Subject	Topics Covered
Elementary Mathematics	Sec 1 Chapters
	Sec 2 Chapters
	Sec 3 Chapter 1 to 10
Additional Mathematics	Chapters 1 to 9.2 (Up to page 213 of textbook)
Physics	Papers 1 and 2 (Theory):
	1. Physical Quantity, Units and Measurement
	2. Kinematics
	3. Dynamics (Forces)
	4. Mass, Weight and Density
	5. Turning Effect of Forces
	6. Pressure
	7. Energy, Work and Power
	8. Kinetic Model of Matter
	9. Transfer of Thermal Energy
	10. Temperature
	11. Thermal Properties of Matter
	12. Light (exclude critical angle, total internal reflection, lenses)
	Paper 3 (Practical):
	 Manipulation, measurement and observation (MMO)
	 Presentation of data and observations (PDO)
	 Analysis, conclusions and evaluation (ACE)

Subject	Topics Covered
Chemistry	Papers 1 and 2 (Theory):
	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)
	Paper 3 (Practical):
	Planning (P)
	 Manipulation, measurement and observation (MMO)
	 Presentation of data and observations (PDO)
	 Analysis, conclusions and evaluation (ACE)

Subject	Topics Covered
Biology	Papers 1 and 2 (Theory):
	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
	Paper 3 (Practical):
	 Planning (P)
	 Manipulation, measurement and observation (MMO)
	 Presentation of data and observations (PDO)
	 Analysis, conclusions and evaluation (ACE)

Subject	Topics Covered
Science 'O'	Physics
(Physics,	1. Physical Quantity, Units and Measurement
Chemistry)	2. Kinematics
	3. Dynamics (Forces)
	4. Mass, Weight and Density
	5. Turning Effect of Forces
	6. Pressure
	7. Energy, Work and Power
	8. Kinetic Model of Matter
	9. Transfer of Thermal Energy
	10. Thermal Properties of Matter
	11. General Waves
	12. Electromagnetic Spectrum
	13. Light - Reflection, Refraction, Total Internal Reflection only
	<u>Chemistry</u>
	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)

Subject	Topics Covered
English Literature	'Fahrenheit 451' (Parts 1, 2 & 3) + Unseen Poetry
(Full)	
English Literature	'Fahrenheit 451' (Parts 1 & 2) + Unseen Poetry
(Elective)	
Geography	Paper 1
	Coasts: Gateway 1 - 3, Geographical Investigation
	Paper 2
	Plate Tectonics: Gateway 1 - 3
	Weather and Climate: Gateway 1 - 3
Geography	Plate Tectonics: Gateway 1 - 3
(Elective)	Weather and Climate: Gateway 1-2, Geographical
	Investigation
History (Full)	Topics tested for both SBCS* and Structured-Essay Questions
	Southeast Asia History
	British colonial rule in Malaya*
	French colonial rule in Vietnam
	Modern World History
	Impact of World War I
	Stalin's USSR*
	Hitler's Germany*
	Outbreak of War in Europe + Defeat of Germany (both chapters
	should be studied together)
	Outbreak of War in Japan + Defeat of Japan (both chapters should be studied together)
	Any of the SBCS & SEQ topics may appear in P1 and P2.
	(SBCS topics* may also be tested for SEQ is they are not set for
	SBCS)
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Subject	Topics Covered
History (Elective)	Topics tested for both SBCS* and Structured-Essay Questions
	Impact of World War I
	Stalin's USSR*
	Hitler's Germany*
	Outbreak of War in Europe + Defeat of Germany (both chapters
	should be studied together)
	(SBCS may also be tested for SEQ is they are not set for SBCS)
Social Studies	Issue 1 (chapters 1-3) and Issue 2 (chapters 4-6)
Malay Literature	1. Prosa Moden: Tika Aksara Menari , Kudrat, Nyanyuk.
(Elective)	2. Sajak: Tidak Senang Dengan Duduk-duduk, Kepada
	Pohon Tak Bernama, Ke Makam Bonda
	3. Teks Bebas: Prosa Moden & Sajak
Chinese Literature	A组 : 指定文本选读(现当代小说、诗歌)
(Elective)	B组 : 文学作品赏析 (课外小说、新诗文本)

