

Beatty Secondary School

Secondary Three

Topics for SA2 (2019)

Secondary 3 Express

Format & Components By Subject

Subject	Format of Assessment	Components/Topics	Marks	Weighting for SA2
English Language	Paper 1	Section A: Editing Section B: Situational Writing Section C: Continuous Writing Total	10 m 30 m 30 m 70 m	35 %
	Paper 2	Comprehension (Visual Text) Comprehension (Narrative Text) Comprehension (Non-narrative Text) Total	5 m 20 m 25 m 50 m	35 %
	Paper 3	Listening Section A Section B Total	24 m 6 m 30 m	10 %
	Paper 4	Oral Communication Part 1: Reading Aloud Part 2: Spoken Interaction Total	10 m 20 m 30 m	20 %
English Literature	-	Essay Passage-based Question (William Shakespeare's <i>Macbeth</i>)	25 m 25 m	100 %
E Math	Paper 1	Sec 3 topics: Chapter 1 (Indices) Chapter 2 (More about Quadratic Equations) Chapter 3 (Linear Inequalities) Chapter 4 (Conditions of Congruency and Similarity) Chapter 5 (Coordinate Geometry) Chapter 6 (Functions & Graphs) Chapter 7 (Trigonometry) Lower Sec Topics: Lower Sec Algebra Map Scale Rate, Ratio & Proportion Statistics (Data representation, mean/median/mode)	60 m	50 %

Subject	Format of Assessment	Components/Topics	Marks	Weighting for SA2
E Math	Paper 2	Sec 3 topics: Chapter 1 (Indices) Chapter 2 (More about Quadratic Equations) Chapter 3 (Linear Inequalities) Chapter 4 (Conditions of Congruency and Similarity) Chapter 5 (Coordinate Geometry) Chapter 6 (Functions & Graphs) Chapter 7 (Trigonometry) Lower Sec Topics: Lower Sec Algebra Map Scale Rate, Ratio & Proportion Statistics (Data representation, mean/median/mode)	80 m	50 %
A Math		Sec 3 topics: Chapter 1 (Simultaneous Equations, Polynomials & Partial Fractions) Chapter 2 (Quadratic Equations, Inequalities & Modulus Functions) Chapter 3 (Binomial Theorem) Chapter 4 (Indices, Surds & Logarithms) Chapter 5 (Coordinate Geometry) Chapter 6 (Further Coordinate Geometry) Chapter 8 (Trigonometry) Chapter 9 – Only 9.1 (Trigonometric Identities) and 9.2 (Proving Identities) are tested	80 m	100 %
Chinese Language	Paper 1	Email & Essay Writing	60 m	30 %
	Paper 2	Language Usage and Comprehension	70 m	35 %
	Paper 3	Listening Comprehension	20 m	10 %
	Paper 3	Oral Exam (Conducted in Semester 1)	50 m	25 %
Higher Chinese Language	Paper 1	Email Writing and Essay Writing	80 m	40%
	Paper 2	Higher Chinese 'O' level Paper format	80 m	40 %
	Paper 3	Oral Examination	50 m	20 %

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Malay Language	Paper 1	Email Writing and Essay Writing	60 m	30 %
	Paper 2	Language Usage and Comprehension (Textbooks A & B)	70 m	35 %
	Paper 3	Listening Comprehension	20 m	10 %
	Paper 3	Oral Exam (Conducted in Semester 1)	50 m	25 %
Tamil Language	Paper 1	Email Writing and Essay Writing	60 m	30 %
	Paper 2	Language Usage and Comprehension 1. Idioms & Phrases (FIB) (Sec 1-3 Textbooks A & B) 2. Paraphrase of Sentences (open-ended) 3. Cloze Passage (FIB) 4. Comprehension 1(MCQ) 5. Comprehension 2 (open-ended) 6. Synonyms (open-ended)	70 m	35 %
	Paper 3	Listening Comprehension	20 m	10 %
	Paper 3	Oral Exam (Conducted in Semester 1)	50 m	25 %
Higher Tamil Language	Paper 1	Functional writing: Informal Email/Forum/Blog (20m) Essay writing (60m)	80 m	40 %
	Paper 2	Language Usage and Comprehension 1. Cloze Passage (FIB) 2. Editing (open-ended) 3. Join/Split of Words (open-ended) 4. Comprehension 1(MCQ & open-ended) 5. Synonyms (open-ended) 6. Comprehension 2 (open-ended) 7. Summary (open-ended)	80 m	40 %
	Paper 3	Oral Exam 2 min Oral Presentation based on Video Stimulus (20) + Presentation based Conversation (20)	40 m	20 %

Subject	Format of Assessment	Components/Topics	Marks	Weighting for SA2
Principles of Accounts	Paper 1	Chapter 2: The Accounting Information System – Source Documents & Journals Chapter 4: Ledger Accounts – Capital & Drawings Accounts Chapter 6: Cash Book and Petty Cash Book Chapter 8: Adjusted Trial Balance	40 m	40 %
	Paper 2	Chapter 7: Bank Reconciliation Chapter 11: Prepayments and Accruals Chapter 12: Inventory Chapter 15: Trade Payable Account Chapter 19: Financial Statements with Adjustments	60 m	60 %
Geography	Paper 1 (1hr 40 min)	<u>Topic: Tourism</u> <u>Section A</u> Geographical Investigation (25m) <u>Section B</u> SEQ (25m)	50 m	50 %
	Paper 2 (1hr 30 min)	<u>Section A (SEQ)</u> Coast (25m) Weather and Climate (25m)	50 m	50 %
Humanities (Geography)	Paper 2 (1hr 40 min)	<u>Section A (Tourism)</u> Geographical Investigation (13m) <u>Section B (Tourism)</u> SEQ (12m) <u>Section C (Tourism and Plate Tectonics)</u> SEQ (25m)	50 m	50 %
Humanities (Social Studies)	<u>Section A</u> Source-based Case study <u>Section B</u> Structured Response Question	Issue 1 - Exploring Citizenship and Governance (Ch 3) Issue 2 - Living in a Diverse Society (Ch 4-6) SBQ Skills – Inference, Compare Contrast, Reliability, Evaluation	50 m	50 %

