

Yio Chu Kang Secondary School
2022 End OF Year Examination



Sec 3NA	Subject: English		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	Paper 1: Writing Editing Situational Writing Continuous Writing	Paper 1 (1 h 50 min) Section A Section B Section C (Choose 1 out of 4)	Total: 70 marks (35%) 10 marks 30 marks 30 marks
	Paper 2: Comprehension Texts 1 and 2: Visual Text Text 3: Narrative Text Text 4: Non-narrative Text	Paper 2 (1 h 50 min) Section A Section B Section C	Total: 50 marks (35%) 5 marks 20 marks 25 marks
	Paper 3: Listening	Paper 3 (approximately 45 min)	30 marks (10%)
	Paper 4: Oral Communication Planned Response Spoken Interaction	Paper 4 (approximately 20 min) Part 1 Part 2	Total: 30 marks (20%) 15 marks 15 marks
Sec 3NA	Subject: E Mathematics (NA)		
	Topic tested in End OF YearExam	Format of Paper	Marks (Weightings)
	Chapter 1: Algebraic Manipulation Chapter 2: Quadratic Equations Chapter 3: Graphs of Quadratic Functions Chapter 4: Indices Chapter 5: Congruency & Similarity Chapter 6: Coordinate Geometry Chapter 8: Trigonometric Ratios	Paper 1 (2 h) There are about 23 short answer questions. Answer all questions. Paper 2 (2 h) Section A: There are 9 – 10 questions of varying marks and lengths. The last question in this section will focus on applying Mathematics to a real-world scenario. Answer all questions. Section B: 2 questions but required to answer only one. • The questions in this section will be based on the underlined content and there will be one question from the 'Geometry and Measurement' strand and one from the 'Statistics and Probability' strand. • Each question carries the same, either 7 or 8 marks.	70 marks (50%) 70 marks (50%)
Sec 3NA	Subject: E Mathematics(Exp)		
	Topic tested in End OF YearExam	Format of Paper	Marks (Weightings)
	Secondary Three Topics: Chapter 1 Quadratic and Fractional Equations Chapter 2 Simultaneous Linear Inequalities Chapter 3 Indices and Standard Form Chapter 4 Coordinate Geometry Chapter 6 Further Trigonometry Chapter 7 Applications of Trigonometry Chapter 8 Arc Lengths, Sector Areas and Radian Measures Chapter 9 Congruence and Similarity Tests Chapter 10 Area and Volume of Similar Figures and Solids Lower Secondary Topics (TYS): Topic 1 Numbers and their Operations Topic 2 Ratio and Proportion Topic 3 Percentage Topic 4 Rate and Speed Topic 5 Algebraic Expressions and Formulae Topic 11 Angles and Triangles (excluding Polygons) Topic 15 Mensuration	Paper 1 (2 h 15 min) There will be about 25 short answer questions. Paper 2 (2 h 15 min) There will be 10 to 11 questions of varying marks and lengths. The last question in this paper will focus specifically on applying mathematics to a real-world scenario.	Total: 90 marks (50%) Total: 90 marks (50%)

Sec 3NA	Subject: Science (Chemistry)		
	Topic tested in End OF YearExam	Format of Paper	Marks (Weightings)
	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 Equations 8. The Mole 9. Acids and Bases	Total Duration: 1 h 15 min Paper 3 20 MCQ Paper 4 Section A : Structured Qns Section B : Choose 2 out of 3 questions	Total: 50 marks Paper 3: 20 marks Paper 4 Section A: 14 marks Section B: 16 marks
Sec 3NA	Subject: Science (Physics)		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	Textbook Ch 1. Measurement Ch 2. Kinematics Ch 3. Forces and Pressure Ch 4. Mass, Weight and Density Ch 5. Turning Effect of Forces Ch 6. Energy, Work and Power Ch 7. Kinetic Model of Matter Ch 8. Transfer of Thermal Energy Ch 9. Thermal Properties of Matter	Total duration: 1h 15min Paper 1 20 MCQ Paper 2 Section A: Structured questions Section B: Choose 2 out of 3 questions	Total: 50 marks 20 marks 14 marks 16 marks
Sec 3NA	Subject: Science (Biology)		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	1. Cell Structure and its Function 2. Movement of Substances 3. Biological Molecules (Nutrients and Enzymes) 4. Nutrition in Humans 5. Nutrition in Plants 6. Transport in Flowering Plants 7. Transport in Humans	Total duration: 1h 15min Paper 1 20 MCQ Paper 2 Section A: Structured questions Section B: Choose 2 out of 3 questions	Total: 50 marks 20 marks 14 marks 16 marks
Sec 3NA	Subject: Art		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	Not Applicable	Paper 1 (Class Assignments in Semester 2)	Total: 100 marks (30%)
	Drawing and Painting via Form and Tonal Values.	Paper 2 Drawing & Painting (3 hr) 1. Question paper is to be given three weeks before the Examination. 2. Students are to respond to one of the themes issued on an A3 sized paper. 3. Preparatory studies (Research, Sketches, Design Layout and Mock up of Final Work) of three to five A3 sheets of paper must be submitted together with the final work for assessment.	Total: 100 marks (70%) The five assessment domains are: 1. Investigation and Interpretation of Theme (15 marks) 2. Exploration and Development of Theme (15 marks) 3. Aesthetic Qualities (25 marks) 4. Control of Materials and Technical Processes (25 marks) 5. Personal Response (20 marks)

