

BUKIT PANJANG GOVT HIGH SCHOOL
 Topics covered for End of Year Examination 2019
Secondary 3 Express

Subject	Duration	Topics Covered
English Language	1h50m (P1) 1h50m (P2) 45m (P3)	Editing, Situational Writing & Continuous Writing Comprehension (includes Summary Question) Listening Comprehension
English Literature (Full)	1h40m	Fahrenheit 451 (Parts 1, 2 & 3) + Unseen Poetry
English Lit. (Elective)	1h40m	Fahrenheit 451 (Parts 1 & 2) + Unseen Poetry
Geography	1h40m (P1) 1h30m (P2)	Coasts (Gateway 1 - 3) Plate Tectonics (Gateway 1 - 3) Weather and Climate (Gateway 1 - 3)
Geography (Elective)	1h40m	Plate Tectonics (Gateway 1 - 3) Weather and Climate (GI, Gateway 1 – 2)
History (Full)	1h30m (P1A) 50m (P1B)	<p><u>Source-Based Skills</u> Inference (What? Message? Why?) Compare & Contrast Reliability Utility</p> <p><u>Structured Essay Questions</u> Part (a) and Part (b)</p> <p><u>Content</u> Unit 1: European Dominance and Expansion Chapters 1 - 3</p> <p>Unit 2: The World in Crisis Chapters 1 – 7</p> <p>P1A will have SBQ and SEQ P1B will have only SBQ</p>

Subject	Duration	Topics Covered
History (Elective)	1h30m	<p><u>Source-Based Skills</u> Inference (What? Message? Why?) Compare & Contrast Reliability Utility</p> <p><u>Structured Essay Questions</u> Part (a) and Part (b)</p> <p><u>Content</u> Unit 2: The World in Crisis Chapters 1 - 7</p>
Social Studies	1h30m	<p><u>Source-Based Skills</u> Topics covered: Issue 1 & 2</p> <p>Skills covered: -Inference -Compare & Contrast -Reliability -Utility</p> <p><u>Structured Response Questions</u> Topics covered: Issue 1 & 2</p>
Mathematics	1h30m (P1) 1h30m (P2)	<p>Subject content within the Sec 1-3 Mathematics Textbook</p> <p>Paper 1: short-answer questions. Paper 2: questions of varying marks and lengths. The last question will focus on apply mathematics to a real-world scenario.</p>
Additional Mathematics	1h30m (P1) 1h30m (P2)	<p>Subject content within the Textbook from Chapter 1 – 7</p>

Subject	Duration	Topics Covered
Physics	45m (P1) 1h30m (P2) 1h (P3)	<p><u>P1 and P2 (Theory):</u></p> <ol style="list-style-type: none"> 1. Physical Quantity, Units and Measurement 2. Mass, Weight and Density 3. Kinetic Model of Matter 4. Temperature 5. Transfer of Thermal Energy 6. Thermal Properties of Matter 7. Kinematics 8. Dynamics (Forces) 9. Turning Effect of Forces 10. Energy, Work and Power 11. Pressure 12. Light <p><u>P3 (Practical):</u></p> <ul style="list-style-type: none"> ● Manipulation, measurement and observation (MMO) ● Presentation of data and observations (PDO) ● Analysis, conclusions and evaluation (ACE)

Subject	Duration	Topics Covered
Chemistry	45m (P1) 1h30m (P2) 1h (P3)	<p><u>P1 and P2 (Theory):</u></p> <ol style="list-style-type: none"> 1. Experimental Chemistry (Experimental Design, Methods of Purification and Analysis, Identification of Ions and Gases) 2. The Particulate Nature of Matter (Kinetic Particle Theory, Atomic Structure, Structure and Properties of Materials, Ionic Bonding, Covalent Bonding, Metallic Bonding) 3. Formulae, Stoichiometry and the Mole Concept 4. Chemical Reactions (Redox) 5. Acids, Bases and Salts (Acids and bases, Salts) 6. The Periodic Table (Periodic trends, Group properties, Transition elements) 7. Metals (Properties of metals, Reactivity series, Extraction of metals, Recycling of metals, Iron) 8. Air <p><u>P3 (Practical):</u></p> <ul style="list-style-type: none"> ● Planning (P) ● Manipulation, measurement and observation (MMO) ● Presentation of data and observations (PDO) ● Analysis, conclusions and evaluation (ACE)

