

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

Level/Stream: Sec 5 Normal (Academic)

Subject	Topics/ Chapters	Assessment Format (format, duration, total marks & dates of assessment)
English Language	<p><b>Paper 1: Writing [35%]</b></p> <p><b>Section A: Editing</b></p> <ul style="list-style-type: none"> <li>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.</li> </ul> <p><b>Section B: Situational Writing (250 – 350 words)</b></p> <ul style="list-style-type: none"> <li>One text-type will be assessed based on any text-type taught (e.g. <i>article, informal letter, formal letter, speech, proposal, etc.</i>)</li> </ul> <p><b>Section C: Continuous Writing (350 – 500 words)</b></p> <ul style="list-style-type: none"> <li>Students will be required to choose <b>one</b> 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>)</li> </ul> <p><b>Paper 2: Comprehension [35%]</b></p> <p><b>Section A: Comprehension I</b></p> <ul style="list-style-type: none"> <li>Visual Text</li> </ul> <p><b>Section B: Comprehension II</b></p> <ul style="list-style-type: none"> <li>Narrative or Recount Text</li> <li>All Question Types</li> </ul> <p><b>Section C: Comprehension III</b></p> <ul style="list-style-type: none"> <li>Non-narrative Text</li> <li>All Question Types</li> <li>Summary (not more than 80 words)</li> </ul> <p><b>Paper 3: Listening [10%]</b></p> <ul style="list-style-type: none"> <li>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.</li> </ul> <p><b>Paper 4: Oral Communication [20%]</b></p> <ul style="list-style-type: none"> <li>Students will read aloud a text as well as engage in a discussion with the examiners on a topic based on a visual stimulus.</li> </ul>	<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 (4048)	<p>1. Numbers and Algebra Numbers and the four operations, Ratio and Proportion, Percentage, Rate and Speed, Algebraic Expressions and Formulae, Functions and Graphs, Equations and Inequalities, Set Language and Notation, Matrices, Problems in Real-World Contexts</p> <p>2. Geometry and Measurement Angles, Triangles and Polygons, Congruence and Similarity, Properties of Circles, Pythagoras' Theorem and Trigonometry, Mensuration, Coordinate Geometry, Problems in Real-World Contexts</p>	<p>Paper 1 (80 marks) Answer all questions Duration: 2 hr</p> <p>Paper 2 (100 marks) Answer all questions Duration: 2 hr 30 mins</p>

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	3. Statistics and Probability Data Handling, Data Analysis, Probability  *Exclude Vectors in Two Dimensions.  Textbook: Discovering Mathematics (Sec 1 - 4) Publisher: Star Publishing	
<b>Additional Mathematics (4047)</b>	Chp1: Quadratic Functions Chp2: Equations & Inequalities Chp 3: Surds Chp 4: Polynomials and Partial Fractions Chp 5: Exponential and Logarithmic Functions & Equations Chp 6: Binomial Expansions Chp 7: Coordinate Geometry of Lines and Rectilinear Figures Chp8: Coordinate Geometry of Circles Chp 9: Trigonometric Functions, Graphs and Equations Chp 10: Trigonometric Identities and Formulae Chp 11: Differentiation Chp 12: Tangents, Normals and Rates of Change Chp 13: Maxima and Minima Chp 14: Further Differentiation  Textbook: New Discovering Additional Mathematics (Book A and Book B)	Duration: 2 hr 15 min Total: 90 marks  Answer all questions
<b>Combined Science (Chemistry)</b>	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 12: Oxidation & Reduction Chapter 13: Metals Chapter 14: The Periodic Table Chapter 16: Speed of Reaction Chapter 17: The Atmosphere & Environment  Textbook: Discover Chemistry 'GCE 'O' Level Science	Paper 1 (40 marks) - MCQ (20 marks Science (Chemistry) questions + 20 marks Science (Physics) questions) Duration: 1 hour  Paper 3 (65 marks) Section A: Structured questions (45 marks) Section B: Free Response questions (choose 2 out of 3 questions) (20 marks) Duration: 1 hour 15 min
<b>Combined Science (Physics)</b>	Chapter 1: Physical Quantities, Units and Measurements Chapter 2: Kinematics Chapter 3: Forces & Pressure Chapter 4: Mass, Weight & Density Chapter 5: Turning Effect of Forces Chapter 6: Energy, Work and Power Chapter 7: Kinetic Model of Matter Chapter 8: Transfer of Thermal Energy Chapter 9: Thermal Properties of Matter	Paper 1 (40 marks) - MCQ (20 Science (Physics) qns + 20 Science (Chemistry) qns) Duration: 1 hour  Paper 2 (65 marks)

