



**St Anthony's Canossian Secondary School**  
**Secondary 4E5N Preliminary Examination 2022**  
**22 – 31 August ; 12 – 16 September**

*All students remain in Form Class classrooms unless otherwise stated.*

Date	Time	Paper	Subject Code
22 Aug (Mon)	0815 – 0915 (1h)	English Language Listening (with 4NA)	1128/3
	1000 – 1150 (1 h 50 min)	English Language (with 4NA)	1128/1
	1240 – 1430 (1 h 50 min)	English Language (with 4NA)	1128/2
23 Aug (Tue)	0800 – 0950 (1 h 50 min)	Biology Practical candidates report @ 0720 and dismissed @ 1010	6093/3
	0815 – 0930 (1 h 15 min)	Science (Phy/Bio)	5077/4
	0815 – 0930 (1 h 15 min)	Science (Chem/Bio)	5078/4
	1115 – 1315 (2 h)	Mathematics (with 4NA)	4048/1
24 Aug (Wed)	0800 – 0950 (1 h 50 min)	Physics Practical candidates report @ 0720 and dismissed @ 1010	6091/3
	0815 – 1015 (2 h)	Design and Technology	7059/1
	0815 – 1015 (2 h)	Nutrition and Food Science	6097/1
	0815 – 0955 (1 h 40 min)	Geography	2236/1
	1100 – 1315 (2 h 15 min)	Additional Mathematics	4049/1
25 Aug (Thu)	0900 – 1050 (1 h 50 min)	Chemistry Practical (Shift 1) candidates report @ 0820 and dismissed @ 1110	6092/3
	1140 – 1330 (1 h 50 min)	Chemistry Practical (Shift 2) candidates to report @ 1030 and dismissed @ 1340	6092/3
	0915 – 1055 (1 h 40 min)	Literature in English	2065/1

Date	Time	Paper	Subject Code
26 Aug (Fri)	0815 – 1015 (2 h)	Higher Chinese	1116/1
	0815 – 1015 (2 h)	Chinese (with 4NA) Malay (with 4NA)	1160/1 1148/1
	0815 – 0905 (50 min)	Chinese B (with 4NA) Venue: Computer Lab 1	1153/1
	1100 – 1245 (1 h 45 min)	Higher Chinese	1116/2
	1100 – 1230 (1 h 30 min)	Chinese (with 4NA) Malay (with 4NA)	1160/2 1148/2
	1015 – 1115 (1 h)	Chinese B (with 4NA) Venue: Computer Lab 1	1153/2
	1400 – 1700 (3 h)	Drama Practical	2299/2
29 Aug (Mon)	0815 – 1045 (2 h 30 min)	Mathematics (with 4NA)	4048/2
	1200 – 1340 (1 h 40 min)	Geography Elective History Elective Literature Elective	2272/2 2273/2 2274/2
30 Aug (Tue)	0800 – 0930 (1 h 30 min)	Combined Science Practical (Shift 1) candidates report @ 0720 and dismissed @ 1200	5076/5 5077/5 5078/5
	1020 – 1150 (1 h 30 min)	Combined Science Practical (Shift 2) candidates report @ 0915 and dismissed @ 1200	5076/5 5077/5 5078/5
	1240 – 1410 (1 h 30 min)	Combined Science Practical (Shift 3) candidates report @ 1115 and dismissed @ 1420	5076/5 5077/5 5078/5
	0815 – 1000 (1 h 45 min)	Biology	6093/2
31 Aug (Wed)	0815 – 0930 (1 h 15 min)	Science (Phy/Chem) Science (Chem/Bio)	5076/3 5078/3
	0815 – 1000 (1 h 45 min)	Chemistry	6092/2
September Holidays			

