

Woodgrove Secondary School
End-of-Year Examination 2020
Topics Coverage & Assessment Format

	<p><u>听力考试 (30 分钟)</u></p> <ul style="list-style-type: none"> 10 题 20 分 考查内容包括日常会话、广告、说明、故事、新闻报道等 	
<p>Malay Language</p> <p>&</p> <p>3NA (SBB Exp)</p>	<p><u>Paper 1 (Email & Essay Writing) – 60 m</u></p> <ul style="list-style-type: none"> Sect A (20m) Email (1 Formal and 1 Non-formal) [Choose 1 out of 2 Email questions] Sect B (40m) 1 Narrative, 1 Expository, 1 Descriptive [Choose 1 out of 3 Essay questions] <p><u>Paper 2 - 70 m</u></p> <ul style="list-style-type: none"> <u>Sect A (30m) – Grammar</u> Pengimbuhan – awalan, apitan & akhiran Peribahasa Melengkapkan Teks – Golongan Kata <u>Sect B (10m) - Comprehension MCQ</u> Pemahaman berbentuk MCQ berdasarkan bahan autentik – iklan, brosur, poster, risalah, menu dan lain-lain lagi <u>Sect C (30m) - Comprehension Subjective</u> Pemahaman berbentuk subjektif berdasarkan teks naratif <p><u>Paper 3 Listening Comprehension – 20m</u> 10 MCQ Questions</p>	<p>Paper 1 (Email & Essay Writing) - 60m Duration: 2hrs</p> <p>Paper 2 (Grammar) - 60m Duration: 1.5hrs</p> <p>Paper 3 (Listening Comprehension) – 20m Duration: 30 mins</p>
<p>Elementary Mathematics</p> <p>&</p> <p>3NA (SBB Exp)</p>	<p>Sec 3 Topics Chapter 1: Indices Chapter 2: More Abt Quadratic Equations Chapter 3: Linear Inequalities Chapter 4: Conditions Of Congruence And Similarity Chapter 5: Coordinate Geometry Chapter 6: Functions and Graphs Chapter 7: Trigonometry Chapter 8: Applications Of Trigonometry Chapter 9: Arc Lengths, Sector Areas and Radian Measure</p> <p>Lower Sec Topics Algebra Numbers and their Operations, Factor and Multiples Ratio and Proportion, Map Scales, Financial Transactions, Percentage, Rate and Speed Angles, Triangles and Polygons, Data Analysis and Probability, Measures of Central Tendency Mensuration</p> <p>Textbook: Discovering Mathematics (Star Publishing Pte Ltd)</p>	<p>Paper 1 (80m) 2h Answer all questions</p> <p>Paper 2 (100m) 2h 30min Answer all questions.</p>

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<p>Additional Mathematics</p>	<p>Chapter 1: Quadratic Functions Chapter 2: Equations and Inequalities Chapter 3: Surds Chapter 4: Polynomials and Partial Fractions Chapter 5: Exponential and Logarithmic Functions and Equations Chapter 6: Binomial Expansions Chapter 7: Coordinate Geometry of Lines and Rectilinear Figures Chapter 8: Coordinate Geometry of Circles Chapter 9.1 - 9.2: Trigonometric Functions, Graphs and Equations</p> <p>Textbook: New Discovering Additional Mathematics</p>	<p>Duration: 2h 15 min Total Marks: 90 Answer All Questions.</p>
<p>Pure Biology</p>	<p>Chapter 2: Cells Chapter 3: Movement of Substances Chapter 4: Nutrients Chapter 5: Enzymes Chapter 6: Nutrition in Humans Chapter 7: Nutrition in Plants Chapter 8: Transport in Humans Chapter 9: Transport in Plants Chapter 10: Respiration</p> <p>Textbook: 'O' Level Biology Matters 2nd Edition (Marshall Cavendish Education)</p>	<p><u>Section A (30m)</u> Multiple Choice Questions</p> <p><u>Section B (40m)</u> Structured Questions</p> <p><u>Section C (30m)</u> Free Response Questions</p> <p>Total marks: 100</p> <p>Duration: 2 h 15 mins</p>
<p>Pure Chemistry</p>	<p>Chapter 1: Kinetic Particle Theory Chapter 2: Measurement and Experimental Techniques Chapter 3: Purification and Separation Chapter 4: Elements, Mixtures & Compounds Chapter 5: Atomic Structure Chapter 6: Ionic Bonding Chapter 7: Covalent and Metallic Bonding Chapter 8: Writing Chemical Equations Chapter 9: The Mole Chapter 10: Chemical Calculations Chapter 11: Acids & Bases Chapter 12: Salts Chapter 16: The Periodic Table</p> <p>Textbook: 'O' Level Chemistry Matters 2nd Edition (Marshall Cavendish Education)</p>	<p><u>Section A (30m)</u> Multiple Choice Questions</p> <p><u>Section B (40m)</u> Structured Questions</p> <p><u>Section C (30m)</u> Free Response Questions</p> <p>Total marks: 100</p> <p>Duration: 2 h 15 mins</p>
<p>Pure Physics</p>	<p>Chapter 1: Measurement Chapter 2: Kinematics Chapter 3: Forces Chapter 4: Mass, Weight and Density Chapter 5: Turning Effect of Forces Chapter 6: Energy, Work & Power Chapter 7: Pressure Chapter 8: Temperature Chapter 9: Kinetic Model of Matter Chapter 10: Transfer of Thermal Energy Chapter 11: Thermal Properties of Matter</p>	<p><u>Section A (30m)</u> Multiple Choice Questions</p> <p><u>Section B (40m)</u> Structured Questions</p> <p><u>Section C (30m)</u> Free Response Questions</p> <p>Total marks: 100</p> <p>Duration: 2 h 15 mins</p>

