

**Woodgrove Secondary School  
Mid-Year Examination 2019  
Topics Coverage & Assessment Format**

Level/Stream: Sec 4 Normal (Academic)

Subject	Topics/ Chapters	Assessment Format (format, duration & total marks)
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 <b>NOT</b> be required to provide the Grammar Error Type (G.E.T.) for the errors identified.</li> </ul> <p><b>Section B: Situational Writing (180 – 250 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>informal letter, formal letter, speech, report, etc.</i>)</li> </ul> <p><b>Section C: Continuous Writing (250 – 400 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> <p>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: 45 mins</p> <p>Paper 4 (30 m) Duration: 15 mins</p>

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<b>Elementary Mathematics</b>	<p><b>Number and Algebra</b>  Indices, Algebraic Manipulation, Make the subject, Distance-Time graph, Quadratic Equations, Inequalities, Simultaneous Equations, Prime factorisation, HCF, LCM, conversion of units, Graphs of Quadratic Functions, Power &amp; Exponential functions, Number Pattern, Estimation &amp; Approximation, Real numbers, Problems In Real World Context, Ratio, Percentage, Surface Area, Map Scales &amp; Proportion, Profit, Loss, Simple &amp; Compound Interest</p> <p><b>Geometry and Measurement</b>  Trigonometric Ratios of Acute Angles, Angles &amp; Polygons, Sine Rule and Cosine Rule, Bearings, Angles of elevation, depression, Construction, Mensuration, Congruence &amp; Similarity, Coordinate Geometry, Arc Length &amp; Sector Area, Circle Properties</p> <p><b>Statistics and Probability</b>  Probability, Mean &amp; Standard Deviation, cumulative frequency, Statistics</p> <p>Textbook: Discovering Mathematics (Publisher: Star Publishing)</p>	<p><u>Paper 1 (80 marks) [2 hr]</u>  Answer all questions</p> <p><u>Paper 2 (60 m) [2 hr]</u>  Section A  Answer all questions</p> <p>Section B  Choose 1 out of 2 questions</p>
<b>Additional Mathematics</b>	<p>Chapter 1: Equations and Inequalities  Chapter 2: Surds and Indices (exclude Exponential Functions)  Chapter 3: Polynomials and Partial Fractions (exclude Partial Fractions)  Chapter 5: Binomial Theorem  Chapter 6: Points, Lines and Shapes  Chapter 9: Parabolas and Circles  Chapter 11: Trigonometric Functions  Chapter 12: Simple Trigonometric Identities and Equations  Chapter 13: Further Trigonometric Identities  Chapter 14: Differentiation  Chapter 15: Tangents, Normals and Rates of Change  Chapter 16: Maxima and Minima</p> <p>Textbook: Additional Mathematics 360 (Marshall Cavendish Education)</p>	<p>One Paper (70 marks)  Answer all questions.</p> <p>Duration: 1 hr 45 mins</p>

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<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 Chapter 11: Waves Chapter 12: Electromagnetic Waves Chapter 13: Sound Chapter 15: Current Electricity Chapter 16: DC Circuits Chapter 17: Practical Electricity  Textbook: Discover Physics GCE 'O' Level Science	<b>Paper 1</b> Multiple Choice Questions (20m)  <b>Paper 2</b> 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
<b>Combined Science (Chemistry)</b>	Chapter 1: Kinetic Particle Theory Chapter 2: Measurement and Experimental Techniques Chapter 3: Purification and Separation Chapter 4: Elements, Compounds and Mixtures Chapter 5: Atomic Structure Chapter 6: Chemical Bonding Chapter 7: Writing Equations Chapter 8,1 – 8.3: The Mole Chapter 10: Acids and Bases Chapter 11: Salts Chapter 13: Metals Chapter 14: The Periodic Table Chapter 17: The Atmosphere and Environment  Textbook: Discover Chemistry GCE 'O' Level Science	<b>Paper 3</b> Multiple Choice Questions (20m)  <b>Paper 4</b> 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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<b>Humanities (Social Studies)</b>	<p><u>Source-Based Case Study (SBCS) Skills</u></p> <ul style="list-style-type: none"> <li>- Inference</li> <li>- Compare and Contrast</li> <li>- Reliability</li> <li>- Utility</li> <li>- Evaluation</li> </ul> <p><u>Structured Response Questions</u> (Issue 2: Chapters 4 – 6 only)</p> <ul style="list-style-type: none"> <li>- Explain 2 suggestions</li> <li>- Evaluate factors</li> </ul> <p>Textbook: Upper Secondary Social Studies</p>	<p><b>Section A (35 m)</b></p> <ul style="list-style-type: none"> <li>- Source-Based Case Study</li> <li>- 5 sub-questions (all compulsory)</li> </ul> <p><b>Section B (15 m)</b></p> <ul style="list-style-type: none"> <li>- Structured Response Questions</li> <li>- 2 sub-questions (all compulsory)</li> </ul> <p>Total: 50 marks Duration: 1 hr 45 mins</p>
<b>Humanities (Geography)</b>	<ol style="list-style-type: none"> <li>1. Geographical Skills and Investigation Gateway 3 (Sec 3 textbook pp. 166 – 177)</li> <li>2. Global Tourism Gateway 1, 2 and 3 (Sec 4 textbook pp. 2 – 89)</li> <li>3. Living with Tectonic Hazards Gateway 1 and 2 (Sec 3 textbook pp. 2 – 47)</li> </ol> <p>Textbook:</p> <ol style="list-style-type: none"> <li>1. All About Geography Upper Secondary – Physical Geography Elective (Revised Edition) (Hodder Education) <b>AND</b></li> <li>2. All About Geography Upper Secondary – Human Geography Elective (Revised Edition) (Hodder Education)</li> </ol>	<p>Answer all questions</p> <p><b>Section A (13m)</b> Q1: Geographical investigation on variable weather &amp; changing climate</p> <p><b>Section B (12m)</b> Q2: Structured question on global tourism</p> <p><b>Section C (25m)</b> Q3: Structured question on living with tectonic hazards</p> <p>Total: 50 marks Duration: 1 hr 40 mins</p>