Date	Time	Paper	Subject Code
12 Sept (Mon)	0815 – 1000 (1 h 45 min)	Social Studies	2272/1 2273/1 2274/1
	1100 – 1245 (1 h 45 min)	Physics	6091/2
	1100 – 1215 (1 h 15 min)	Science (Phy/Chem) Science (Phy/Bio)	5076/2 5077/2
13 Sept (Tue)	0815 – 0915 (1 h)	Principles of Accounts	7087/1
	0815 – 1045 (2 h 30 min)	Drama	2299/1
14 Sept (Wed)	0815 – 0945 (1 h 30 min)	Geography	2236/2
	1100 – 1315 (2 h 15 min)	Additional Mathematics	4049/2
15 Sept (Thu)	0915 – 1045 (1 h 30 min)	Literature in English	2065/2
	0915 – 1015 (1 h)	Chemistry	6092/1
	1200 – 1400 (2 h)	Principles of Accounts	7087/2
	1200 – 1500 (3 h)	Art <i>Venue: Art Studio 1</i>	6123/2
16 Sept (Fri)	0815 – 0915 (1 h)	Science (Phy/Chem) Science (Phy/Bio) Science (Chem/Bio)	5076/1 5077/1 5078/1
	0815 – 0915 (1 h)	Physics	6091/1
	1000 – 1100 (1 h)	Biology	6093/1

## 4E5N Preliminary Examination 2022

Paper	Scope of Testing
English Language	Paper 1: Editing, Situational Writing and Continuous Writing Paper 2: Comprehension and Summary Paper 3: Listening Comprehension
Chinese Language	Paper 1: Email writing (20 marks) Choose 1 Question out of 2 to attempt Essay Writing (40 marks) Choose 1 Question out of 3 to attempt Paper 2: Key skills learnt in Sec 1-4 <ol style="list-style-type: none"> <li>1. Cloze passage (10 marks)</li> <li>2. MCQ Comprehension (20 marks)</li> <li>3. Open-ended Comprehension (40 marks)</li> </ol>
Malay Language	Paper 1: Email writing (20 marks) Choose 1 Question out of 2 to attempt Essay Writing (40 marks) Choose 1 Question out of 3 to attempt Paper 2 (70 marks) Section A (30m) Q1- Imbuhan Q2-Peribahasa Q3- Melengkapkan Teks Section B(10m) B1- Kefahaman Objektif-3 Soalan B2- Kefahaman Objektif-2 Soalan. Section C (30m) -Kefahaman Subjektif
Higher Chinese Language	Paper 1: Email writing (20 marks) Choose 1 Question out of 2 to attempt Essay Writing (60 marks) Choose 1 Question out of 3 to attempt Paper 2: Key skills learnt in Sec 1-4 Test items: Cloze passage (10 marks) Editing sentences (10 marks) MCQ Comprehension (10 marks) Open-ended Comprehension (38 marks) Summary (12 marks)

Paper	Scope of Testing
Chinese Language Syll B	Paper 1: Email or Essay (20 marks) Choose 1 Question out of 2 to attempt
	Paper 2: 10 MCQ based on Application [10 m] 10 Comprehension MCQ based on short passages, text-based sources. [20m]
Mathematics	<p><b>Strand 1: Numbers and Algebra</b>            Numbers and their operations            Ratio and Proportion            Percentage            Rate and Speed            Algebraic expressions and formulae            Function and graphs            Equations and inequalities            Set Language and Notation            Matrices</p> <p><b>Strand 2: Geometry and Measurement</b>            Angles, triangles and polygons            Congruence and Similarity            Properties of Circles            Pythagoras' theorem and trigonometry            Mensuration            Coordinate geometry            Vectors in two dimensions</p> <p><b>Strand 3: Statistics and Probability</b>            Data analysis            Probability</p> <p>Problems in real-world contexts</p>

Paper	Scope of Testing
Additional Mathematics	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: Trigonometric Identities and Equations Chapter 12: Differentiation Chapter 13: Tangents, Normal and Rates of Change Chapter 14: Maxima and Minima Chapter 15: Differentiation of Trigonometric, Exponential and Logarithmic Functions Chapter 16: Integration Chapter 17: Applications of Integration Chapter 18: Kinematics Chapter 19: Plane Geometry
Principles of Accounts	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 10: Trade Receivables Chapter 11: Non-current Assets Chapter 12: Trade Payables Chapter 13: Long-term Borrowings Chapter 14: Equities Chapter 15: Correction of errors Chapter 16: Financial Statement Analysis Scenario-based questions on Trade Receivables, Trade Payables and Inventories
Nutrition & Food Science	Theory Paper: (100marks) Section A: 15 Marks - Multiple Choice Questions Section B: 55 Marks - short Answer Type and Data Response Questions Section C: 30 Marks - Open Ended Questions Topics: 1) Nutrients 2) Food commodities 3) Meal planning 4) Methods of cooking 5) Reactions in food preparation

