

**Gan Eng Seng School
Preliminary Examination 2024
Year 4 Express**

Subject	Format	Topics	Duration
English Language	<p>PAPER ONE [70] - 35% Writing</p> <p>Section A: Editing [10] Candidates identify and edit grammatical errors in a short written text.</p> <p>Section B: Situational Writing [30] Candidates write 250–350 words on a given situation which will involve viewing a visual text.</p> <p>Section C: Continuous Writing [30] Candidates write 350–500 words on one of four topics set.</p>	All units covered in Sec 1 - 4	1 h 50 min
	<p>PAPER TWO [50] - 35% Comprehension</p> <p>Section A [5] Candidates respond to questions based on Texts 1 and 2, one of which is a visual text.</p> <p>Section B [20] Candidates respond to a variety of questions based on Text 3, which is a narrative or a recount.</p> <p>Section C [25] Candidates respond to a variety of questions based on Text 4, a non-narrative text, and write an 80-word response to a summary writing task.</p>		1 h 50 min
	<p>PAPER THREE [30] - 10% Listening</p> <p>Section A [22] Candidates respond to a variety of listening tasks based on a number of audio recordings, which candidates will hear twice.</p> <p>Section B [8] Candidates listen to an audio recording and do a simple note-taking exercise. Candidates will hear the recording only once.</p>		45 min
	<p>PAPER FOUR [30] - 20% Oral Communication The two parts in this paper may be thematically linked.</p> <p>Part 1: Planned Response [15] Candidates plan and deliver a response to a video clip and accompanying prompt presented on a computer screen</p> <p>Part 2: Spoken Interaction [20] Candidates engage in a discussion with the examiners on a topic based on a visual stimulus.</p>		20 min (including 10 min of preparation time)

Mathematics 4052	Paper 1: [90 Marks][Weighting: 50%] There will be about 26 short answer questions. Candidates are required to answer all questions.	<p>N1 Numbers and their operations N2 Ratio and Proportion N3 Percentage N4 Rate and Speed N5 Algebraic Expressions and Formulae N6 Functions and Graphs N7 Equations and Inequalities N8 Set Language and Notation N9 Matrices G1 Angles, triangles and polygons G2 Congruence and similarity G3 Properties of Circles G4 Pythagoras' theorem and trigonometry G5 Mensuration G6 Coordinate Geometry G7 Vectors in two dimensions S1 Data handling and analysis S2 Probability</p> <p>For more details, please refer to https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/olevel/2023syllabus/4052_y23_sy.pdf</p>	2h 15 min
	Paper 2: [90 Marks][Weighting: 50%] There will be 9 to 10 questions of varying marks and lengths. The last question in this paper will focus specifically on applying mathematics to a real-world scenario. Candidates are required to answer all questions		2 h 15 min
Additional Mathematics 4049	Paper 1: [90 Marks][Weighting: 50%] 12 to 14 questions of various marks and lengths, up to 10 marks per question.Candidates are to answer ALL questions.	<p>A1 Quadratic functions A2 Equations and inequalities A3 Surds A4 Polynomials and partial fractions A5 Binomial Expansions A6 Exponential and logarithmic functions G1 Trigonometric functions, identities and equations G2 Coordinate geometry in two dimensions G3 Proofs in plane geometry C1 Differentiation and integration</p> <p>For more details, please refer to https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/olevel/2023syllabus/4049_y23_sy.pdf</p>	2 h 15 min
	Paper 2: [90 Marks][Weighting: 50%] 9 to 11 questions of various marks and lengths, up to 12 marks per question. Candidates are to answer ALL questions.		2 h 15 min

