

Bartley Secondary School
End-of-Year Exam Component/Topics 2025
Secondary Three Normal (Technical)

SUBJECT	COMPONENT/TOPIC
English	<p>Paper 1: e-Written Section A: Editing Section B: Situational Writing Section C: Continuous Writing</p> <p>Paper 2: Language Use and Comprehension</p> <p>Paper 3: Listening Comprehension</p>
Mathematics	<p>Sec 3NT Textbook Chapter 1 Indices and standard form Chapter 2 Maps and Scale Chapter 3 Algebraic Expansion, Fractions, and Expression for nth Term of a number sequence Chapter 4 Factorisation and Formulae Chapter 5 Arc Length and Sector Areas Chapter 6 Pyramid, Cone and Spheres Chapter 7: Cumulative Frequency Chapter 8: Graphs of linear equations</p> <p>Lower Secondary Topics</p> <ul style="list-style-type: none"> • Numbers • Ratio, rate & Percentages • Rate and speed • Triangles and Pythagoras' Theorem • Statistics • Money
Mathematics (OOS)	<p>Sec 3N(A) Textbook Chapter 1 Algebraic Manipulation Chapter 2 Quadratic Equations Chapter 3 Graphs of Quadratic Functions Chapter 4 Indices Chapter 5 Congruence and Similarity Chapter 6 Coordinate Geometry Chapter 7.1 Graph of Power Functions Chapter 7.3 Gradients of Curves Chapter 8 Trigonometric Ratios Chapter 9 Further Trigonometry</p> <p>Lower Secondary Topics Numbers Factors and Multiples Ratio, Rate & Percentages</p>

SUBJECT	COMPONENT/TOPIC		
Science	Chapter 1: Energy Chapter 2: Electricity Chapter 3: Waves Chapter 4: Effects of Force Chapter 6: Sources of Food Chapter 7: Food Chemistry		
Science (Chemistry) OOS	Chapter 1 - Experimental Chemistry Chapter 2 - Kinetic Particle Theory Chapter 3 - Atomic Structure Chapter 4 - Chemical Bonding Chapter 5 - Structure and Properties of Materials Chapter 6 - Chemical Formulae and Equations Chapter 7 - Mole Concept: Calculation of Ar and Mr; (Mole calculation & stoichiometry excluded) Chapter 8 - Acids and Bases Chapter 11 - The Periodic Table		
Science (Biology) OOS	1: Cell Structure and Organisation 2: Movement of Substances 3: Biological Molecules (Nutrients & Enzymes) 4: Nutrition in Humans 8: Nutrition in Flowering Plants (including leaf structure)		
Basic Chinese	试卷一 : e-Written 网络贴文	试卷二 : e-Written 1. 语文应用 2. 阅读理解一 3. 阅读理解二	试卷三 : 1. 口试考试 (T3已进行) 2. 听力考试
Basic Malay	<u>Paper 1 - e-Written</u> Penulisan Fungsional	<u>Paper 2 - e-Written</u> A: Melengkapkan Teks B: Kefahaman 1 C: Kefahaman 2	<u>Paper 3</u> 1. Lisan (T3W7) 2. Kefahaman Mendengar
Basic Tamil	<u>தாள் 1 e-Written</u> நடைமுறை சார்ந்த படைப்பு	<u>தாள் 2 e-Written</u> A1. மொழிப் பயன்பாடு-1 A2. மொழிப் பயன்பாடு-2 B3. மரபுத்தொடர் / இணைமொழி C4. கருத்து விளக்கப்படக் கருத்தறிதல் D5. வாசிப்புக் கருத்தறிதல்	<u>தாள் 3</u> 1. கேட்டல் கருத்தறிதல் 2. வாய்மொழித் தேர்வு (T3W8)

SUBJECT	COMPONENT/TOPIC
Computer Applications	<p>Paper 1 (Theory) - Computer Fundamentals, Document Processing, Media Elements, Animation and Game Making, Spreadsheet, Interactive Multimedia Communication.</p> <p>Paper 2 (Practical) - Media Element (Inkscape), Document Processing (Word), Interactive Multimedia Communication (Powerpoint)</p> <p>Paper 3 (Practical) - Spreadsheet (Excel), Animation and Game Making (Scratch)</p>
Mobile Robotics	<p>Paper 1:</p> <ul style="list-style-type: none"> ● Mobile Robots ● Basic Electricity ● Basic Electronics ● Digital Electronics ● Input and Output Devices <p>Paper 2:</p> <p>Set up a logic circuit on a breadboard.</p>
NFS	<p>Written paper:</p> <p>All Topics tested</p> <p>Coursework component:</p> <ul style="list-style-type: none"> - Background Study - Decision making - Planning - Execution - Evaluation
<p>Please note that</p> <ul style="list-style-type: none"> ● Absence from Examination must be supported by a valid Medical Certificate, otherwise a zero mark would be awarded for the paper that the student has missed. 	