



**St Anthony's Canossian Secondary School**  
**Secondary 4NA Preliminary Examination 2022**  
**11 – 29 August**

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

Date	Time	Paper
11 Aug (Thurs)	0915 – 1100 (1 h 45 min)	Social Studies [2175/2176/2177/01]
	1200 – 1315 (1 h 15 min)	Science (Chemistry/Biology) [5107/05/06] Science (Physics/Biology) [5106/05/06] <i>Science (Biology) paper</i>
12 Aug (Fri)	0815 – 1015 (2 h)	Chinese Language [1196/01] Malay Language [1197/01] <i>Venue : Form class</i>
	1100 – 1230 (1 h 30 min)	Chinese Language [1196/02] Malay Language [1197/02] <i>Venue : Form class</i>
15 Aug (Mon)	0815 – 1005 (1 h 50 min)	English Language Syllabus A [1190/01]
	1045 – 1235 (1 h 50 min)	English Language Syllabus A [1190/02]
16 Aug (Tue)	0815 – 0930 (1 h 15 min)	Science (Physics/Chemistry) [5105/01/02] Science (Physics/Biology) [5106/01/02] <i>Science (Physics) paper</i>
	1045 – 1230 (1 h 45 min)	Additional Mathematics [4051/01] <i>Venue: Classroom 4.3</i>
17 Aug (Wed)	0815 – 0955 (1 h 40 min)	History Elective [2176/02] Geography Elective [2175/02] Literature Elective [2177/02]
	1045 – 1245 (2 h)	Mathematics Syllabus A [4045/01]
18 Aug (Thurs)	0915 – 1030 (1 h 15 min)	Science (Physics/Chemistry) [5105/03/04] Science (Chemistry/Biology) [5107/03/04] <i>Science (Chemistry) paper</i>

Date	Time	Paper
19 Aug (Fri)	0815 – 1015 (2 h)	Mathematics Syllabus A [4045/02]
	1115 – 1215 (1 h)	Principles of Accounts [7086/01]
22 Aug (Mon)	0815 – 1000 (1 h 45 min)	Additional Mathematics [4051/02]
	0815-0915 (1h)	<u>Express</u> English Language Listening [1128/3]
	1000-1150 (1 h 50 min)	<u>Express</u> English Language [1128/1]
	1240-1430 (1 h 50 min)	<u>Express</u> English Language [1128/2]
23 Aug (Tue)	0815 – 1015 (2 h)	Principles of Accounts [7086/02]
	0815 – 0945 (1 h 30 min)	Nutrition and Food Science [6073/01]
	0815 – 1115 (3 h)	Art Syllabus A [6125/02] <i>Venue: Art Studio 2</i>
	1115-1315 (2 h)	<u>Express</u> Mathematics [4048/1]
24 Aug (Wed)	0815 – 0915 (1 h)	English Language Syllabus A [1190/03] Listening Comprehension
*26 Aug (Fri) Only for students taking MTL (Express) and Chinese B	0815-1015 (2 h)	<u>Express</u> Chinese [1160/1] Malay [1148/1]
	1100-1230 (1 h 30 min)	<u>Express</u> Chinese [1160/2] Malay [1148/2]  <i>Normal lesson after taking the paper.</i>
	0815-0905 (50 min)	Chinese B [1153/1] <i>Venue: Computer Lab 1</i>
	1015-1115 (1 h)	Chinese B [1153/2] <i>Venue: Computer Lab 1</i>  <i>Normal lesson after taking the paper.</i>
*29 Aug (Mon) Only for students taking Maths (Express)	0815-1045 (2 h 30 min)	<u>Express</u> Mathematics [4048/2]  <i>Normal lesson after taking the paper.</i>

