

Woodgrove Secondary School
Mid-Year Examination 2022
Topics Coverage & Assessment Format

Level/Stream: Sec 4 Normal (Academic)

Subject	Topics/ Chapters	Assessment Format (format, duration, total marks & dates of assessment)
English Language & 4NT (SBB NA)	<p>Paper 1: Writing [35%] Section A: Editing <ul style="list-style-type: none"> Students will be tested on grammatical features taught from Sec 1 – 4. Students will <u>NOT</u> be required to provide the Grammar Error Type (G.E.T.) for the errors identified. Section B: Situational Writing (180 – 250 words) <ul style="list-style-type: none"> One text-type will be assessed based on any text-type taught (e.g. <i>informal letter, formal letter, speech, report, etc.</i>) Section C: Continuous Writing (250 – 400 words) <ul style="list-style-type: none"> Students will be required to choose one out of four questions and write an essay based on any of the text-types taught. (e.g. <i>personal recount, expository, reflective, etc.</i>) Paper 2: Comprehension [35%] Section A: Comprehension I <ul style="list-style-type: none"> Visual Text Section B: Comprehension II <ul style="list-style-type: none"> Narrative or Recount Text All Question Types Section C: Comprehension III <ul style="list-style-type: none"> Non-narrative Text All Question Types Summary (not more than 80 words) Paper 3: Listening [10%] <ul style="list-style-type: none"> Students listen to a variety of spoken texts and complete a range of listening tasks. Spoken texts such as conversations, speeches, announcements, reports and information texts may be included. Paper 4: Oral Communication [20%] Students will read aloud a text as well as engage in a discussion with the examiners on a topic based on a visual stimulus.</p>	<p>Paper 1 (70 m) Duration: 1 hr 50 mins</p> <p>Paper 2 (50 m) Duration: 1 hr 50 mins</p> <p>Paper 3 (30 m) Duration: approx 45 mins</p> <p>Paper 4 (30 m) Duration: approx 15 mins</p>
Elementary Mathematics & 4NT (SBB NA)	<p>(A) Number and Algebra 1. Numbers and their operations 2. Ratio and proportion 3. Percentage 4. Rate and Speed 5. Algebraic expressions, manipulation and formulae 6. Indices and Standard Form 7. Functions and graphs 8. Equations and inequalities 9. Problems in real-world contexts (e.g. everyday life, personal and household finance, travel graphs)</p> <p>(B) Geometry and Measurement 1. Angles, triangles and polygons 2. Congruence and similarity</p>	<p>Paper 1 (80 marks) Duration: 2 hr Answer all questions</p> <p>Paper 2 (60 marks) Duration: 2 hr</p> <p>Section A: Answer all questions Section B: Answer 1 out of 2 questions</p>

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	3. Pythagoras' Theorem and trigonometry 4. Mensuration 5. Coordinate geometry 6. Problems in real-world contexts (e.g. problems involving geometry) (C) Statistics and Probability 1. Data handling and analysis 2. Probability Reference: Sec 1 to Sec 4 Textbooks (ALL topics except Textbook 4B: Properties of circles) Ten-Year Series	
Additional Mathematics (4051)	Textbook: New Discovering Additional Mathematics (Book A and Book B): Chapter 2: Equations and Inequalities (only Simultaneous Equations) Chapter 3: Surds Chapter 4: Polynomials and Partial Fractions Chapter 7: Coordinate Geometry Chapter 9: Trigonometric Functions, Graphs and Equations (exclude Graphs) Chapter 10: Trigonometric Identities and Formulas Chapter 11: Differentiation Chapter 12: Tangents, Normals and Rates of Change Chapter 13: Maxima and Minima In Summary: ~ Simultaneous Equations ~ Surds ~ Partial Fractions, Cubic Equations, Remainder Theorem & Factor Theorem ~ Coordinate Geometry ~ Trigonometry (Sec 3 and Sec 4 concepts; exclude Trigo Graphs) ~ Differentiation	Duration: 1h 45 min Total: 70 marks Answer all questions
Combined Science (Chemistry) & 4NT (SBB NA)	Chapter 1: Kinetic Particle Theory Chapter 2: Measurement & Experimental Techniques Chapter 3: Separation & Purification Chapter 4: Elements, Compounds & Mixtures Chapter 5: Atomic Structure Chapter 6: Chemical Bonding Chapter 7: Writing Chemical Equations Chapter 8: The Mole Chapter 9: Chemical Calculations Chapter 10: Acids & Bases Chapter 11: Salt Chapter 13: Metals Chapter 14: The Periodic Table Chapter 17: The Atmosphere & Environment Textbook: Discover Chemistry GCE 'O' Level Science	Paper 3 Multiple Choice Questions (20m) Paper 4 Section A – Structured Questions Section B – Free Response Questions (Choose 2 out of 3 Qns) Duration for both Paper 3 & 4 :1 h 15 mins

