

**Bartley Secondary School**  
**End-of-Year Exam Component/Topics 2023**  
**Secondary Three Normal (Academic)**

SUBJECT	COMPONENT/TOPIC
<b>English</b>	Paper 1: Section A: Editing Section B: Situational Writing Section C: Continuous Writing  Paper 2: Comprehension and Summary  Paper 3: Listening Comprehension
<b>Mathematics</b>	Sec 3 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 Functions and Graphs Chapter 8 Trigonometric Ratios Chapter 9 Further Trigonometry  Lower Secondary Topics Numbers Factors and Multiples Ratio, Rate & Percentages Polygon
<b>Mathematics (OOS)</b>	Sec 3 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 Chapter 8.2 : Angle elevation and depression  Lower Secondary Topics Numbers, Factors and Multiples Ratio, rate & Percentages Algebra Polygon Number Patterns
<b>Science (Chem)</b>	1. Experimental Design 2. Methods of Purification and Analysis

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	3. Kinetic Particle Theory 4. Elements, Compounds and Mixtures 5. Atomic Structure 6. Chemical Bonding and Structure 7. Chemical Calculations (Ar, Mr, Mole Concept) 8. Patterns in the Periodic Table 9. Metals		
<b>Science (Chem) OOS</b>	1. Experimental Design 2. Methods of Purification and Analysis 3. Kinetic Particle Theory 4. Elements, Compounds, Mixtures 5. Atomic Structure 6. Chemical Bonding 7. Formulae and Equation [Chemical & Ionic] 8. Periodic Table 9. Metals 10. Acids and Bases		
<b>Science (Phy)</b>	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 8. General Wave Properties I: Introduction		
<b>Science (Bio)</b>	1. Cell Structure 2. Movement of Substances 3. Biological Molecules 4. Nutrition in Humans 5. Nutrition and Transport in Plants		
<b>Science (Bio) OOS</b>	1. Cell Structure 2. Movement of Substances 3. Biological Molecules 4. Nutrition in Humans 5. Nutrition and Transport in Plants		
<b>Chinese Language (Express)</b>	试卷一 ● 电邮(二选一) ● 作文(三选一)	试卷二 字词:单元五 技能:1A – 3B 技能 1. 综合填空 2. 词语替换 3. 阅读理解一 4. 阅读理解二	试卷三 ● 听力(T4W3 during curriculum)
<b>Chinese Language (Normal)</b>	试卷一 ● 电邮(二选一) ● 作文(三选一)	试卷二 技能:1A – 3B 技能 1. 综合填空	试卷三 ● 听力(T4W3 during curriculum)

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Academic)		2. 阅读理解一 3. 阅读理解二	
Chinese Language B Syllabus (CLB)	试卷一 (e-SBA) ● 电子邮件和看图作文 (二选一)	试卷二 (e-SBA) 1. 语文应用 2. 阅读理解一 3. 阅读理解二	试卷三 ● 听力 (T4W3 during curriculum)
Malay Language	<b>Kertas 1</b> ● Penulisan Fungsional/ E-mel ● Karangan	<b>Kertas 2</b> ● Bahagian A: Penggunaan Bahasa - Prosedur cloze ● Bahagian B: Kefahaman Objektif - Melengkapkan dialog - Jawap soalan MCQ ● Bahagian C: Kefahaman Subjektif	<b>Kertas 3</b> ● Kef. Mendengar (T4W3 during curriculum)
Tamil Language	தாள் 1: ● மின்னஞ்சல் ● கட்டுரை/கதை	தாள் 2 : ● மரபுத்தொடர்/ இணைமொழி ● முன்னுணர்வுக் கருத்தரித்தல் ● பிழை திருத்தம் ● தெரிவுவிடைக் கருத்தரித்தல் ● சுயவிடைக் கருத்தறிதல்	தாள் 3: ● கேட்டல் கருத்தறிதல் (T4W3 during curriculum)
Social Studies	Source Based Question: Inference, Comparison and Evaluation. Structured Response Question: Issue 2 (Living in a Diverse Society)		
Elective Geography	Geography of Everyday Life Climate (only Topic 1)		
Elective History	Source Based Question: Inference, Comparison and Evaluation. Structured Essay Question: 4. Outbreak of World War 2 In Europe 5. Outbreak of World War 2 in the Pacific 6. Impact of the Treaty of Versailles		
Elective Literature	Section A: Set Text [A Hundred Flowers (Pgs 1 - 83)] Section B: Unseen Poetry (Global and Singaporean)		

SUBJECT	COMPONENT/TOPIC
<b>D&amp;T</b>	Chapter 2: Formulating your Design Brief and Specifications Chapter 3 : Generating and Developing Your Ideas Chapter 4: Communication your Proposed Design Solution Chapter 6:Material Chapter 8:Control Systems Chapter 9:Electronic Chapter 10:Mechanism
<b>NFS</b>	All Topics tested
<b>POA</b>	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)
<b>Art</b>	Paper 2 Drawing and Painting Themes will be given 3 weeks prior to exam date