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	Chapter 10: Light Chapter 11: Waves Chapter 12: Electromagnetic Waves Chapter 13: Sound Chapter 14: Static Electricity Chapter 15: Current Electricity Chapter 16: D.C. Circuits Chapter 17: Practical Electricity  Textbook: Discover Physics GCE 'O' Level Science	Section A: Structured questions (45 marks) Section B: Free Response questions (choose 2 out of 3 questions) (20 marks) Duration: 1 hour 15 min
<b>Humanities (Social Studies)</b>	<b>Content:</b> 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? Chapter 10: How do we respond to tensions arising from some cultural impacts of globalisation?  Source-Based Case Study & Structured-Response Question <ul style="list-style-type: none"> <li>● Inference</li> <li>● Comparison</li> <li>● Reliability</li> <li>● Evaluation</li> </ul>	Duration: 1 hr 45 minutes Total: 50 marks  Section A: SBCS (35 marks) Section B: SRQ (15 marks)
<b>Humanities (Geography Elective)</b>	Global Tourism <ul style="list-style-type: none"> <li>● Gateway 1: How does the nature of tourism vary from place to place?</li> <li>● Gateway 2: Has tourism become a global phenomenon?</li> <li>● Gateway 3: Developing tourism at what costs?</li> </ul> Weather and Climate <ul style="list-style-type: none"> <li>● Gateway 1: Why do different places experience different weather and climate?</li> <li>● Gateway 2: What is happening to Earth's climate?</li> </ul> Living with Tectonic Hazards <ul style="list-style-type: none"> <li>● Gateway 1: Why are some areas more prone to tectonic hazards?</li> <li>● Gateway 2: What landforms and associated tectonic phenomena are found at plate boundaries?</li> <li>● Gateway 3: How do people prepare for and respond to earthquakes?</li> </ul> Food Resources <ul style="list-style-type: none"> <li>● Gateway 1: How and why have food consumption patterns changed since the 1960s? (TB pg 90 - 117)</li> </ul>	Duration: 1 hr 40 mins Total: 50 marks  Answer <b>one</b> question from each section.  Section A - Q1 OR Q2: Geographical investigation (13m)  Section B - Q3 OR Q4: Structured questions (12m)  Section C - Q5 OR Q6: Structured questions (25m)  09 May 2022

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<b>Humanities (Literature Elective)</b>	<p><b>Prose: Fahrenheit 451 [25 marks]</b>  Questions will require students to be familiar with:  Hearth and the Salamander  The Sieve and the Sand.</p> <p>Students may make reference to Burning Bright.</p> <p>Students will select <u>one</u> of the following:</p> <ol style="list-style-type: none"> <li>1. Passage Based Question</li> <li>2. Essay Question 1</li> <li>3. Essay Question 2</li> </ol> <p><b>Unseen Poetry [25 marks]</b></p> <p>Students will be required to analyse an unseen poem. Students will select <u>one</u> of the following:</p> <ol style="list-style-type: none"> <li>1. Question on a Singapore Poem.</li> <li>2. Question on a non-Singapore poem.</li> </ol> <p>For both prose and poetry sections, students will be required to craft their opinions in essay form.</p>	<p>Duration: 1 hr 40 mins  Total: 50 marks</p>