<p>Humanities (Social Studies) (2272/01 OR 2273/01)</p>	<p>Section A (35m) Candidates are to answer all 5 questions.</p> <p>Section B (15m) Candidates are to answer BOTH questions.</p>	<p>Section A: Source-Based Case Study (SBCS) Skills tested: 1. Inference 2. Purpose 3. Comparison 4. Reliability 5. Utility 6. Evaluation Section B: Structured-Response Question Issue 1: Exploring Citizenship & Governance Chapters 1 - 3 Issue 2: Living in a Diverse Society Chapters 4 - 7 Issue 3: Being Part of a Globalised World Chapters 8 - 11</p>	<p>1 h 45 min</p>
<p>Humanities (Geography) (2272/02)</p>	<p>Section A (13m) - Geographical Investigations Candidates are to answer one of 2 questions. Section B (12m) - Structured Essay Questions Candidates are to answer one of 2 questions. Section C (25m) - Structured Essay Questions Candidates are to answer one of 2 questions.</p>	<p>Section A: Geographical Investigations Topics: 1. Global Tourism 2. Variable Weather and Climate Section B: Structured Essay Questions Topics: 1. Global Tourism 2. Variable Weather and Climate Section C: Structured Essay Questions Topics: 1. Living with Tectonic Hazards 2. Geography of Food</p>	<p>1 h 40 min</p>
<p>Humanities (History) (2273/02)</p>	<p>Section A (Source Based Case Study, 30m) Candidates are to answer all questions. Section B (Structured Essay Questions, 20m) Candidates are to answer one out of two questions.</p>	<p>Unit 2 Chapters 1-7 (Sec 3 textbook) Unit 3 Chapters 1-24 (Sec 4 textbook)</p>	<p>1 h 40 min</p>
<p>Design & Technology (7059)</p>	<p>Paper 1 Written Examination (2 hours) [40% of the total mark for the subject.]</p> <p>Candidates are to answer all questions. The questions will be design-centric. Question 1 requires knowledge application of Section 1 Design. Question 2 to Question 4 require knowledge application of Section 2 Technology; specifically structures, mechanisms and electronics.</p> <p>The mark allocation is: Question 1 : 26 out of 80 marks Question 2 – 4 : 54 out of 80 marks</p>	<p>Section 1 Design 1 Planning and monitoring your design project 2 Formulating your design brief and specifications 3 Generating and developing your ideas 4 Communicating your proposed design solution 5 Realising the prototype</p> <p>Section 2 Technology 6 Materials 7 Structures 8 Control systems 9 Electronics 10 Mechanisms 11 Workshop Processes</p>	<p>2 h</p>
<p>Art 6123</p>	<p>Paper 2: Drawing and Painting [100m] Weighting: 40%</p> <p>Candidates will: - Respond to one of the six themes given - Submit preparatory studies based on given requirements</p>	<p>Not Applicable</p>	<p>3 h</p>

