

Sec 4 WA 1 Topics / Skills tested				
No.	Subject	Express	Normal Academic	Normal Technical
		Topics / Skills	Topics / Skills	Topics / Skills
1	English Language	Paper 1 Free Writing (Blended Essay)	Paper 1 Free Writing (Blended Essay)	Paper 1 Continuous Writing (Reflective Essay)
2a	Higher Chinese Language	Paper 2 Component: Grammar, Vocabulary, Comprehension		
2b	Chinese Language	Paper 2 Component: Grammar, Vocabulary, Comprehension	Paper 2 Component: Grammar, Vocabulary, Comprehension	Paper 2 Component: Grammar, Vocabulary, Comprehension
2c	Malay Language	Paper 2 Component: Grammar, Vocabulary, Comprehension	Paper 2 Component: Grammar, Vocabulary, Comprehension	Paper 2 Component: Grammar, Vocabulary, Comprehension
2d	Tamil Language	Paper 2 Component: Grammar, Vocabulary, Comprehension	Paper 2 Component: Grammar, Vocabulary, Comprehension	
3	Mathematics	<u>Sec 4</u> Chap 1: Set Language and Notation Chap 2: Probability <u>Sec 3</u> Chap 11: Geometrical Properties of Circles <u>Topical TYS</u> TYS Unit 1.1 Numbers and their Operations	<u>Sec 4</u> Chap 1: Applications of Trigonometry <u>Topical TYS</u> TYS Unit 1.1 Numbers and their Operations	<u>Sec 4</u> Chap 1: Fractional Equations <u>Sec 3</u> Chap 3: Algebraic Expansion and Fractions <u>Topical TYS</u> TYS Unit 1.1 Numbers and their Operations TYS Unit 1.2 Ratio and Proportion

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4	Additional Mathematics	Chap10.1: Trigonometric Function of Angles Chap 10.2: Graphs of Trigonometric Functions Chap11.1: Simple Trigonometric Identities Chap11.2: Solving Trigonometric Equations Chap 11.3: Addition Formulae Chap 11.4: Double Angle Formulae Chap 11.5: R-Formulae	Chap 11.1: Simple Trigonometric Identities Chap11.2: Solving Trigonometric Equations Chap 11.3: Addition Formulae Chap11.4: Double Angle Formulae	
5	Social Studies	Chap 8: Factors that contribute to globalisation (4E) 1. SBQ skills 2. Essay Writing skills	Chap 8: Factors that contribute to globalisation 1. SBQ skills 2. Essay Writing skills	
6	Humanities - Geography	Climate - 3.2 Variation of climate risks across places Climate - 3.3 Effectiveness of mitigation strategies in building community resilience to climate change Climate - 3.4 Effectiveness of adaptation strategies in building community resilience to climate change.	Climate - Topic 1 Weather and climate Climate - Topic 2 Climate change	
7	Humanities - History	Chap 5: Key developments leading to the outbreak of World War II in the Asia-Pacific Chap 6: Reasons for the end of World War II 1. SBQ skills 2. SEQ skills	Chap 5: Key developments leading to the outbreak of World War II in the Asia-Pacific Chap 6: Reasons for the end of World War II 1. SBQ skills 2. SEQ skills	

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8	Humanities - Literature	Section A - Set Text		
9	Physics	Chap 11: General Wave Properties I: Introduction Chap 14: Light - Reflection, Refraction, Lens Chap 15: Static Electricity		
10	Chemistry	Mole Calculations Ammonia Atomic Structure & Bonding		
11	Biology	Nutrition and Transport in Plants, Infectious Disease in Humans, Homeostasis, Co- ordination and Response in Humans		
12	Science - Biology	4E: Nutrition and Transport in Plants, Respiration in Humans, Infectious Disease in Humans 5O: Nutrition and Transport in Plants, Respiration in Humans, Transport in Humans	Respiration in Humans, Nutrition and Transport in Plants.	
13	Science - Physics	4E: Chap 12 - Light Sec 5: Chap 5: Turning Effects of Forces Chap 10: General Wave Properties II: Sound	1. Chap 11: Electromagnetic waves 2. Chap 13: Electric charge and Current Electricity.	

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14	Science - Chemistry	1) Rate of Reaction (Sec 5) 2) Energetics (Sec 5) 3) Reduction & Oxidation	1) Rate of Reaction 2) Metals & Reactivity	
15	Art	Portfolio Marking	Portfolio Marking	
16	Nutrition and Food Science	Chap 11. Preparation and Cooking of Food Chap 13: Food Science Reactions in Preparation and Cooking	Chap 9. Meal Analysis Chap 11. Preparation and Cooking of Food (Meat, Poultry, Seafood) Chap 14. Sensory Evaluation	
17	Design and Technology	1. Design Communication 2. Basic Electricity & Electronics 3. Structures	1. Design Communication 2. Basic Electricity & Electronics	
18	CPA			Document Word Processing & Computer Fundamentals: Internet applications, Use and Impact of Computers
19	Mobile Robotics			1. Interpret and apply schematic diagram in connecting a control circuit (Practical) 2. Ch. 5 Design & Ch. 6 Input and Output Devices (MCQ)
20	NT Science			7 Food Safety 8 Staying Healthy Skills: Graph drawing and interpreting
21	Elements of Business Skills Performance Task (conducted during lessons)			Task 2B- Customers of selected business Task 3A - The Marketing Mix