

Yio Chu Kang Secondary School
2018 End OF Year Examination



Sec 3NA	Subject: Physical Education		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	<p>Exercise Physiology</p> <ul style="list-style-type: none"> - Skeletal System - Muscular System - Circulatory System - Respiratory System - Training Principles and Methods - Nutrition <p>Sports Psychology</p> <ul style="list-style-type: none"> - Self- Efficacy - Motivation - Arousal & Performance - Anxiety - Factors influencing exercise participation <p>Motor Learning and Development</p> <ul style="list-style-type: none"> - Skill classification - Factors affecting variations in skill level - Differences between skill of Novice and Expert performer - Information Processing Model - Different types of feedback and importance - BSER framework - Game-related concepts <p>Biomechanics</p> <ul style="list-style-type: none"> - Effects of the natural laws and forces - Biomechanical principles - The phases of performances <p>Sports Sociology</p> <ul style="list-style-type: none"> - Equity - Commercialisation (Sponsorship in sports and media) - Ethics (Drugs in sports, sportsmanship and gamemanship) 	<p>Paper 1 (2h) Answer all the questions</p> <p>Section A - MCQs, Matching, Drag and Drop, Checking of boxes and Fill in the blanks</p> <p>Section B - Short answer and Structured questions based on texts and pictures</p> <p>Section C - Case studies</p>	<p>Total: 80 marks (100%)</p> <p>Section A: 20 marks</p> <p>Section B: 40 marks</p> <p>Section C: 20 marks</p>

Sec 3NA	Subject: English		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	<p>Paper 1: Writing</p> <p>Editing</p> <p>Situational Writing</p> <p>Continuous Writing</p>	<p>Paper 1 (1 h 50 min)</p> <p>Section A</p> <p>Section B</p> <p>Section C (Choose 1 out of 4)</p>	<p>Total: 70 marks (35%)</p> <p>10 marks</p> <p>30 marks</p> <p>30 marks</p>
	<p>Paper 2: Comprehension</p> <p>Text 1: Visual Text</p> <p>Text 2: Narrative Text</p> <p>Text 3: Information Text</p>	<p>Paper 2 (1 h 50 min)</p> <p>Section A</p> <p>Section B</p> <p>Section C</p>	<p>Total: 50 marks (35%)</p> <p>5 marks</p> <p>20 marks</p> <p>25 marks</p>
	<p>Paper 3: Listening</p>	<p>Paper 3 (approximately 45 min)</p>	<p>30 marks (10%)</p>
	<p>Paper 4: Oral Communication</p> <p>Reading Aloud</p> <p>Spoken Interaction</p>	<p>Paper 4 (approximately 20 min)</p> <p>Part 1</p> <p>Part 2</p>	<p>Total: 30 marks (20%)</p> <p>10 marks</p> <p>20 marks</p> <p>(completed in Term 2 for use in SA 2)</p>

Sec 3NA	Subject: E Mathematics		
	Topic tested in End OF YearExam	Format of Paper	Marks (Weightings)
	<p>Chapter 1: Indices</p> <p>Chapter 2: Algebraic Manipulation</p> <p>Chapter 3: Quadratic Equations</p> <p>Chapter 4: Congruency & Similarity</p> <p>Chapter 5: Coordinate Geometry</p> <p>Chapter 6: Trigo Ratios of Acute Angles</p> <p>Chapter 7: Sine Rule & Cosine Rule</p>	<p>Paper 1 (2 h) There will be about 23-25 short answer questions.</p> <p>Paper 2 (2 h) Section A will contain 9-10 questions of varying lengths. The last question will focus specifically on applying mathematics to a real-world scenario. Section B will contain 2 questions required to answer one.</p>	<p>80 marks (50%)</p> <p>60 marks (50%)</p>

