Bartley Secondary School
End-of-Year Exam Component/Topics 2026

Secondary 3 - Subject Level: G3

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 3G3 Textbook** Chapter 1 Quadratic Equations and Functions Chapter 2 Linear Inequalities Chapter 3 Indices Chapter 4 Coordinate Geometry Chapter 5 Functions and Graphs Chapter 6.1 - 6.4 Congruence and Similarity Chapter 7 Further Trigonometry Chapter 8 Applications of Trigonometry **Lower Secondary Topics** 1. Algebra 2. Percentage 3. Numbers and their operations 4. Ratio and proportion 5. Rate and speed 6. Angles and triangles 7. Mensuration
A Math	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 11.2 Trigonometric Identities and Equations

Bartley Secondary School
End-of-Year Exam Component/Topics 2026

Secondary 3 - Subject Level: G3

SUBJECT	COMPONENT/TOPIC
Physics	1. Physical Quantities, Units and Measurements 2. Kinematics 3. Dynamics 4. Turning Effects of Forces 5. Pressure 6. Energy 7. Kinetic Particle Model of Matter 8. Thermal Processes 9. Thermal Properties of Matter 10. General Wave Properties 11. Electromagnetic Spectrum
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 and Stoichiometry Chapter 8: Acids and Bases Chapter 9: Salts Chapter 11: Qualitative Analysis Chapter 14: The Periodic Table
Biology	1. Cell Structure and Organisation 2. Movement of Substances 3. Biological Molecules (Nutrients and Enzymes) 4. Nutrition in Humans 5. Transport in Humans 6. Respiration in Humans 7. Excretion in Humans 9. Infectious Diseases in Humans 10. Nutrition and Transport in Flowering Plants
Science (Physics)	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)	Chapter 1 - Experimental Chemistry Chapter 2 - Kinetic Particle Theory Chapter 3 - Atomic Structure Chapter 4 - Chemical Bonding Chapter 5.1 to 5.3 - Structure and Properties of Materials

Bartley Secondary School
End-of-Year Exam Component/Topics 2026

Secondary 3 - Subject Level: G3

SUBJECT	COMPONENT/TOPIC		
	Chapter 6 - Chemical Formulae and Equations Chapter 7 - Mole Concept and Stoichiometry (excluding limiting reagents) Chapter 8 - Acids and Bases Chapter 11 - The Periodic Table		
Science (Biology)	1. Cell Structure and Organisation 2. Movement of Substances 3. Biological Molecules (Nutrients and Enzymes) 4. Nutrition in Humans 5. Transport in Humans 8. Nutrition and Transport in Flowering Plants		
Higher Chinese	试卷一： 1. 电邮（二选一） 2. 作文（三选一	试卷二： 1. 综合填空 2. 词语替换 3. 病句改正 4. 阅读理解一 5. 阅读理解二 字词：1A - 4B G3 字词 技能：1A - 4B G3 技能	试卷三： 1. 听力考试（T2已进行）
Chinese Language	试卷一： 1. 电邮（二选一） 2. 作文（三选一）	试卷二： 1. 综合填空 2. 词语替换 3. 阅读理解一 4. 阅读理解二 字词：单元五 技能：1A - 3B 技能	试卷三： 1. 听力考试
Malay Language	**Paper 1** A: Penulisan Fungsional B: Penulisan Karangan	**Paper 2** A: Penggunaan Bahasa B: Kefahaman Objektif C: Kefahaman Subjektif	**Paper 3** Kefahaman Mendengar
Tamil Language	தாள் 1 மின்னஞ்சல் கட்டுரை / கதை	தாள் 2 A1. மரபுத்தொடர் / இணைமொழி A2.முன்னுணர்வுக் கருத்தறிதல் A3. தெரிவுவிடைக் கருத்தறிதல் B4. பிழை திருத்தம் C5. சுயவிடைக் கருத்தறிதல் / சொற்பொருள்	தாள் 3 கேட்டல் கருத்தறிதல்

Bartley Secondary School
End-of-Year Exam Component/Topics 2026

Secondary 3 - Subject Level: G3

SUBJECT	COMPONENT/TOPIC
Social Studies	**Section A: SBQ** Issue 2: Living in a Diverse Society ● Inference ● Purpose ● Comparison ● Reliability ● Assertion **Section B: SRQ** Issue 1: Exploring Citizenship and Governance
Elective Geography	GIEL Tectonics: Topics 1 & 2 (volcanoes only)
Elective History	**Section A: SBQ** Nazi rule in Germany ● Inference ● Purpose ● Comparison ● Evaluation **Section B: SEQ** Treaty of Versailles Militarist Japan World War II in Europe
D&T	1.Design question 2.Electronics 3.Mechanism 4.Structures Coursework component: 1. Journal 2. Mock up 3. Prototype
NFS	All Topics except Chapter 10 - Sustainable Food Consumption Chapter 16 - Convenience Foods Coursework component: - Research - Investigation - Plan - Investigation - Conduct - Investigation - Apply - Execution - organisation and management - Execution - manipulation - Execution - product and presentation

Bartley Secondary School
End-of-Year Exam Component/Topics 2026

Secondary 3 - Subject Level: G3

SUBJECT	COMPONENT/TOPIC
	- Evaluation
POA	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
Art	Paper 1: Visual Response

Please note that

- 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.