Subject	Topics Covered
Elementary Mathematics	Sec 1 Chapters
	Sec 2 Chapters
	Sec 3 Chapters 1 to 10
Mathematics Syllabus A	Sec 1 Chapters
	Sec 2 Chapters
	Sec 3 Chapters 1-7
Additional	Sec 3 Chapters 1, 2, 3, 4, 7, 9
Mathematics	
Principles	Chapters 1-5, 9-12, 14, 17
of Accounts	
Design and Technology	1. Design process Communications
	2. Mechanism
	3. Electronics
Nutrition & Food Science	1. Proteins
	2. Carbohydrates
	3. Fats
	4. Vitamins
	5. Minerals
	6. Water & Dietary fibre
	7. Diet & Health Problems
	8. Diet and Meal Planning
	9. Preparation and Cooking of Food
	10. Methods of cooking
	11. Reactions in food during preparation and cooking
	12. Sensory Evaluation

Subject	Topics Covered
Science 'N'	1. Measurement
(Physics)	2. Kinematics
	3. Dynamics (Forces)
	4. Mass, Weight and Density
	5. Pressure
	6. Turning Effect of Forces
	7. Energy, Work and Power
	8. Kinetic Model of Matter
	9. Transfer of Thermal Energy
	10. Thermal Properties of Matter
Science	1. Experimental Chemistry (Experimental Design, Methods of
'N'(Chemistry)	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)
Science 'N'	1. Cell structure and organization
(Biology)	2. Movement of substances
	3. Nutrients
	4. Enzymes
	5. Nutrition in Humans
	6. Nutrition in Plants

Subject	Topics Covered
Science 'O' (P,C)	Physics
O Level	1. Physical Quantity, Units and Measurement
	2. Kinematics
	3. Dynamics (Forces)
	4. Mass, Weight and Density
	5. Turning Effect of Forces
	6. Pressure
	7. Energy, Work and Power
	8. Kinetic Model of Matter
	9. Transfer of Thermal Energy
	10. Thermal Properties of Matter
	11. General Waves
	12. Electromagnetic Spectrum
	13. Sound
	14. Light - Reflection, Refraction & Total Internal Reflection only
	<u>Chemistry</u>
	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. Metals (Properties of metals, Reactivity series, Extraction of
	metals, Recycling of metals, Iron)

Subject	Topics Covered
English Literature	'Code Name Verity' + Unseen Poetry
(Elective)	
Geography	Plate Tectonics: Gateway 1 - 2
(Elective)	Weather and Climate: Geographical Investigation,
	Gateway 1 - 2
History (Elective)	Topics tested for both SBCS* and Structured-Essay Questions
	Impact of World War I
	Stalin's USSR*
	Hitler's Germany*
	Outbreak of War in Europe + Defeat of Germany (both chapters
	should be studied together)
Social Studies	Issue 1 (chapters 1-3) and Issue 2 (chapters 4-6)

Subject	Topics Covered
Mathematics	Sec 1 Chapters
Syllabus T	Sec 2 Chapters
	Sec 3 Chapters 1-5
Mathematics	Sec 1 Chapters
Syllabus A	Sec 2 Chapters
	Sec 3 Chapters 1-7
Science (NT)	Module 4
	1. Energy and Its Uses
	2. Energy Transfer Through Waves
	3. Effects of Forces
	4. Electricity
	5. Sources of Electricity
	Module 6
	9. Digestion
	10. Breathing
	11. Fitness and Cardiac Health
	12. Staying Healthy (units 12.1 & 12.2 only)
Elements of Business	Chapters 1 to 6 (Up to page 126 of textbook)
Skills	
Computer Applications	All topics from Sec 1 to 3 except video making

Subject	Topics Covered
Design and	1. Design Communications
Technology	2. Mechanism
Food Studies	1. Planning meals + Meal Analysis
	2. Food Management (Reason for cooking, Evaluation of food
	& food safety, pastries & cake making)
	3. Food Commodities
	(A) Meat & poultry
	(B) Cereals & cereal products
	(C) Eggs
	(D) Dairy products
	(E) Vegetables
	(F) Fruits
	(G) Convenience food
	(H) Fats and oil