Biology 6093	(6093/01) Weighting: 30 % [40 marks] This paper will consist of 40 compulsory multiple choice items	1. Cell Structure and Organisation 2. Movement of Substances 3. Biological Molecules 4. Nutrition in Humans 5. Nutrition in Plants 6. Transport in Flowering Plants 7. Transport in Humans 8. Respiration in Humans 9. Excretion in Humans 10. Homeostasis 11. Co-ordination and Response in Humans 12. Reproduction 13. Cell Division 14. Molecular Genetics 15. Inheritance 16. Organisms and their Environment	1 h
	(6093/02) Weighting: 50 % [80 marks] This paper will consist of two sections. Section A will carry 50 marks and will consist of a variable number of compulsory structured questions. Section B will carry 30 marks and will consist of 3 free response questions. The first two questions are compulsory questions, one of which will be a data-based question requiring candidates to interpret, evaluate or solve problems using a stem of information. This question will carry 8–12 marks. The last question will be presented in an either/or form and will carry 10 marks.		1 h 45 min
	(6093/03) Weighting: 20 % [40 marks] This paper will comprise two to three compulsory practical questions, based mainly on Assessment Objective C. One or more of the questions may incorporate assessment of Planning (P) and require candidates to apply and integrate knowledge and understanding from different sections of the syllabus. The assessment of PDO and ACE may include questions on data-analysis which do not require practical equipment and apparatus. Candidates are not allowed to refer to notebooks, textbooks or any other information during the assessment.		1 h 50 min
Chemistry 6092	(6092/01) Weighting: 30 % [40 marks] This paper consists of 40 compulsory multiple choice items.	I. Matter – Structures and Properties 1. Experimental Chemistry 2. The Particulate Nature of Matter 3. Chemical Bonding and Structure	1 h
	(6092/02) Weighting: 50 % [80 marks] Section A will carry 70 marks and will consist of a variable number of compulsory structured questions. The last two questions will carry 20 marks, one of which is a data-based question requiring candidates to interpret, evaluate or solve problems using a stem of information. The data-based question will carry 8–12 marks. Section B will carry 10 marks and will consist of two questions . Candidates must answer only one out of these two questions.	II. Chemical Reactions 4. Chemical Calculations 5. Acid-Base Chemistry 6. Qualitative Analysis 7. Redox Chemistry 8. Patterns in the Periodic Table 9. Chemical Energetics 10. Rate of Reactions	1 h 45 min
	(6092/03) Weighting: 20 % [40 marks] This paper consists of a variable number of compulsory practical questions. One, or more, of the questions may incorporate assessment of Planning (P) and require candidates to apply and integrate knowledge and understanding from different sections of the syllabus. The assessment of PDO and ACE may include questions on data-analysis which do not require practical equipment and apparatus.	III. Chemistry in a Sustainable World 11. Organic Chemistry 12. Maintaining Air Quality	1 h 50 min
Physics 6091	(6091/01) Weighting: 30 % [40 marks] 40 compulsory multiple-choice questions	1. Physical Quantities, Units and Measurements 2. Kinematics 3. Dynamics 4. Turning Effect 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	1 h
	(6091/02) Weighting: 50 % [80 marks] Section A will carry 70 marks and will consist of a variable number of compulsory structured questions. The last two questions will carry 20 marks, one of which is a data based question requiring candidates to interpret, evaluate or solve problems using a stem of information. The data-based question will carry 8–12 marks. Section B will carry 10 marks and will consist of two questions. Candidates must answer only one out of these two questions.		1 h 45 min

	<p>(6091/03) Weighting: 20 % [40 marks] Section A will carry 20 marks and will consist of 1–2 compulsory practical experiment questions with a total duration of 55 min. Section B will carry 20 marks and will consist of one compulsory 55 min practical experiment question. One, or more, of the questions may incorporate assessment of Planning (P) and require candidates to apply and integrate knowledge and understanding from different sections of the syllabus. The assessment of PDO and ACE may include questions on data-analysis which do not require practical equipment and apparatus.</p>	11. Electromagnetic Spectrum 12. Light 13. Static Electricity 14. Current of Electricity 15. D.C. Circuits 16. Practical Electricity 17. Magnetism 18. Electromagnetism 19. Electromagnetic Induction 20. Radioactivity	1 h 50 min
Literature in English 2065	<p>PAPER ONE: Prose and Unseen Poetry [50 marks] There will be two sections in this paper. Candidates will select one question from each of the two sections. In total, candidates will answer two questions. Each question is 25% of the total weighting.</p> <p>Section A: Prose [25 marks] Two Essay Questions & 1 Passage-Based Question will be set. Students are to select only one question.</p> <p>Section B: Unseen Poetry [25 marks] Two Poems will be set. Students are to select only one poem.</p>	Octavia E. Butler's <i>Kindred</i> Unseen Poetry	1 h 40 min
	<p>PAPER TWO: Drama [50 marks] Two Essay Questions & 1 Passage-Based Question will be set.</p> <p>Candidates will answer one compulsory passage-based question and one essay question on the selected text.</p> <p>Each question is 25% of the total weighting.</p>	Arthur Miller's <i>The Crucible</i>	1 h 30 min
Science (Phy, Chem) 5086	<p>(5086/01) Weighting: 20% [40 marks] 40 compulsory multiple choice questions (Q1 – 20 Physics, Q21 – 40 Chemistry)</p>	Same as 5086/02 & 5086/03	1 h
	<p>(5086/02) Weighting: 32.5% [65 marks] Section A will carry 55 marks and will contain a number of compulsory structured questions. The last question will carry 10 marks. Section B will carry 10 marks and will contain two questions. Candidates must answer only one out of these two questions.</p>	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 10. Electromagnetic Spectrum 11. Light 12. Electric Charge and Current of Electricity 13. D.C. Circuits 14. Practical Electricity 15. Magnetism and Electromagnetism 16. Radioactivity	1 h 15 min