Bartley Secondary School
End-of-Year Exam Component/Topics 2026

Secondary 3 - Subject Level: G2

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 3G2 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 Graph Chapter 8 Trigonometric Ratios Chapter 9.1 Further Trigonometry **Lower Secondary Topics** 1. Factors and Multiples 2. Estimation and Approximation 3. Ratio and Rate 4. Expansion and Factorisation of Algebraic Expressions 5. Algebraic Fractions and Formulae
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 5.1 to 5.3 - Structure and Properties of Materials Chapter 6 - Chemical Formulae and Equations Chapter 7.1 & 7.2 - Mole Concept Chapter 8 - Acids and Bases Chapter 11 - The Periodic Table
Science	1. Cell Structure and Organisation 2. Movement of Substances

Bartley Secondary School
End-of-Year Exam Component/Topics 2026

Secondary 3 - Subject Level: G2

SUBJECT	COMPONENT/TOPIC		
(Biology)	3. Biological Molecules (Nutrients and Enzymes) 4. Nutrition in Humans 8. Nutrition in Flowering Plants		
Chinese Language	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 技能：1A - 3B 技能	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
Tamil Language	தாள் 1- மின்னஞ்சல் கட்டுரை / கதை	தாள் 2 - e-Written A1. மரபுத்தொடர் / இணைமொழி A2.முன்னுணர்வுக் கருத்தறிதல் A3. தெரிவுவிடைக் கருத்தறிதல் B4. பிழை திருத்தம் C5. சுயவிடைக் கருத்தறிதல் / சொற்பொருள்	தாள் 3 கேட்டல் கருத்தறிதல்
Social Studies	**Section A: SBQ** Issue 2: Living in a Diverse Society ● Inference ● Purpose ● Comparison ● Reliability ● Assertion **Section B: SRQ** Issue 1: Exploring Citizenship and Governance		
Elective Geography	GIEL Tectonics: Topic 1.1		

Bartley Secondary School
End-of-Year Exam Component/Topics 2026

Secondary 3 - Subject Level: G2

SUBJECT	COMPONENT/TOPIC
Elective History	**Section A: SBQ** Nazi rule in Germany ● Inference ● Purpose ● Comparison ● Evaluation **Section B: SEQ** Treaty of Versailles World War II in Europe World War II in the Asia-Pacific
D&T	1.Design question 2.Electronics 3.Mechanism Coursework component: 1. Journal 2. Mock up 3. Prototype
NFS	All Topics except Chapter 10 - Sustainable Food Consumption Coursework Component Research Decision Making Exploratory Study - Plan and Conduct - Discussion Planning Execution - Organisation and Management - Manipulation - Product and Presentation Evaluation
POA	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
Art	Paper 1: Visual Response

Bartley Secondary School
End-of-Year Exam Component/Topics 2026

Secondary 3 - Subject Level: G2

SUBJECT	COMPONENT/TOPIC

Please note that

- 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.

Bartley Secondary School
End-of-Year Exam Component/Topics 2026

Secondary 3 - Subject Level: G1

SUBJECT	COMPONENT/TOPIC		
English	Paper 1: **e-Written** Section A: Editing Section B: Situational Writing Section C: Continuous Writing Paper 2: Language Use and Comprehension Paper 3: Listening Comprehension		
Mathematics	**Sec 3G1 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 **Lower Secondary Topics** 1. Calculator Skills 2. Estimation and Approximation 3. Algebra 4. Percentage 5. Rate, ratio and proportion 6. Volume and Surface Area of Prisms and Cylinder 7. Data Handling 8. Congruence & Similarity 9. Number Patterns		
Science	Chapter 1: Energy Chapter 2: Electricity Chapter 3: Waves Chapter 4: Effects of Force Chapter 6: Food Chemistry Chapter 7: Food Safety		
Chinese Language	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	**Paper 1 - e-Written**	**Paper 2 - e-Written**	**Paper 3**

Bartley Secondary School
End-of-Year Exam Component/Topics 2026

Secondary 3 - Subject Level: G1

SUBJECT	COMPONENT/TOPIC		
	Penulisan Fungsional	A: Melengkapkan Teks B: Kefahaman 1 C: Kefahaman 2	1. Lisan (T3W7) 2. Kefahaman Mendengar
Basic Tamil	**<u>தாள் 1</u> e-Written** நடைமுறை சார்ந்த படைப்பு	**<u>தாள் 2</u> e-Written** 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)
Computing	**Paper 1 (e-Examination)** Module 1: Computer fundamentals Module 2: Networking Module 3: Impact of computing Module 4: Document processing Module 6: Media software Module 7: Programming **Paper 2 (Lab-based Examination)** Module 4: Document processing Module 6: Media software Module 7: Programming		
Mobile Robotics	Paper 1 (MCQ): ● Mobile Robots ● Basic Electricity ● Basic Electronics ● Digital Electronics ● Input and Output Devices Paper 2 (Practical): Set up a logic circuit on a breadboard.		
NFS	Written paper:		

Bartley Secondary School
End-of-Year Exam Component/Topics 2026

Secondary 3 - Subject Level: G1

SUBJECT	COMPONENT/TOPIC
	All Topics tested Coursework component: - Background Study - Decision making - Planning - Execution - Evaluation

Please note that

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