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	Textbook: 'O' Level Physics Matters 4th Edition (Marshall Cavendish Education)	
Combined Science (Biology)	<p>Chapter 2: Cells Chapter 3: Movement of Substances Chapter 4: Nutrients Chapter 5: Enzymes Chapter 6: Nutrition in Humans Chapter 8: Transport in Humans Chapter 10: Respiration</p> <p>Textbook: Discover Biology GCE 'O' Level Science (Marshall Cavendish Education)</p>	<p><u>Section A (15m)</u> Multiple Choice Questions</p> <p><u>Section B (35m)</u> Structured Questions</p> <p><u>Section C (20m)</u> Free Response Questions</p> <p>Total marks: 70</p> <p>Duration: 1 h 30 mins</p>
Combined Science (Physics) & 3NA (SBB Exp)	<p>Chapter 1: Measurement Chapter 2: Kinematics Chapter 3: Forces and Pressure Chapter 4: Mass, Weight and Density Chapter 5: Turning Effect of Forces Chapter 6: Energy, Work & Power Chapter 7: Kinetic Model of Matter Chapter 8: Transfer of Thermal Energy Chapter 9: Thermal Properties of Matter Chapter 12: Electromagnetic Waves</p> <p>Textbook: Discover Physics GCE 'O' Level Science (Marshall Cavendish Education)</p>	<p><u>Section A (15m)</u> Multiple Choice Questions</p> <p><u>Section B (35m)</u> Structured Questions</p> <p><u>Section C (20m)</u> Free Response Questions</p> <p>Total marks: 70</p> <p>Duration: 1 h 30 mins</p>
Combined Science (Chemistry) & 3NA (SBB Exp)	<p>Chapter 1: Kinetic Particle Theory Chapter 2: Measurement and Experimental Techniques Chapter 3: Separation and Purification Chapter 4: Elements, Compounds and Mixtures Chapter 5: Atomic Structure Chapter 6: Chemical Bonding Chapter 7: Writing Chemical Equations Chapter 10: Acids and Bases Chapter 11: Salts [11.1, 11.2 and 11.3 (Identifying gases only)] Chapter 14: The Periodic Table [14.1 and 14.2 - Features of the Periodic Table/ Periodic Trends only]</p> <p>Textbook: GCE 'O' Level Chemistry Matters (Marshall Cavendish Education)</p>	<p><u>Section A (15m)</u> Multiple Choice Questions</p> <p><u>Section B (35m)</u> Structured Questions</p> <p><u>Section C (20m)</u> Free Response Questions</p> <p>Total marks: 70</p> <p>Duration: 1 h 30 mins</p>
Humanities (Social Studies)	<p>Skills:</p> <p>SBCS - Inference, Comparison, Reliability SRQ - Constructing explanations based on 3 extracts</p> <p>Content:</p> <p>Chapter 1 - What does it mean 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?</p>	<p>Answer All questions.</p> <p>Section A (35m) Source-Based Case Study, Questions 1 - 5.</p> <p>Section B (15m) Structured Response Question, Questions 6 & 7.</p>

