <p style="text-align: right;"><b>Teacher's Name:</b> Mr. Nouman Ashraf</p>

<b>Economics</b>	<p><b>Unit: 3</b> Price System &amp; Micro Economy (Section 4: Labor Market)  <b>Unit: 4</b> The Macro-Economy  <b>Unit: 5</b> Government Macro Intervention  <b>Past Paper Practice</b></p> <p style="text-align: right;"><b>Teacher's Name:</b> Ms. Erum Taufiq</p>
<b>Pure Math</b>	<p><b><u>Numerical Solution of Equations</u></b>  Interval Estimation – Change-of-Sign Methods  Fixed-Point Iteration  <b><u>Further Algebra</u></b>  The General Binomial Expansion  Review of Algebraic Fractions  Using Partial Fractions with the Binomial Expansion  <b><u>Further Integration</u></b>  Integration by Substitution  Integration by Parts  General Integration  <b><u>Differential Equations</u></b>  Forming Differential Equations from Rates of Change  Solving Differential Equations  <b><u>Vectors</u></b>  The Vector Equation of a Line  The Intersection of Two Lines  The Angle Between Two Lines  The Perpendicular Distance from a Point to a Line  The Vector Equation of a Plane  The Intersection of a Line and a Plane  The Distance of a Point from a Plane  The Angle Between a Line and a Plane  The Intersection of Two Planes  <b><u>Complex Numbers</u></b>  Representing Complex Numbers Geometrically  Sets of Points in An Argand Diagram  The Modulus–Argument Form of Complex Numbers  Sets of Points Using the Polar Form  Working with Complex Numbers in Polar Form  Complex Exponents  Complex Numbers and Equation</p> <p style="text-align: right;"><b>Teacher's Name:</b> Mr. Mohammed Ejaz</p>
<b>Mechanics</b>	<p><b><u>Chapter no 7,</u></b>  General Motion in a Straight Line  <b><u>Chapter no 9,</u></b>  Energy, Work and Power</p> <p style="text-align: right;"><b>Teacher's Name:</b> Ms. Kiran Suleman</p>
<b>AL-IT</b>	<p><b><u>Paper 3: (Theory)</u></b>  <b>Section 14:</b> Project Management  <b>Section 15:</b> System Life Cycle  <b><u>Paper 4: (Practical)</u></b>  <b>Section 17:</b> Animation  <b>Section 19:</b> Programming for the Web</p> <p style="text-align: right;"><b>Teacher's Names:</b> Mr. Shahzad Akbar, Mr. Naveed Rajput</p>