## **Secondary 4NA Preliminary Examination 2022**

<b>Paper</b>	<b>Scope of Testing</b>
English Language Syllabus A [1190/01]	Editing, Situational Writing and Continuous Writing
English Language Syllabus A [1190/02]	Comprehension and Summary
<u>Express</u> English Language [1128/2]	Comprehension and Summary
Chinese Language [1196]	<p>Paper 1: Email writing (20 marks) Choose 1 Question out of 2 to attempt Essay Writing (40 marks) Choose 1 Question out of 4 to attempt</p> <p>Paper 2: Key skills learnt in Sec 1-4 Cloze passage (10 marks) MCQ Comprehension (20 marks) Open-ended Comprehension (30 marks)</p>
Malay Language[1197]	<p>Paper 1: Email writing (20 marks) Choose 1 Question out of 2 to attempt Essay Writing (40 marks) Choose 1 Question out of 4 to attempt</p> <p>Paper 2: Bahagian A (20m) Q1 - Imbuhan Q2 - Peribahasa Q3 - Melengkapkan Teks</p> <p>Bahagian B (10m) B1 - Kefahaman Objektif - 3 Soalan B2 - Kefahaman Objektif - 2 Soalan</p> <p>Bahagian C (30m) Kefahaman Subjektif</p>
<u>Express</u> Chinese [1160/1]	<p>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</p> <p>Paper 2: Key skills learnt in Sec 1-4</p> <p>1. Cloze passage (10 marks) 2. MCQ Comprehension (20 marks) 3. Open-ended Comprehension (40 marks)</p>

Paper	Scope of Testing
<p style="text-align: center;"><u>Express</u> Malay [1148/2]</p>	<p>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</p> <p>Paper 2 (70 marks) Section A (30m) Q1- Imbuhan Q2-Peribahasa Q3- Melengkapkan Teks</p> <p>Section B(10m) B1- Kefahaman Objektif-3 Soalan B2- Kefahaman Objektif-2 Soalan.</p> <p>Section C (30m) -Kefahaman Subjektif</p>
<p style="text-align: center;">Mathematics Syllabus A [4045]</p>	<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</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</p> <p><b>Strand 3: Statistics and Probability</b> Data analysis Probability</p> <p>Problems in real-world contexts</p>

Paper	Scope of Testing
<p style="text-align: center;"><u>Express</u> Mathematics [4048/2]</p>	<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>
<p style="text-align: center;">Principles of Accounts [7086]</p>	<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 10: Trade Receivables  Chapter 11: Non-current Assets  Chapter 12: Trade Payables  Chapter 13: Long-term Borrowings  Chapter 14: Equities (14.1, 14.2, 14.3, 14.4)  Chapter 15: Correction of Errors</p>
<p style="text-align: center;">Social Studies [2175/2176/2177/01]</p>	<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 – 9)</p>

Paper	Scope of Testing
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: Stoichiometry and Mole Concept Chapter 8-9: Periodic Table Chapter 10-11: Metals Chapter 12-13: Acids, Bases and Salts Chapter 14: Atmosphere and Environment Chapter 15: Fuels and Crude Oil Chapter 16: Alkanes and Alkenes
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: Reproduction (Plants & Humans)
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: Electromagnetic Spectrum Chapter 13: Sound Chapter 14: Current of Electricity Chapter 15: D.C. Circuits Chapter 16: Practical Electricity
Geography Elective	Tectonic Hazards (Gateway 1 – 2) Weather & Climate (Gateway 1 – 2, including fieldwork) Tourism (Gateway 1 – 3, including fieldwork)
History Elective	5 Source-based questions (skill of inference, message, purpose, comparison, reliability, utility, surprised, hybrid and study all sources)  SEQ (Unit 2 (all chapters) & Unit 3 - Chapters 1 – 2)
Literature Elective	Code Name Verity + Unseen Poetry Set Text – 2 Essay 1 Passage- Based Question (Choose 1) Unseen – 2 Poems (Choose 1)

Paper	Scope of Testing
<p>Additional Mathematics Venue: Classroom 4.3</p>	<p>Chapter 1: Quadratic Functions Chapter 2: Equations and Inequalities Chapter 3: Surds Chapter 4: Polynomials and Partial Fractions Chapter 7: Coordinate Geometry Chapter 8: Circles Chapter 10: Trigonometric Functions Chapter 11: Trigonometric Identities and Equations Chapter 12: Differentiation Chapter 13: Tangents, Normals and Rates of Change Chapter 14: Maxima and Minima</p>
<p>Nutrition &amp; Food Science</p>	<p>Written Theory Paper: (80marks) [1hour and 30 minutes] Section A 16 marks -Multiple Choice Questions Section B: 40 marks-short Answer Type and Data Response Questions Section C: 24 marks-Open Ended Questions (2 Essays) Topics: 1) Nutrients, water and dietary fibre (Chapters 1-7) 2) Food literacy (Chapters 8-9, 16) 3) Food Science (Chapters 11-15)</p>
<p>Art</p>	<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>Exploration and Development of Theme (30%) Aesthetic Qualities (25%) Control of Materials and Technical Processes (25%) Personal Response (20%)</p>