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	Chapter 4 - What is Diversity? Chapter 5 - Why is there greater diversity in Singapore now?	Total: 50 marks Duration : 1 hr 45 min
Humanities (Geography)	<p>1. Geographical Skills and Investigation Gateway 3 (Sec 3 textbook pp. 166 – 177)</p> <p>2. Living with Tectonic Hazards Gateway 1, 2 and 3 (Sec 3 textbook pp. 2 – 69)</p> <p>3. Variable weather and changing climate Gateway 1 and 2 (Sec 3 textbook pp. 70- - 113)</p> <ul style="list-style-type: none"> • National responses (Sec 3 textbook pp. 114 - 115) not included. <p>Textbook: 1. All About Geography Upper Secondary – Physical Geography Elective (Revised Edition) (Hodder Education)</p>	<p>Answer all questions</p> <p>Section A (13m) Q1: Geographical investigation on variable weather & changing climate</p> <p>Section B (12m) Q2: Structured question on variable weather & changing climate</p> <p>Section C (25m) Q3: Structured question on living with tectonic hazards. Total: 50 marks Duration: 1 hr 40 mins</p>
Humanities (History)	<p>Chapter 2: Stalin's Soviet Union Chapter 3: Hitler's Germany Chapter 4: Outbreak of World War I Chapter 5: Germany's defeat in World War II</p> <p>Textbook: The Making of the Contemporary World Order 1970s – 1991 (Unit 2: The World in Crisis)</p>	<p>Section A (30 m) -Source-Based Case Study -5 sub-questions (all compulsory)</p> <p>Section B (20 m) -Structured Essay Questions -2 sub-questions (Students choose 1 of 2 questions)</p> <p>Total: 50 marks Duration: 1 hr 40 mins</p>
Humanities (Literature in English)	<p><u>Set Text Prose and Unseen Poetry</u> Section A [25 marks] (50%): Students will be given a two-part passage-based question and two essay questions on Fahrenheit 451 by Ray Bradbury. Students must answer only one.</p> <p>Section B [25 marks] (50%): 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.</p>	<p>Written Essay 1 hour 40 min Total marks: 50</p>
Design & Technology	<p><u>Written Paper 40%</u> Topics</p> <ol style="list-style-type: none"> 1. Design-centric question consisting of the following: Technology in Society, Design Situation, Ideation, Evaluation, Research, Design Communication, Ergonomics & Anthropometry 2. Technology - Mechanism 3. Technology - Electronics 	<p>Written paper 40% Duration: 2 hour Total marks: 80</p> <p>Do all questions Q1 Design 26 marks</p>

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	<p>4. Technology - Structures</p> <p>Coursework 60% Journal and Prototype</p>	<p>Q2-4 18 marks each (Electronics, Mechanism and Structures)</p> <p>Coursework 60% Journal and Prototype</p>
Food & Nutrition	<p>Paper 1: Written Exam</p> <ol style="list-style-type: none"> 1. Energy from Food 2. Guidelines for Meal Planning 3. Different Types of Nutritional Needs 4. Carbohydrates 5. Food Commodities - Cereals 6. Fats 7. Proteins 8. Food Commodities - Meat & Alt 9. Vitamins & Minerals 10. Water & Dietary Fibre 11. Heat Transfer & Methods of Cooking 12. The Science Behind Food Preparation and Cooking 13. Sensory Evaluation <p>Textbook: Food Matters (Marshall Cavendish Education)</p> <p>Paper 2: Coursework 2</p>	<p>Paper 1: Section A: 25m (Structured Qns) Section B: 30m (Structured Qns) Section C: 45m (Essay Qns) Duration: 2 hours Total marks: 100m</p> <p>Paper 2: 100m</p>
Art	<p>Candidates will be given the question paper three weeks prior to the examination day. Candidates choose one stimuli from the list of given themes. The preparatory works are to be done in class during Art lesson and at home. They are to bring the preparatory works for submission on the examination day.</p> <p>Students are to bring their own drawing and colouring materials such as colour pencils, acrylic paints, brushes, markers, etc.</p> <p>PREPARATORY WORKS: Students are to produce:</p> <ol style="list-style-type: none"> 1. 8 Observational drawings: <ul style="list-style-type: none"> ● <i>The chosen objects are to be coloured & shaded.</i> 2. 6 Developmental studies <ul style="list-style-type: none"> ● <i>The drawings are to be coloured & shaded</i> 3. 2 Layouts: <ul style="list-style-type: none"> ● <i>Candidates must produce 2 different layout within the size of A4 drawing paper</i> 4. 2 Colour Scheme: <ul style="list-style-type: none"> ● <i>Candidates to produce 2 different colour scheme based on the layout they have chosen.</i> 	<p>Art Paper 2: Drawing & Painting Duration: 3 hours Total Marks: 100</p> <p>Candidates are to redraw the selected layout onto the A3 size drawing paper provided and complete the drawing with full rendering using colour pencils / acrylic paint / markers. Candidates are to submit their preparatory boards and final work for submission.</p>