

**Bartley Secondary School**  
**End-of-Year Exam Component/Topics 2023**  
**Secondary Three Express**

<b>SUBJECT</b>	<b>COMPONENT/TOPIC</b>
<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 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>A Math</b>	Textbook A Chapter 1 Quadratic Functions Chapter 2 Equations and Inequalities Chapter 3 Surds Chapter 4 Polynomials and Partial Fractions Chapter 5 Exponential and Logarithmic Functions Chapter 6 Binomial Theorem Chapter 7 Coordinate Geometry Chapter 8 Circles Chapter 9 Applications of Straight Line Graphs Chapter 10 Trigonometric Functions Chapter 11.1 to 11.4 Trigonometric Identities and Equations

SUBJECT	COMPONENT/TOPIC
<b>Physics</b>	<ol style="list-style-type: none"> <li>1. Physical Quantities, Units and Measurement</li> <li>2. Kinematics</li> <li>3. Dynamics</li> <li>4. Turning Effect of Forces</li> <li>5. Pressure</li> <li>6. Energy</li> <li>7. Kinetic Particle Model of Matter</li> <li>8. Thermal Processes</li> <li>9. Thermal Properties of Matter</li> <li>10. General Properties of Waves</li> </ol>
<b>Chemistry</b>	<ol style="list-style-type: none"> <li>1. Experimental Design</li> <li>2. Methods of Purification &amp; Analysis</li> <li>3. Kinetic Particle Theory</li> <li>4. Element, Compound, Mixture</li> <li>5. Atomic Structure</li> <li>6. Chemical Bonding, Structure &amp; Properties of Materials</li> <li>7. Acids, Bases &amp; Salts</li> <li>8. The Periodic Table</li> <li>9. Metals</li> <li>10. Mole Concept &amp; Stoichiometry (inclusive of % purity, % mass, % yield, limiting reactant)</li> <li>11. Identification of Ions &amp; Gases</li> <li>12. Formula &amp; Equation (Chemical &amp; Ionic)</li> </ol>
<b>Biology</b>	<ol style="list-style-type: none"> <li>1. Cell Structure</li> <li>2. Movement of Substances</li> <li>3. Biological Molecules</li> <li>4. Nutrition in Humans</li> <li>5. Nutrition and Transport in Plants</li> <li>6. Transport in Humans</li> </ol>
<b>Science (Physics)</b>	<ol style="list-style-type: none"> <li>1. Physical Quantities, Units and Measurement</li> <li>2. Kinematics</li> <li>3. Force and Pressure</li> <li>4. Dynamics</li> <li>5. Turning Effect of Forces</li> <li>6. Energy</li> <li>7. Kinetic Particle Model of Matter</li> <li>8. Thermal Processes</li> </ol>
<b>Science (Chem)</b>	<ol style="list-style-type: none"> <li>1. Experimental Design</li> <li>2. Methods of Purification and Analysis</li> <li>3. Kinetic Particle Theory</li> <li>4. Elements, Compounds, Mixtures</li> <li>5. Atomic Structure</li> <li>6. Chemical Bonding</li> <li>7. Formulae and Equation [Chemical &amp; Ionic]</li> <li>8. Periodic Table</li> <li>9. Metals</li> <li>10. Acids and Bases</li> </ol>

SUBJECT	COMPONENT/TOPIC		
<b>Science (Biology)</b>	1. Cell Structure 2. Movement of Substances 3. Biological Molecules 4. Nutrition in Humans 5. Nutrition and Transport in Plants		
<b>Chinese Language</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 B Syllabus (CLB)</b>	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)
<b>Malay Language</b>	<u><b>Kertas 1</b></u> ● Penulisan Fungsional/ E-mel ● Karangan	<u><b>Kertas 2</b></u> ● Bahagian A: Penggunaan Bahasa - Prosedur cloze - Semakan (editing) - Betul/Salah ● Bahagian B: Kefahaman Objektif ● Bahagian C: Kefahaman Subjektif	<u><b>Kertas 3</b></u> ● Kefahaman Mendengar – (T4W3 during curriculum)
<b>Malay Language Syllabus B (e-SBA)</b>	<u><b>Kertas 1 (e-SBA)</b></u> ● E-mel atau Gambar bersiri	<u><b>Kertas 2</b></u> ● Bahagian A: melengkapkan teks ● Bahagian B: Kefahaman ● Bahagian C: Kefahaman	<u><b>Kertas 3</b></u> ● Kef. Mendengar (T4W3 during curriculum)
<b>Tamil Language</b>	<b>தாள் 1:</b> ● மின்னஞ்சல் ● கட்டுரை/கதை	<b>தாள் 2 :</b> ● மரபுத்தொடர்/ இணைமொழி ● முன்னுணர்வுக் கருத்தறித்தல் ● பிழை திருத்தம் ● தெரிவுவிடைக் கருத்தறித்தல் ● சுயவிடைக் கருத்தறிதல்	<b>தாள் 3:</b> ● வாசிப்பு ● உரையாடல் ● கேட்டல் ● கருத்தறிதல்

SUBJECT	COMPONENT/TOPIC
Geography	Paper 1: Geography of Everyday Life (Topic 3) Tourism  Paper 2: Geography of Everyday Life (Topic 1 & 2) Climate
<b>Social Studies</b>	Source Based Question: Inference, Comparison and Evaluation. Structured Response Question: Issue 2 (Living in a Diverse Society)
<b>Elective Geography</b>	Geography of Everyday Life Climate (only Topic 1)
<b>Elective History</b>	Source Based Question: Inference, Comparison and Evaluation. Structured Essay Question: <ol style="list-style-type: none"> <li>1. Outbreak of World War 2 In Europe</li> <li>2. Militarist Japan</li> <li>3. Impact of the Treaty of Versailles</li> </ol>
<b>Elective Literature</b>	Section A: Set Text [A Hundred Flowers (Pgs 1 - 83)] Section B: Unseen Poetry (Global and Singaporean)
<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 7:Structure  Chapter 8:Control Systems  Chapter 9:Electronic  Chapter 10:Mechanism
<b>NFS</b>	All Topics except Chapter 10 - Sustainable Food Consumption Chapter 15 - Food Safety Chapter 16 - Convenience Foods

SUBJECT	COMPONENT/TOPIC
<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