

Gan Eng Seng School
End of Year Examination 2022
Year 3 Express

Subject	Format	Topics	Duration
English Language	<p>PAPER ONE [70] - 35%</p> <p>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>		1 h 50 min
	<p>PAPER TWO [50] - 35%</p> <p>Comprehension</p> <p>Section A [5] Candidates respond to questions based on Text 1, a visual text.</p> <p>Section B [20] Candidates respond to a variety of questions based on Text 2, which is a narrative or a recount.</p> <p>Section C [25] Candidates respond to a variety of questions based on Text 3, 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%</p> <p>Listening</p>		45 min

	<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>		
	<p>PAPER FOUR [30] - 20% Oral Communication The two parts in this paper are thematically linked. 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 [15] Candidates engage in a discussion with the Examiners on a topic based on the same video clip.</p>		20 min (including 10 min of preparation time)
Mathematics	<p>Paper 1: [90 Marks][Weighting: 50%] About 26 short answer questions on fundamental skills and concepts. Candidates are to answer ALL questions. The questions include 7-8 marks questions assessing the mathematical processes of reasoning, communication, connections, modelling and higher order thinking skills. These may appear in Paper 1 or Paper 2.</p>	<p>1 NUMBER AND ALGEBRA 1.1 Numbers and their operations 1.2 Ratio and proportion 1.3 Percentage 1.4 Rate and Speed 1.5 Algebraic expressions and formulae 1.6 Functions and graphs 1.7 Equations and Inequalities</p>	2 h 15 min

	<p>Paper 2: [90 Marks][Weighting: 50%] Candidates are to answer ALL 9 to 10 questions of various marks and lengths testing more on higher order thinking skills. The last question of 9-10 marks in this paper will focus specifically on applying mathematics to a real-world scenario.</p>	<p>2 GEOMETRY AND MEASUREMENT 2.1 Angles, triangles and polygons 2.2 Congruence and similarity 2.3 Properties of circles 2.4 Pythagoras' theorem and trigonometry 2.5 Mensuration 2.6 Coordinate geometry</p> <p>3 STATISTICS AND PROBABILITY 3.1 Data handling and analysis 3.2 Probability</p>	2 h 15 min
Additional Mathematics	<p>[100 Marks] About 12 – 14 questions of varying marks and lengths. Candidates are to answer ALL questions. The last question of 6-8 marks in this paper focuses specifically on applying mathematics to a real-world scenario.</p>	<p>Chapter 1 Quadratic Functions Chapter 2 Equations and Inequalities Chapter 3 Surds Chapter 4 Polynomials and Partial Fractions Chapter 5 Exponential Equations and Logarithmic Functions Chapter 6 Binomial Theorem Chapter 7 Coordinate Geometry Chapter 8 Circles Chapter 9 Application of Straight Line Graphs Chapter 10 Trigonometric Functions</p>	2 h 30 min
Principles of Accounts	<p>Paper 1: [40 Marks] 3 to 4 compulsory structured questions. Candidates are to answer ALL questions.</p>		1h

	<p>Paper 2: [60 marks] Answer 4 compulsory structured questions.</p> <ul style="list-style-type: none"> • One question requires the preparation of financial statements for a business for one financial year. (20 marks) • A scenario-based question (7 marks) will be part of one of the 3 remaining questions. <p>[Weighting: 60%]</p>		2h
<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 Cse Study (SBCS) Skills tested: 1. Inference 2. Purpose 3. Comparison 4. Reliability 5. Utility</p> <p>Section B: Structured-Response Question Issue 1: Exploring Citizenship & Governance Chapters 1 - 3 Issue 2: Living in a Diverse Society Chapters 4 - 6</p>	1 h 45 min
<p>Humanities (Geography) (2272/02)</p>	<p>Structured Essay Questions (2 x 25m) Candidates are to answer BOTH compulsory questions.</p>	<p>Topics: 1) Plate Tectonics 2) Weather and Climate</p>	1 h 40 min
<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 1-5</p>	1 h 40 min
<p>Geography (2236)</p>	<p>Section A: Geographical Investigations (Coasts) - 25m Candidates are to answer the compulsory question Section B: Structured Essay Questions - 25m Candidates are to answer one of 2 questions</p>	<p>Topics: 1) Coasts 2) Plate Tectonics 3) Weather and Climate</p>	1 h 40 min

<p>Design & Technology (7059)</p>	<p>Paper 1 comprises of 4 questions [80 marks] [Weighing 60% of the total marks for the subject] Candidates are required to answer all four questions</p> <p>Q1 - Design (26 marks) Q2 - Structure (18 marks) Q3 - Mechanism (18 marks) Q4 - Electronics (18 marks)</p> <p>Paper 2 - Coursework based (Design Journal) [Weighing 40% of the total for the subject]</p>	<p><u>Item testing on Design:</u> - Design Method - Project Management - Research & Analysis - Need Definition - Idea Generation and Development - Design Communication - Ergonomics and Anthropometry</p> <p><u>Item testing on 3 technological areas:</u> - Structures, - Mechanisms and - Electronics</p> <p><u>Reference:</u> https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/olevel/2023syllabus/7059_y23_sy.pdf</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>
<p>Biology 6093</p>	<p>Paper 1: 40 compulsory multiple choice questions [40 marks] Weighting: 37.5 %</p>	<p>As stated in paper 2</p>	<p>1 h</p>