Sec 3NA	Subject: Science (Chemistry)		
	Topic tested in End OF YearExam	Format of Paper	Marks (Weightings)
	Kinetic Particle Theory 2. Measurement and Experimental Techniques 3. Separation and Purification 4. Elements, Compounds and Mixtures 5. Atomic Structure 6. Ionic bonding 7. Covalent and Metallic Bonding 8. Writing Chemical Equations 9. The Moles 10. Chemical Calculations 11. Acids and Bases 12. Salts 13. The Periodic Table	Total Duration: 1 h 30 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 (60%)
	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 six 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 (40%) The five assessment domains are: 1. Investigation and Interpretation of Theme (15 m) 2. Exploration and Development of Theme (15 m) 3. Aesthetic Qualities (25 m) 4. Control of Materials and Technical Processes (25 m) 5. Personal Response (20 m)

Sec 3NA	Subject: Design and Technology		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	Chapter 2: Design Method Chapter 4: Research Chapter 5: Definition of Needs Chapter 6: Generating and Developing Ideas Chapter 7: Realisation Plan Chapter 9: Design Communication Chapter 10: Ergonomics and Anthropometry Chapter 12: Structures Chapter 13: Mechanisms	Paper 1 (1 hr 30 min) Part A: Answer all questions set based mainly on design process and design contents. Part B: Answer three questions set based mainly on the three technological areas, namely Structures, Mechanisms and Electronics.	Total: 70 marks (30%) Part A: 28 marks Part B: 42 marks
	Not Applicable.	Paper 2 (Coursework in Semester 2) Design Project	100 marks (70%)

Sec 3NA	Subject: Food and Nutrition		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)

	Chapter 2: Guidelines for Meal Planning Chapter 3: Different Types of Nutritional Needs Chapter 4: Carbohydrate Chapter 5: Food Commodities (Cereals) Chapter 7: Proteins Food Commodities (Milk) Chapter 10: Vitamins Minerals Chapter 15: Science in Food Preparation (Cake Making , Pastry Making)	Paper 1 (1 h 30 min) Section A: Short Answer type questions. Section B: Data-response questions. Section C: Open-ended type questions.	Total: 80 marks (40%) Section A: 20 marks Section B: 28 marks Section C: 32 marks
	Not Applicable.	Paper 2 (Coursework in Semester 2)	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 Section B 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 4: What is Diversity? Chapter 5: Why is there greater diversity in Singapore now? skills tested: Simple inference, inference with purpose, Comparison, reliability, assertion	Duration: 1h 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 Aloud Interactive Conversation (video)	Paper 2 (approximately 20 min) Section A Section B	Total: 50 marks (30%) 10 marks 40 marks
	Paper 3 - Listening Comprehension 10 questions	Paper 3 (30 min) MCQ	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 - Oral Reading Interactive Conversation (video)	Paper 3 (15 min) Section A Section B	Total: 30 marks (30%) 10 marks 20 marks
Paper 3 - Listening Comprehension 10 questions	Paper 3 (30 min) MCQ	Total: 20 marks (20%)

Sec 3NA	Subject: POA	
	Topic tested in EOY Exam	Format of Paper
	Chapter 1: Introduction to Accounting Chapter 2: The Accounting Information System Chapter 3: Elements of the Financial Statements and the Accounting Equation. Chapter 4: The Concept of Double Entry Chapter 5: Special Journals Chapter 6: Cash Book & Petty Cash Book Chapter 7: Bank Reconciliation Chapter 8: Trial Balance Chapter 9: Income Statement Chapter 10: Balance Sheet Chapter 11: Prepayment and Accruals Chapter 12: Inventory	Paper 1 (1hr) 4 questions. Answer ALL questions Paper 2 (2hrs) 4 questions. Answer ALL questions
		Marks (Weightings) Total: 40 marks (40%) Total: 60 marks (60%)

Sec 3NA	Subject: Additional Mathematics	
	Topic tested in EOY Exam	Format of Paper
	Chapter 1: Equations and Inequalities Chapter 2: Surds and Indices (except 2.4) Chapter 3: Polynomials And Partial Fractions (except 3.6) Chapter 5: Binomial Theorem Chapter 6: Points, Lines and Shapes Chapter 9: Parabolas and circles	Paper 1 (1 hr 45 min) Answer ALL questions Paper 2 (1 hr 45 min) Answer ALL questions
		Marks (Weightings) Total: 70 marks (50%) Total: 70 marks (50%)