Sec 3NA	Subject: Design and Technology		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	Section 1: Design Section 2: Technology Mechanisms Electronics	Paper 1 (1 h 30 min) Question 1 requires knowledge application of Section 1 Design. Question 2 to 3 require knowledge application of Section 2 Technology - specifically mechanisms and electronics.	Total: 60 marks (40%) Question 1: 24 marks Question 2 and 3: 36 marks
	Not Applicable.	Paper 2 (Coursework in Semester 2) Design Project	Total: 100 marks (60%)
Sec 3NA	Subject: Geography		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	Chapter 1: Living with Tectonic Hazards (Gateways 1 and 2) Chapter 2: Variable weather and changing climate (Gateways 1 and 2) Chapter 3: Geographical Skills & Investigations	Duration: 1 hr 40 min Section A: Geographical Investigation Section B: Structured Qns Section C: Structured Qns	Total: 50 marks (50%) Section A: 13 marks Section B: 12 marks Section C: 25 marks
Sec 3NA	Subject: History		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	Sec 3 Chapter 2: Stalin's Soviet Union Sec 3 Chapter 3: Hitler's Germany Sec 3 Chapter 4: Outbreak of World War II in Europe Sec 3 Chapter 5: Germany's Defeat	Duration: 1h 40 min Section A: Source-based Case Study Section B: Structured Essay Questions Choose 1 out of 2 questions	Total: 50 marks (50%) Section A: 30 marks Section B: 20 marks
Sec 3NA	Subject: Social Studies		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	Chapter 1: What does it mean for me to be a citizen of my country? Chapter 2: How do we decide what is good for society? Chapter 3: How can we work for the good of society? Chapter 4: What is Diversity? Chapter 5: Why is there greater diversity in Singapore now? Chapter 6: What are the experiences and effects of living in a diverse society? Skills tested: Simple inference, inference with purpose, comparison, reliability, evaluative and SRQ	Duration: 1 h 45 min Section A Source-based Question (5 sub-questions) Section B Structured Reponse Question (2 sub-questions)	Total: 50 marks (50%) Section A: 35 marks Section B: 15 marks

Sec 3NA	Subject: MTL		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
Chinese/ Malay/ Tamil	Paper 1 - Writing Email (Informal/Formal), Descriptive, Narrative, Expository	Paper 1 (2 h) Section A (Choose 1 question) Section B (choose 1 question)	Total: 60 marks (30%) 20 marks 40 marks
Chinese	Paper 2 - Language & Comprehension Grammar / Cloze Passage Objective Comprehension Subjective Comprehension	Paper 2 (1 h 30 min) Section A - FIB / MCQ Section B - MCQ Section C - OE	Total: 60 marks (30%) 22 marks 12 marks 26 marks
Malay/ Tamil	Paper 2 - Language & Comprehension Grammar / Cloze Passage Comprehension - Graphic Stimulus Subjective Comprehension	Paper 2 (1 h 30 min) Section A - FIB Section B - MCQ Section C - OE	Total: 60 marks (30%) 20 marks 10 marks 30 marks
Chinese/ Malay/ Tamil	Paper 3- Oral Reading Conversation based on video stimulus	Paper 3- Oral (Approximately 20min) Reading Conversation based on video stimulus	Total: 60 marks (30%) 20 marks 40 marks
Chinese/ Malay/ Tamil	Paper 3 - Listening Comprehension <u>10 questions</u>	Paper 3 (30 min) <u>MCQ</u>	Total: 20 marks (10%)
Chinese B	Paper 1 - Writing Email or Picture Composition	Paper 1 (50 min) - Computer-Based Choose 1 question	Total: 20 marks (20%)
	Paper 2 - Language & Comprehension Grammar Comprehension - Graphic Stimulus Objective Comprehension	Paper 2 (1 h) - MCQ Section A Section B Section C	Total: 30 marks (30%) 10 marks 10 marks 10 marks
	Paper 3 - Listening Comprehension 10 questions	Paper 3 (30 min) <u>MCQ</u>	Total: 20 marks (20%)
	Paper 3- Oral Reading Conversation based on video stimulus	Paper 3- Oral (Approximately 20min) Reading Conversation based on video stimulus	Total: 30 marks (30%) 10 marks 20 marks

Sec 3NA	Subject: POA		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	Chapter 1: Introduction to Accounting Chapter 2: The Accounting Information System Chapter 3: Elements of the 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	Paper 1 (1hr) 4 questions. Answer ALL questions Paper 2 (2hrs) 4 questions. Answer ALL questions	Total: 40 marks (40%) Total: 60 marks (60%)

Sec 3NA	Subject: Additional Mathematics		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	Chapter 1: Quadratic Equations Chapter 2: Equations and Inequalities Chapter 3: Surds Chapter 4: Polynomials, Cubic Equations and Partial Fractions Chapter 7: Coordinate Geometry Chapter 9: Trigonometric Functions and Graphs	Paper 1 (1 hr 45 min) There will be 13 – 15 questions of varying marks and lengths.	Total: 70 marks (100%)