Subject	Duration	Topics Covered
Biology	45m (P1) 1h30m (P2) 1h (P3)	<u>P1 and P2 (Theory):</u> <ol style="list-style-type: none"> 1. Cells 2. Molecular Genetics 3. Movement of Substances 4. Nutrients 5. Enzymes 6. Nutrition in Man 7. Transport in Man 8. Nutrition in Plants 9. Transport in Plants 10. Respiration in Humans 11. Excretion in Humans <u>P3 (Practical):</u> <ul style="list-style-type: none"> • Planning (P) • Manipulation, measurement and observation (MMO) • Presentation of data and observations (PDO) • Analysis, conclusions and evaluation (ACE)
Chinese Language	2h (P1) 1h30m (P2) 1h (P3)	试卷一：实用文：私人电邮、公务电邮、作文 试卷二：综合填空；阅读理解一、阅读理解二 听力
Higher Chinese Language	2h (P1) 1h45m (P2)	试卷一：私人电邮和公务电邮（2选1）、作文（记叙文、议论文、材料作文——3选1） 试卷二：综合填空、病句修改、阅读理解一（一篇说明文）、阅读理解二（两篇：A 记叙文 B 议论文）
Higher Malay Language	2h (P1) 1h45m (P2)	P1(80m):-Bhg A (20m): E-Mail Tidak Rasmi, Forum, Karangan Deskriptif, Perbincangan & Naratif P2(80m):-Melengkapkan Teks, Mengedit Teks, Peribahasa, Kefahaman Subjektif, Kefahaman Objektif & Peringkasan

Subject	Duration	Topics Covered
Malay Literature (Elective)	1h40m (P2)	Prosa Moden: Sambal Goreng Mak, Kudrat, Pahlawan Panggung & Tika Aksara Menari. Sajak: Anakku & Kepada Pohon Tak Bernama Teks Bebas: Prosa Moden & Sajak

BUKIT PANJANG GOVT HIGH SCHOOL
 Topics covered for End of Year Examination 2019
Secondary 3 Normal (Acad)

Subject	Duration	Topics Covered
English Language	1h50m (P1) 1h50m (P2) 45m (P3)	Editing, Situational Writing & Continuous Writing Comprehension (includes Summary Question) Listening Comprehension
English Lit. (Elective)	1h40m	The River Between (Chapters 1 to 20) + Unseen Poetry
History (Elective)	1h30m	<p><u>Source-Based Skills</u> Inference (What? Message? Why?) Compare & Contrast Reliability Utility</p> <p><u>Structured Essay Questions</u> Part (a) and Part (b)</p> <p><u>Content</u> Unit 2: The World in Crisis Chapters 1 - 5</p>
Geography (Elective)	1h40m	Plate Tectonics (Gateway 1 - 2) Weather and Climate (GI, Gateway 1 - 2)
Social Studies	1h30m	<p><u>Source-Based Skills</u> Topics covered: Issue 1 & 2</p> <p>Skills covered: -Inference -Compare & Contrast -Reliability -Utility</p> <p><u>Structured Response Questions</u> Topics covered: Issue 1 & 2</p>

Subject	Duration	Topics Covered
Mathematics	1h30m (P1) 1h30m (P2)	Subject content within the Sec 1-3 Mathematics Textbook Paper 1: short-answer questions. Paper 2: questions of varying marks and lengths. The last question will focus on apply mathematics to a real-world scenario.
Additional Mathematics	1h30m (P1) 1h30m (P2)	Subject content within the Sec 3 A.Mathematics Textbook from Chapter 1-8 (excluding Chapter 6)
Principles of Accounts	2h	Chapters 1 to 13
Design and Technology	1h30m	<ol style="list-style-type: none"> 1. Design process 2. Mechanism 3. Electronics
Food and Nutrition	1h30m	<ol style="list-style-type: none"> 1. Energy from food 2. Guidelines for meal planning 3. Nutritional needs 4. Meat and alt (meat, poultry and seafood) 5. Science behind cooking 6. Heat transfer and method of cooking 7. Keeping food safe 8. CHO 9. Fats 10. Cereals
Science(Physics)	1h15m	<ol style="list-style-type: none"> 1. Measurement 2. Kinetic Model of Matter 3. Transfer of Thermal Energy 4. Thermal Properties of Matter 5. Mass, Weight and Density 6. Kinematics 7. Dynamics (Forces) 8. Pressure 9. Turning Effect of Forces 10. Energy, Work and Power 11. Waves 12. Electromagnetic Spectrum