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Combined Science (Physics) & 4NT (SBB NA)	Chapter 1: Physical Quantities, Units and Measurements Chapter 2: Kinematics Chapter 3: Dynamics Chapter 4: Mass, Weight & 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 Electricity Chapter 15: D.C. Circuits Chapter 16: Practical Electricity Textbook: Discover Physics GCE 'O' Level Science	Paper 1 Multiple Choice Questions (20m) Paper 2 Section A – Structured Questions Section B – Free Response Questions (Choose 2 out of 3 Qns) Duration for both Paper 1&2 :1 h 15 mins
Humanities (Social Studies)	Content (Issues 2 & 3) 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? Chapter 7: How can we respond to Diversity? Chapter 8: What does it mean to live in a Globalised World? Chapter 9: How do we respond to tensions arising from some economic impacts of globalisation? Source-Based Case Study & Structured-Response Question <ul style="list-style-type: none"> • Inference • Comparison • Reliability • Utility • Evaluation 	Duration: 1 hr 45 minutes Total: 50 marks Section A: SBCS (35 marks) Section B: SRQ (15 marks)
Humanities (Geography Elective)	Global Tourism <ul style="list-style-type: none"> • Gateway 1: How does the nature of tourism vary from place to place? • Gateway 2: Has tourism become a global phenomenon? • Gateway 3: Developing tourism at what costs? Living with Tectonic Hazards <ul style="list-style-type: none"> • Gateway 1: Why are some areas more prone to tectonic hazards? • Gateway 2: What landforms and associated tectonic phenomena are found at plate boundaries? Variable Weather & Changing Climate <ul style="list-style-type: none"> • Gateway 1: Why do different places experience different weather and climate? • Gateway 2: What is happening to the Earth's climate? 	Duration: 1 h 40 m Total: 50 marks Structured Questions Sec A - Q1: Geographical Investigation (13m) Sec B - Q2: Structured questions (12m) Sec C - Q3: Structured questions (25m)

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Humanities (Literature Elective)	<p><u>Set Text Prose and Unseen Poetry</u></p> <p><u>Section A: Prose - <i>Hook and Eye: Stories from the Margin</i></u></p> <ul style="list-style-type: none"> Students will be given a two-part passage-based question (PBQ) and two essay questions. The questions could be based on any of the short stories learnt (three stories from <i>Hook & Eye</i> text - <i>Painting the Eye</i>, <i>The Borrowed Boy & Margarine</i> and <i>the Syrian Refugee Project</i>). Students must answer only <u>one</u> question. <p><u>Section B: Unseen Poetry</u></p> <ul style="list-style-type: none"> Students will answer a two-part question on an unseen poem. Students will have two poems to choose from – one Singaporean poem and one non-Singaporean poem. Students must answer only <u>one</u> two-part question. 	<p>Total: 50m Duration: 1hr 40 min</p>