	<p>Paper 2: Structured and Free Response [80 marks] Weighting: 62.5 % Section A [50 marks]: All structured questions are compulsory. Section B [30 marks]: The first two questions are compulsory questions, one of which will be a data-based question. The last question will be presented in an either/or form.</p>	<p>Cell Structure & Organisation Movement of Substances Biomolecules Nutrition in Humans Nutrition in Plants Transport in Plants Transport in Humans Respiration Excretion</p>	<p>1 h 45 min</p>
Chemistry 6092	<p>Paper 1: 40 compulsory multiple choice questions [40 marks] Weighting: 37.5 %</p>	<p>As stated in paper 2</p>	<p>1 h</p>
	<p>Paper 2: Structured and Free Response [80 marks] Weighting: 62.5 % Section A [50 marks]: All structured questions are compulsory Section B [30 marks]: The first two questions are compulsory questions, one of which will be a data-based question. The last question will be presented in an either/or form.</p>	<ol style="list-style-type: none"> 1. Kinetic Particle Theory 2. Separation and Purification 3. Elements Compounds Mixtures 4. Atomic Structure 5. Ionic Bonding 6. Covalent and Metallic Bonding 7. Writing Chemical Equation 8. The Mole 9. Chemical Calculations 10. Acids and Bases 11. Salts 12. The Periodic Table 13. Metals 	<p>1 h 45 min</p>
Physics 6091	<p>Paper 1: 40 compulsory multiple choice questions [40 marks] Weighting: 37.5 %</p>	<p>Chapter 1: Physical Quantities, Units & Measurements Chapter 2: Kinematics Chapter 3: Dynamics Chapter 4: Mass, Weight & Density Chapter 5: Turning Effects of Forces</p>	<p>1 h</p>

	<p>Paper 2: Structured and Free Response [80 marks] Weighting: 62.5 % Section A [50 marks]: All structured questions are compulsory Section B [30 marks]: The first two questions are compulsory questions, one of which will be a data-based question. The last question will be presented in an either/or form.</p>	<p>Chapter 6: Pressure Chapter 7: Work, Energy & Power Chapter 8: Kinetic Model of Matter Chapter 9: Temperature Chapter 10: Transfer of Thermal Energy Chapter 11: Thermal Properties of Matter Chapter 12: General Wave Properties Chapter 13: Light Chapter 14: Electromagnetic Spectrum</p>	<p>1 h 45 min</p>
<p>Science (Phy, Chem)5076</p>	<p>Paper 1: 40 compulsory multiple choice questions [40 marks] Weighting: 23.5 %</p>	<p>As stated in Paper 2 & Paper 3</p>	<p>1 h</p>
	<p>Paper 2: Structured and Free Response (Physics) [65 marks] Weighting: 76.5 % Section A will carry 45 marks and will contain a number of compulsory structured questions of variable mark value. Section B will carry 20 marks and will contain three questions, each of 10 marks. Candidates are required to answer any two questions.</p>	<p>Chapter 1: Physical Quantities, Units & Measurements Chapter 2: Kinematics Chapter 3: Dynamics Chapter 4: Mass, Weight & Density Chapter 5: Turning Effects of Forces Chapter 6: Pressure Chapter 7: Work, Energy & 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</p>	<p>1 h 15 min</p>

	<p>Paper 3: Structured and Free Response (Chemistry) [65 marks] Weighting: 76.5 % Section A will carry 45 marks and will contain a number of compulsory structured questions of variable mark value. Section B will carry 20 marks and will contain three questions, each of 10 marks. Candidates are required to answer any two questions.</p>	<ol style="list-style-type: none"> 1. Kinetic Particle Theory 2. Measurement and Experimental Techniques 3. Separation and Purification 4. Elements Compounds and Mixtures 5. Atomic Structure 6. Chemical Bonding 7. Writing Chemical Equation 8. The Mole 9. Chemical Calculation 10. Acids and Bases 11. Salts 12. Periodic Table 	1 h 15 min
Chinese Language	Paper 1 : 电邮 (20 分), 作文 (40 分)	Not Applicable	2 h
	Paper 2 : 综合填空 (10 分), 阅读理解一(20 分), 阅读理解二(40 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 : 电邮 (20 分), 作文 (60 分)	Not Applicable	2 h
	Paper 2 : 短文填空 (10 分), 病句改正 (10 分) , 阅读理解一 (10 分), 阅读理解二 (38 分), 长文缩短 (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): E-mel rasmi / E-mel tidak rasmi; Bahagian B (40 marks): Deskriptif / Naratif / Ekspositori / Perbincangan	Not Applicable	2 h
	Paper 2 : Bahagian A: Imbuan (10 marks), Peribahasa (10 marks), Melengkapkan teks (10 marks); Bahagian B: Kef.Objektif (10 marks); Bahagian C: Kef. Subjektif (30 marks)	Not Applicable	1h 30 min
	Paper 3 : Kefahaman Mendengar (20 marks); Lisan (50 marks)	Not Applicable	30 min / 15 min
Tamil Language	Paper 1 : மின்னஞ்சல் (20marks), கட்டுரை (40marks)	Not Applicable	2 h

	Paper 2 : மரபு (10marks), கருத்துமாறா (10marks), அமைப்பு (10marks), தெரிவு (10marks), சுயவிடை(30marks)	Not Applicable	1 h 30 min
	Paper 3 : கேட்டல் (20marks), வாய்மொழி (50marks)	Not Applicable	30 min / 15 min
	* The total marks will be converted into 100%		