Paper	Scope of Testing
Science (Physics)	Chapter 1: Physical Quantities, Units and Measurement Chapter 2: Kinematics Chapter 3: Dynamics Chapter 4: Mass, Weight and Density Chapter 5: Turning Effect of Forces Chapter 6: Pressure Chapter 7: Energy, Work and Power Chapter 8: Kinetic Model of Matter Chapter 9: Transfer of Thermal Energy Chapter 10: Thermal Properties of Matter Chapter 11: General Wave Properties Chapter 12: Light Chapter 13: Electromagnetic Spectrum Chapter 14: Sound Chapter 15: Static Electricity Chapter 16: Current of Electricity Chapter 17: D.C. Circuits Chapter 18: Practical Electricity Chapter 19: Magnetism and Electromagnetism
Science (Chemistry)	Chapter 1: Kinetic Particle Theory Chapter 2: Experimental Design Chapter 3: Purification of Substances Chapter 4: Element, Compounds and Mixtures Chapter 5: Structure of Atoms Chapter 6: Chemical Bonds Chapter 7-9; Stoichiometry, Mole Concept and Calculation using Chemical Equations Chapter 10-11: Acids, Bases and Salts Chapter 11: Chemical Analysis Chapter 12: Redox Reactions Chapter 13: Metals Chapter 14: Periodic Table, Group Properties and Transition Elements Chapter 15: Energy Changes Chapter 16: Speed of Reaction Chapter 17: Atmosphere and Environment Chapter 18: Fuels and Crude Oil Chapter 19: Alkanes and Alkenes Chapter 20: Alcohols, Carboxylic Acids

Paper	Scope of Testing
Science (Biology)	Chapter 1: Cell Structure and Organisation Chapter 2: Movement of Substances Chapter 3: Biological Molecules (incl. Enzymes) Chapter 4: Nutrition in Humans Chapter 5: Nutrition in Plants Chapter 6: Transport in Flowering Plants Chapter 7: Transport in Humans Chapter 8: Respiration in Humans Chapter 9: Coordination and Response in Humans (Nervous system, The Eyes & Hormones) Chapter 10: Reproduction (Plants & Humans) Chapter 11: Molecular Genetics Chapter 12: Inheritance Chapter 13: Organisms and Their Environment
Physics	Chapter 1: Physical Quantities, Units and Measurement Chapter 2: Kinematics Chapter 3: Dynamics Chapter 4: Mass, Weight and Density Chapter 5: Turning Effect of Forces Chapter 6: Pressure Chapter 7: Energy, Work and Power Chapter 8: Kinetic Model of Matter Chapter 9: Transfer of Thermal Energy Chapter 10: Temperature Chapter 11: Thermal Properties of Matter Chapter 12: General Wave Properties Chapter 13: Light Chapter 14: Electromagnetic Spectrum Chapter 15: Sounds Chapter 16: Static Electricity Chapter 17: Current of Electricity Chapter 18: D.C. Circuits Chapter 19: Practical Electricity Chapter 20: Magnetism Chapter 21: Electromagnetism Chapter 22: Electromagnetic Induction



