

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

SUBJECT	COMPONENT/TOPIC
English	Paper 1: Section A: Editing Section B: Situational Writing Section C: Continuous Writing Paper 2: Comprehension and Summary Paper 3: Listening Comprehension
Mathematics	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 Lower Secondary Topics Numbers Factors and Multiples Ratio, Rate & Percentages
Mathematics (OOS)	Sec 3E Textbook Chapter 1 Quadratic Equations and Functions Chapter 2 Linear Inequalities Chapter 3 Indices Chapter 4 Coordinate Geometry Chapter 5 Functions and Graphs Chapter 6 Congruence and Similarity Chapter 7 Further Trigonometry Lower Secondary Topics Numbers, Factors and Multiples Ratio, rate & Percentages Algebra Number Pattern
A Math	Textbook A Chapter 1 Quadratic Functions Chapter 2 Equations and Inequalities Chapter 3 Surds Chapter 4 Polynomials and Partial Fractions Chapter 7 Coordinate Geometry

SUBJECT	COMPONENT/TOPIC		
	Chapter 8 Circles Chapter 10 Trigonometric Functions Chapter 11.1 to 11.4 Trigonometric Identities and Equations		
Science (Physics)	1. Physical Quantities, Units and Measurements 2. Kinematics 3. Force and Pressure 4. Dynamics 5. Energy 6. Kinetic Particle Model of Matter 7. Thermal Processes		
Science (Chemistry)	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 A_r and M_r ; (Mole calculation & stoichiometry excluded) Chapter 8 - Acids and Bases Chapter 11 - The Periodic Table		
Science (Physics) OOS	1. Physical Quantities, Units and Measurement 2. Kinematics 3. Force and Pressure 4. Dynamics 5. Turning Effect of Forces 6. Energy 7. Kinetic Particle Model of Matter 8. Thermal Processes 9. General Wave Properties		
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 8 - Acids and Bases Chapter 11 - The Periodic Table Chapter 12 - The Reactivity Series (12.1 only)		
Science (Biology)	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)		
Chinese Language (Normal Academic)	试卷一： 1. 电邮(二选一) 2. 作文(三选一)	试卷二：e-Written 1. 综合填空 2. 阅读理解一 3. 阅读理解二	试卷三： 1. 听力考试

SUBJECT	COMPONENT/TOPIC		
		技能: 1A - 3B 技能	
Chinese B (CLB)	试卷一: e-Written 电子邮件和看图作文(二选一)	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. 听力考试
Malay Language	Paper 1 A: Penulisan Fungsional B: Penulisan Karangan	Paper 2 - e-Written A: Penggunaan Bahasa B: Kefahaman Objektif C: Kefahaman Subjektif	Paper 3 Kefahaman Mendengar
Malay B (MLB)	Paper 1 - e-Written 1. Penulisan E-mel 2. Penulisan Karangan Bergambar	Paper 2 - e-Written A: Melengkapkan Teks B: Kefahaman 1 C: Kefahaman 2	Paper 3 Kefahaman Mendengar
Tamil Language	தாள் 1- மின்னஞ்சல் / கட்டுரை	தாள் 2 - e-Written A1. மரபுத்தொடர் / இணைமொழி A2. முன்னுணர்வுக் கருத்தறிதல் A3. தெரிவுவிடைக் கருத்தறிதல் B4. பிழை திருத்தம் C5. சுயவிடைக் கருத்தறிதல் / சொற்பொருள்	தாள் 3 கேட்டல் கருத்தறிதல்
Tamil B (TLB)	தாள் 1- மின்னஞ்சல் / கட்டுரை	தாள் 2 - e-Written A1. முன்னுணர்வுக் கருத்தறிதல் B2. கருத்துவிளக்கப்படக் கருத்தறிதல் 1 C3. தெரிவுவிடைக் கருத்தறிதல்	தாள் 3 கேட்டல் கருத்தறிதல்
Social Studies	SBQ : 5 questions Making inference: message, partiality and purpose Comparing sources Evaluating sources Section B: Issue 2: Living in a Diverse Society SRQ : 2 Questions 6 & 7		
Elective Geography	GIEL Tectonics: Topic 1.1 and 1.4		
Elective Geography (OOS)	GIEL Tectonics: Topics 1 & 2 (volcanoes only)		

SUBJECT	COMPONENT/TOPIC
Elective History	<p>Section A: SBQ Outbreak of War in Europe Skills: Inference, purpose, comparison, evaluation</p> <p>Section B: SEQ League of Nations Rise of Hitler Outbreak of War in the Asia Pacific</p>
D&T	<p>1.Design question 2.Electronics 3.Mechanism</p> <p>Coursework component: 1. Journal 2. Mock up 3. Prototype</p>
NFS	<p>All Topics except Chapter 10 - Sustainable Food Consumption</p> <p>Coursework Component Research Decision Making Exploratory Study <ul style="list-style-type: none"> - Plan and Conduct - Discussion Planning Execution <ul style="list-style-type: none"> - Organisation and Management - Manipulation - Product and Presentation Evaluation</p>
POA	<p>Chapter 1 Introduction to Accounting Chapter 2 Accounting Information System Chapter 3 Elements of Financial Statements and the Accounting Equation Chapter 4 Double-entry Recording Chapter 5 Trial Balance and Financial Statements Chapter 6 Revenue and Other Income Chapter 7 Cost of Sales and Other Expenses Chapter 8 Cash Chapter 9 Inventories Chapter 12 Trade Payables Chapter 14 Equities (Financial Statements with Adjustments only)</p>
Art	Paper 1: Visual Response
<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. 	