Subject	Format of Assessment	Components/Topics	Marks	Weighting for SA2
Humanities (History)	<u>Section A</u> Source-based Case study <u>Section B</u> Structured Response Question	Stalin's Soviet Union Hitler's Germany Outbreak of WW2 in Europe Defeat of Germany in WW2 SBQ skills – Inference, Compare Contrast, Reliability, Evaluation	50 m	50 %
Art	Paper 2	Selected Theme <ul style="list-style-type: none"> • Gathering and Investigation (20%) • Exploration and Development (20%) • Material and Technical Control (20%) • Aesthetic Quality (20%) • Personal Response (20%) 	100 m	60 %
Design & Technology	Paper 1 (Written Paper)	<ul style="list-style-type: none"> • Design Process <ul style="list-style-type: none"> - Planning & Monitoring of Design Project - Research & Evaluation - Generating and Developing ideas - Sketching & drawing to design - Using Mock-ups to design • Structures • Mechanisms • Electronics 	26 m 18 m 18 m 18 m	30 %
	Paper 2 (Coursework)	<ul style="list-style-type: none"> • Design Process <ul style="list-style-type: none"> - Planning & Monitoring of Design Project - Research & Evaluation - Generating and Developing ideas - Sketching & drawing to design - Using Mock-ups to design - Communicating Proposed Design Solution - Realising Prototype 	60 m	70 %

Subject	Format of Assessment	Components/Topics	Marks	Weighting for SA2
Food & Nutrition	Paper 1	Topics: <ul style="list-style-type: none"> • Fats • Vitamins • Minerals • Water • Dietary fibre • Science of Food Preparation & Cooking • Meal Planning & Nutritional Tools • Fruits • Vegetables • Food Labels 	100 m	40 %
	Paper 2	Coursework	100 m	60 %

Subject	Format of Assessment	Components/Topics	Marks	Weighting for SA2
6091 Physics	Paper 1: MCQ 1 hour	<ul style="list-style-type: none"> • Physical quantities, units and measurements • Kinematics • Forces • Mass, weight and density • Turning effect of forces • Kinetic model of matter • Temperature • Transfer of heat energy • Thermal properties of matter • Waves • Light • Electromagnetic spectrum • Sound 	40 m	100 %
	Paper 2: Structured and Free Response 1 hour 45 min		80 m	
6092 Chemistry	Paper 1: MCQ 1 hour	<ul style="list-style-type: none"> • Experimental Design • Methods of Separation and Purification • Kinetic Particle Theory • Atomic Structure • Elements, Compounds and Mixture • Chemical Bonding • Formulae and Equations • Acids and Bases • Salt Preparation • Ionic Equations • Qualitative Analysis • Stoichiometry and Mole Concept • Redox 	40 m	100 %
	Paper 2: Structured and Free Response 1 hour 45 min		80 m	

6093 Biology	Paper 1: MCQ 1 hour	<ul style="list-style-type: none"> • Cells • Movement of Substances • Nutrients • Enzymes 		40 m	100 %
	Paper 2: Structured and Free Response 1 hour 45 min	<ul style="list-style-type: none"> • Nutrition in Humans • Nutrition in Plants • Transport in Humans • Transport in Plants • Respiration • Excretion 		80 m	
5076 Science (Physics / Chemistry)	Paper 1: MCQ (Q1-Q20: Physics Q21-40: Chemistry)	<u>Physics</u> <ul style="list-style-type: none"> • Physical quantities, units and measurements • Kinematics • Forces • Pressure • Mass, weight and density • Kinetic model of matter • Transfer of heat energy • Thermal properties of matter • Waves • Light • Electromagnetic spectrum • Sound 	<u>Chemistry</u> <ul style="list-style-type: none"> • Experimental Design • Methods of Separation and Purification • Kinetic Particle Theory • Atomic Structure • Elements, Compounds and Mixture • Chemical Bonding • Formulae and Equations • Acids and Bases • Salt Preparation • Stoichiometry and Mole Concept 	40 m	100 %
	Paper 2: Structured and Free Response Physics			65 m	
	Paper 3: Structured and Free Response Chemistry			65 m	

5078 Science (Chemistry / Biology)	Paper 1: MCQ (Q1-Q20: Chemistry Q21-40: Biology)	<u>Chemistry</u>	<u>Biology</u>	40 m	100 %
	Paper 3: Structured and Free Response Chemistry	<ul style="list-style-type: none"> • Experimental Design • Methods of Separation and Purification • Kinetic Particle Theory • Atomic Structure • Elements, Compounds and Mixture • Chemical Bonding • Formulae and Equations • Acids and Bases • Salt Preparation • Stoichiometry and Mole Concept 	<ul style="list-style-type: none"> • Cells • Movement of Substances • Nutrients • Enzymes • Nutrition in Humans • Nutrition in Plants • Transport in Humans • Transport in Plants 	65 m	
	Paper 4: Structured and Free Response Biology			65 m	