Paper	Scope of Testing
Chemistry	<p>Chapter 1: Kinetic Particle Theory  Chapter 2: Measurement in Chemistry  Chapter 3: Separation and Purification  Chapter 4: Element, Compounds and Mixtures  Chapter 5: Structure of Atoms  Chapter 6-7: Ionic, Covalent and Metallic Bonding  Chapter 8-10: Stoichiometry, Mole Concept and Chemical Calculations  Chapter 11: Acids, Bases  Chapter 12: Preparation of Salts  Chapter 12: Chemical Analysis  Chapter 13: Redox Reactions  Chapter 14: Metals  Chapter 15: Electrolysis  Chapter 16: Periodic Table  Chapter 17: Energy Changes  Chapter 18: Speed of Reaction  Chapter 19: Ammonia  Chapter 20: Atmosphere and Environment  Chapter 21: Introduction to Organic Chemistry  Chapter 22: Alkanes and Alkenes  Chapter 23: Alcohols, Carboxylic Acids  Chapter 24: Macromolecules</p> <p>Practical</p> <ul style="list-style-type: none"> <li>• Qualitative Analysis</li> <li>• Volumetric Analysis</li> <li>• Graph Question</li> <li>• Planning</li> </ul>
Biology	<p>Chapter 1: Cell Structure and Organisation  Chapter 2: Movement of substances  Chapter 3: Biological Molecules (incl. Enzymes)  Chapter 4: Nutrition in Humans  Chapter 5: Nutrition in Plants  Chapter 6: Transport in Humans  Chapter 7: Transport in Flowering Plants  Chapter 8: Respiration in Humans  Chapter 9: Excretion in Humans  Chapter 10: Homeostasis  Chapter 11: Coordination and Response in Humans (Nervous system, the Eye &amp; Endocrine system)  Chapter 12: Reproduction (Plants &amp; Humans)  Chapter 13: Cell division  Chapter 14: Molecular Genetics  Chapter 15: Inheritance  Chapter 16: Organisms and Their Environment</p>

Paper	Scope of Testing
Literature in English	<p>Paper 1: Code Name Verity + Unseen Poetry Code Name Verity – 2 Essay, 1 Passage Based Question (Choose 1) Unseen Poetry – 2 Poems, Choose 1</p> <p>Paper 2: Drama- The Crucible 2 Compulsory Passage- based Questions</p>
Geography	<p><u>Paper 1:</u> Coast (Gateway 1 -3, including fieldwork) Tourism (Gateway 1 - 3, including fieldwork)</p> <p><u>Paper 2:</u> Tectonic Hazards (Gateway 1-3) Weather &amp; Climate (Gateway 1-3) Food Resources (Gateway 1-3) Health &amp; Diseases (Gateway 1, 2 and 3)</p>
History Elective	<p>SBQ: 5 Source-based questions (skills of inference, message, purpose, comparison, reliability, utility, surprised, hybrid and study all sources)</p> <p>SEQ: Unit 2 (all chapters) &amp; Unit 3 (all chapters)</p>
Geography Elective	<p>Tectonic Hazards (Gateway 1-3) Weather &amp; Climate (Gateway 1 -2, including fieldwork) Tourism (Gateway 1 -3, including fieldwork) Food Resources (Gateway 1 and 2)</p>
Literature Elective	<p>Code Name Verity + Unseen Poetry Set Text – 2 Essay, 1 Passage- Based Question (Choose 1) Unseen – 2 Poems (Choose 1)</p>
Social Studies	<p>5 Source-based questions (skill of inference, message, purpose, comparison, reliability, utility, surprised, hybrid and study all sources)</p> <p>2 Structured response questions (Chapters 1-11)</p>
Art	<p>Drawing and Painting Students are given a list of 6 themes to practice their coursework process.</p> <p>They will be assessed based on 3 A3 preparatory studies done over a course of three weeks and an A3 size artwork done in 3 hours.</p> <p>Gathering &amp; Investigation of theme (15%) Exploration and Development of Theme (25%) Aesthetic Qualities (20%) Control of Materials and Technical Processes (20%) Personal Response (20%)</p>

Paper	Scope of Testing
Drama	Coursework 60% (Performance assessment 3hr) Written paper (1hr 45min): 40% (Total: 55 marks. Unseen 15marks, Monologue short ans question 20marks, Longer Ans Qn 20marks)
Design & Technology	Written paper (2 hours): Questions on Design, Structures, Mechanisms and Electronics (Total: 80 marks)