	(5086/03) Weighting: 32.5% [65 marks] Section A will carry 55 marks and will contain a number of compulsory structured questions. The last question will carry 10 marks . Section B will carry 10 marks and will contain two questions . Candidates must answer only one out of these two questions.	01. Experimental Chemistry 02. Kinetic Particle Theory 03. Atomic Structure 04. Elements, Compounds and Mixtures 05. Chemical Bonding, Structure and Properties of Materials 06. Chemical Formulae and Equations 07. Mole Concept and Stoichiometry 08. Acids and Bases 09. Qualitative Analysis 10. Oxidation and Reduction 11. The Periodic Table 12. Metals and the Reactivity Series 13. Chemical Energetics 14. Rate of Reactions 15. Fuels and Crude Oil 16. Hydrocarbons 17. Alcohols and Carboxylic Acids 18. Polymers 19. Maintaining Air Quality	1 h 15 min
	(5086/05) Weighting: 15% [30 marks] Two compulsory questions on each of the two Sciences.	Same as 5086/02 & 5086/03	1 h 30 min
Chinese Language	Paper 1 : 电邮 (20分), 作文 (40分)	Not Applicable	2 h
	Paper 2 : 综合填空 (5分), 词语替换 (10分), 阅读理解一 (20分), 阅读理解二 (35分)	Not Applicable	1 h 30 min
	Paper 3 : 听力 (20分) / 口试 (50分) : 朗读 10分, 录像会话 40分	Not Applicable	30 min / 15 min
Higher Chinese	Paper 1 : 实用文 (20分), 作文 (60分)	Not Applicable	2 h
	Paper 2 : 短文填充 (10分), 病句改正 (10分), 阅读理解一 (10分), 阅读理解二 (38分), 片段缩写 (12分)	Not Applicable	1 h 45 min
	Paper 3 : 口试 (40分)	Not Applicable	15 min
Malay Language	Paper 1 : Bahagian A (20 marks): Penulisan Fungsional (Forum/Blog / E-mel Rasmi); Bahagian B (40 marks): Deskriptif / Ekspositori / Naratif	Not Applicable	2 h
	Paper 2 : Bahagian A: Melengkapkan Teks (10 marks), Menggantikan Perkataan (10 marks); Bahagian B: Kefahaman - Betul atau Salah (10 marks), Kefahaman Objektif (10 marks); Bahagian C: Kefahaman Subjektif & Kosa Kata (30 marks)	Not Applicable	1h 30 min
	Paper 3 : Kefahaman Mendengar (20 marks); Lisan: Bacaan Lantang (10 marks), Perbualan (40 marks)	Not Applicable	30 min / 15 min
Tamil Language	Paper 1 : மின்னஞ்சல் (20marks), கட்டுரை (40marks) Total (60 marks)	Not Applicable	2 h
	Paper 2 : A1:மரபுத்தொடர்கள் (10marks), A2:(முன்னுணர்வுக் கருத்தறிதல் (10marks), B3:தெரிவுவிடைக் கருத்தறிதல் (10marks), B4:பிழைதிருத்தம் (10marks), C5: சுயவிடை(30marks) Total (70 marks)	Not Applicable	1 h 30 min
	Paper 3 : கேட்டல் (20marks), வாய்மொழி வாசித்தல் (10) ஒளிக்காட்சி உரையாடல் (40)(50marks) P3 Total (70 marks)	Not Applicable	30 min / 15 min

* The total marks will be converted into 100%