

Sec 3 Normal Academic

Subject	Paper	Topics / Skills
English Language (NA)	1	Section A - Editing; Section B - Situational Writing; Section C - Continuous Writing
	2	Section A - Visual Text; Section B - Narrative Comprehension; Section C - Non-narrative Comprehension
	3	Listening Comprehension
English Language (Exp)	1	Section A - Editing; Section B - Situational Writing; Section C - Continuous Writing
	2	Section A - Visual Text; Section B - Narrative Comprehension; Section C - Non-narrative Comprehension
	3	Listening Comprehension
MT - CL (NA)	1	试卷一：实用文/作文
	2	试卷二：语文应用与阅读理解
	3	试卷三：听力理解
	3	试卷三：朗读与会话
MT - ML (NA)	1	Karangan
	2	Bahasa
	3	Kefahaman Mendengar
MT - CL (Exp)	1	试卷一：实用文/作文
	2	试卷二：语文应用与阅读理解
	3	试卷三：听力理解
	3	试卷三：朗读与会话

MT - ML (Exp)	1	Menulis
	2	Penggunaan Bahasa dan Membaca
	3	Kefahaman Mendengar
Mathematics (NA)	1 & 2	<u>Lower Secondary Topics</u> Numbers and Operations Ratio and Proportion Percentage Rate and Speed Algebraic Fractions and Formulae Equations and Inequalities <u>Sec 3 Topics</u> 3NA C1 Algebraic Expressions and Formulae 3NA C2 Quadratic Equations and Graphs 3NA C3 Indices and Standard Form 3NA C4 Coordinate Geometry 3NA C6 Trigonometry 3NA C7 Further Trigonometry
Mathematics (Exp)	1 & 2	<u>Lower Secondary Topics</u> Numbers and Operations Ratio and Proportion Percentage Rate and Speed Algebraic Fractions and Formulae Equations and Inequalities Angles, Triangles, and Polygons Mensuration Data Handling and Analysis Probability <u>Sec 3 Topics</u> 3E C1 Quadratic and Fractional Equations 3E C2 Simultaneous Linear Inequalities 3E C3 Indices and Standard Form 3E C4 Coordinate Geometry 3E C6 Further Trigonometry 3E C7 Applications of Trigonometry 3E C8 Arc Length, Sector Area, and Radian Measure 3E C11 Geometrical Properties of Circle

Additional Mathematics (NA)	1	Chapter 1: Quadratic Functions Chapter 2: Equations and Inequalities Chapter 3: Surds Chapter 4: Polynomials and Partial Fractions Chapter 7: Coordinate Geometry Chapter 8: Circles
Social Studies	1	Section A: 1. Topic from Issue 2 2. Skills: Inference, Message, Comparison, Cross-reference, Critical analysis Section B: 1. Topic from Issue 1 2. Skills: Constructing explanations on given issue
Humanities - Geography	2	Chapter 1: Living with tectonic hazards (until risks and benefits of volcanoes --> exclude impacts of earthquakes, responses to earthquakes) Chapter 2: Variable weather and climate
Humanities - History	2	<u>Topics</u> Chapter 1: End of WW1 in Europe Chapter 2: Stalin's USSR Chapter 3: Hitler's Germany Chapter 4: Outbreak of WW2 in Europe <u>Skills</u> SBQ: Making inferences; cross referencing; analysing author's bias/intent; comparison; evaluation SEQ: Explaining cause and effect; evaluation of factors
Humanities - Literature	2	Section A Novel ; Section B Poetry <u>Topics</u> Novel: Fahrenheit 451 by Ray Bradbury Poetry: Unseen Poetry <u>Skills</u> Passage-Based Question Literary Analysis

Science - Biology (NA)	1 & 2	C2 - Cells C3 - Movement of Substances C4 - Nutrients C5 - Enzymes C6 - Nutrition in Humans C8 - Transport in Humans C10 - Respiration in Humans
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Science - Physics (NA)	1 & 2	C1 Measurement and Units C2 Kinematics C4 Mass Weight Density C7 Kinetic Model of Matter C8 Transfer of Thermal Energy C9 Thermal Properties of Matter C11 Waves C12 Electromagnetic Waves C13 Sound
Science - Physics (Ex)	1 & 2	C1 Measurement and Units C2 Kinematics C7 Kinetic Model of Matter C8 Transfer of Thermal Energy C9 Thermal Properties of Matter C10 Light C11 Waves C12 Electromagnetic Waves C13 Sound
Science - Chemistry (NA)	3 & 4	1) Atomic Structure 2) Bonding & Properties of Materials 3) Writing Ionic Formulas 4) Balancing Chemical Equations 5) Periodic Table 6) Acids & Alkalis 7) Classification of Oxides 8) Preparation of Salts

Science - Chemistry (Exp)	1 & 3	1) Kinetic Particle Theory 2) Measurements & Experimental Techniques 3) Methods of Purification & Separation 4) Atomic Structure 5) Bonding & Properties of Materials 6) Writing Ionic Formulas 7) Balancing Chemical Equations 8) Periodic Table 9) Acids & Alkalis 10) Classification of Oxides 11) Preparation of Salts
Art	2	- 3 to 5 pages of preparatory work based on chosen theme - final artwork
Nutrition and Food Science (NFS)	1	Chapter 1 - 6 (Proteins, Carbohydrates, Fats, Vitamins, Minerals, Water & Dietary Fibre) Chapter 7 - 8 (Diet & Health Problems, Diet & Meal Planning) Chapter 12 (Methods of Cooking), Chapter 13 (Reactions in Food Preparation & Cooking)
Design and Technology	1	Chapters: 1. Design Communication 2. Mechanisms 3. Electronics