Subject	Duration	Topics Covered
Science(Chemistry)	1h15m	<ol style="list-style-type: none"> 1. Experimental Chemistry (Experimental Design, Methods of Purification and Analysis, Identification of Gases) 2. The Particulate Nature of Matter (Kinetic Particle Theory, Atomic Structure, Structure and Properties of Materials, Ionic Bonding and Covalent Bonding) 3. Chemical Formulae 4. Acids, Bases and Salt (Acids and Bases, Salts) 5. The Periodic Table (Periodic Trends, Group Properties)
Science(Biology)	1h15m	<ol style="list-style-type: none"> 1. Cell structure and organization 2. Movement of substances 3. Nutrients 4. Enzymes 5. Nutrition in Humans 6. Nutrition in Plants
Chinese Language	2h (P1) 1h30m (P2) 1h (P3)	试卷一：实用文：私人电邮、公务电邮、作文 试卷二：综合填空；阅读理解一、阅读理解二 听力
Malay Language	2h (P1) 1h30m (P2) 1h (P3)	P1(60m):-E-Mel Tidak Rasmi, E-Mel Rasmi, Karangan Deskriptif, Perbincangan & Naratif P2(70m):- Imbuan, Peribahasa, Melengkapkan Teks, Kefahaman Objektif & Kefahaman Subjektif. P3 (20m):- Kefahaman Mendengar (MCQ)
Chinese Language 'B'	50m (P1) 1h (P2) 40m (P3)	试卷一：实用文、看图作文 试卷二：综合填空、阅读理解一、阅读理解二 试卷三：听力、口试

Subject	Duration	Topics Covered
Malay Language 'B'	50m (P1) 1h (P2) 40m (P3)	P1(20m) :- E-Mel Tidak Rasmi & Karangan Bergambar (Pilih 1) P2(30m):- Melengkapkan Teks (MCQ) & Pemahaman Objektif (MCQ) P3(20m): Kefahaman Mendengar (MCQ)

BUKIT PANJANG GOVT HIGH SCHOOL
 Topics covered for End of Year Examination 2019
Secondary 3 Normal (Tech)

Subject	Duration	Topics Covered
English Language	1h 15m (P1) 1h 20m (P2) 45m (P3)	Form Filling, Functional Writing & Guided Writing Language Use & Comprehension Listening Comprehension
Mathematics (NT)	1h30m (P1) 1h30m (P2)	Subject content within the Sec 1-3 Mathematics Textbook
Elements of Business Skills	1h30m	Chapters 1 to 5
Design and Technology	1h	<ol style="list-style-type: none"> 1) Design processes 2) Mechanism 3) Electronics
Food Studies	1h30m	End of Year Exam, 3NT, Food Studies <ul style="list-style-type: none"> ● Meal planning and analysis (balanced diet and planning meals) ● Reason for cooking ● Pastry ● Batter making ● Method of cooking ● Food safety ● Meat and poultry ● Cereals and cereal products ● Dairy products ● Eggs ● Fruits and vegetabes ● Convenience food ● Fats and oils
Computer Applications	1h (P1) 1h30m (P2)	Computer Fundamentals Media Elements Document Processing Spreadsheet Multimedia Communication Media Computing

Subject	Duration	Topics Covered
Science	1h (P1) 1h15m (P2)	<u>Module 4</u> 1. Energy and Its Uses 2. Energy Transfer Through Waves 3. Effects of Forces 4. Electricity 5. Sources of Electricity <u>Module 5</u> 6. Sources of Food 7. Food Chemistry 8. Food Health and Safety
Basic Chinese Language	50m (P1) 1h (P3)	试卷一：选词填空、错字辨析、短文填充、综合 填空、阅读理解一、阅读理解二 试卷三：听力
Basic Malay Language	50m (P1) 1h (P3)	P1 (30m) :- Melengkapkan Teks (MCQ), Kefahaman Objektif (MCQ) & Penulisan SMS/E- Mel Tidak Rasmi P3(20m):- Kefahaman Mendengar (MCQ)