



海星天主教中学

HAI SING CATHOLIC SCHOOL

15 Pasir Ris Street 21, Singapore 518969 • Tel: 6582 7864 • Fax: 6582 2543

Hai Sing Catholic School Assessment Information for End-of-Year Examination 2023		
Secondary Three Express		
s/no	SUBJECT	SKILLS/TOPICS TESTED
1	ENGLISH LANGUAGE	Paper 1 (Writing) Editing Situational Writing Continuous Writing Paper 2 (Comprehension) Paper 3 (Listening Comprehension)
2	CHINESE LANGUAGE	Paper 1 电邮 Email writing 作文 Essay writing Paper 2 语文应用 Vocabulary & Language Skills (单元 4, 5) 阅读理解 (选择题) Comprehension Passages (MCQ) 阅读理解 (开放题) Comprehension Passages (Open-ended)
3	MALAY LANGUAGE	Kertas 1 Penulisan Teks Respons (Berdasarkan Blog/SMS/Pos) Penulisan Esei (Karangan Naratif/Ekspositori) Kertas 2 Penyuntingan Tatabahasa Melengkapkan teks Kefahaman Aneka Pilihan (MCQ) Kefahaman Subjektif
4	HIGHER CHINESE	Paper 1 电邮 Email writing 作文 Essay writing Paper 2 语文应用 Vocabulary & Language Skills 阅读理解 (选择题) Comprehension Passages (MCQ) 阅读理解 (开放题) Comprehension Passages (Open-ended)
5	CHEMISTRY	Chapter 1: Experimental Chemistry Chapter 2: Kinetic Particle Theory Chapter 3: Atomic Structure Chapter 4: Chemical Bonding Chapter 5: Structure and Properties of Materials





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		Chapter 6: Chemical Formulae and Equations Chapter 7: Mole Concept and Stoichiometry Chapter 8: Acids and Bases Chapter 9: Salts Chapter 11: Qualitative Analysis
6	SCIENCE (CHEMISTRY)	Chapter 1: Experimental Chemistry Chapter 2: Kinetic Particle Theory Chapter 3: Atomic Structure Chapter 4: Chemical Bonding Chapter 5: Structure and Properties of Materials Chapter 6: Chemical Formulae and Equations Chapter 7: Mole Concept and Stoichiometry Chapter 8: Acids and Bases
7	BIOLOGY	Chapter 1: Cell Structure and Organisation Chapter 2: Movement of Substances Chapter 3: Biological Molecules Chapter 4: Enzymes Chapter 5: Nutrition in Humans Chapter 6: Transport in Humans Chapter 7: Respiration in Humans Chapter 8: Excretion in Humans Chapter 9: Homeostasis and Hormonal Control
8	SCIENCE (BIOLOGY)	Chapter 1: Cell Structure and Organisation Chapter 2: Movement of Substances Chapter 3: Biological Molecules Chapter 4: Enzymes Chapter 5: Nutrition in Humans Chapter 6: Transport in Humans Chapter 7: Respiration in Humans Chapter 9: Nutrition and Transport in Flowering Plants
9	PHYSICS	Chapter 1: Physical Quantities, Units and Measurement Chapter 2: Kinematics Chapter 3: Dynamics I: Mass and Weight Chapter 4: Dynamics II: Forces Chapter 5: Turning Effects of Forces Chapter 6: Pressure Chapter 7: Energy Chapter 11: General Wave Properties I: Introduction Chapter 12: General Wave Properties II: Sound Chapter 13: Electromagnetic Waves Chapter 14: Light
10	SCIENCE (PHYSICS)	Chapter 1: Physical Quantities, Units and Measurement Chapter 2: Kinematics





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		<p>Chapter 3: Force and Pressure</p> <p>Chapter 4: Dynamics</p> <p>Chapter 5: Turning Effect of Forces</p> <p>Chapter 6: Energy</p> <p>Chapter 9: General Wave Properties : Introduction</p> <p>Chapter 10: General Wave Properties: Sound</p> <p>Chapter 11: Electromagnetic Waves</p> <p>Chapter 12: Light</p>
11	MATHEMATICS	<p>Secondary 1 Topics</p> <p>Chapter 1: HCF and LCM</p> <p>Chapter 9: Ratio and Rate (simple interest, hire purchase)</p> <p>Secondary 2 Topics</p> <p>Chapter 1: Linear Graphs and Simultaneous Eqns</p> <p>Chapter 3: Expansion and Factorisation of Algebraic Expressions</p> <p>Chapter 4: Expansion and Factorisation of special Algebraic Identities</p> <p>Chapter 5: Quadratic Equations and Graphs</p> <p>Chapter 6: Algebraic Fractions and Formulae</p> <p>Chapter 7: Direct and Inverse Proportion</p> <p>Secondary 3 Topics</p> <p>Chapter 1: Quadratic and Fractional Equations</p> <p>Chapter 2: Simultaneous Linear Inequalities</p> <p>Chapter 3: Indices and Standard Form</p> <p>Chapter 4: Coordinate Geometry</p> <p>Chapter 5: Graphs of Functions and Graphical Solution</p> <p>Chapter 6: Further Trigonometry</p> <p>Chapter 7: Applications of Trigonometry</p> <p>Chapter 8: Arc Length, Sector Area and Radian Measure</p> <p>Chapter 9: Congruency and Similarity Tests</p> <p>Chapter 10: Area and Volume of Similar Figures and Solids</p>
12	ADDITIONAL MATHEMATICS	<p>Chapter 1: Quadratic Functions</p> <p>Chapter 2: Equations and Inequalities</p> <p>Chapter 3: Surds</p> <p>Chapter 4: Polynomials and Partial Fractions</p> <p>Chapter 5: Exponential and Logarithmic Functions</p> <p>Chapter 6: Binomial Theorem</p> <p>Chapter 7: Coordinate Geometry</p> <p>Chapter 8: Circles</p> <p>Chapter 9: Applications of Straight Line Graphs</p>
13	SOCIAL STUDIES	<p>Chapter 1: What does citizenship mean to me?</p>





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		<p>Chapter 2: What are the functions and roles of government in working for the good of society?</p> <p>Chapter 3: How do we decide what is good for society?</p> <p>Chapter 4: How can we work together for the good of society?</p> <p>Chapter 5: What are the factors that shape the identities of people and contribute to a diverse society?</p> <p>Chapter 6: What are the experiences and effects of living in a diverse society?</p> <p>Skills for Source-Based Case Study Questions</p> <ul style="list-style-type: none"> • Demonstrate and understanding of societal issue • Comprehend and extract relevant information • Draw inferences from given information • Analyse and evaluate evidence • Compare and contrast different views • Distinguish between fact, opinion and judgement • Recognise values and detect bias • Draw conclusions based on reasoned consideration of evidence and arguments. <p>Skills for Structured-Response Questions</p> <ul style="list-style-type: none"> • Analyse societal issues through different perspective • Construct reasoned arguments and make informed judgement and recommendations
14	HUMANITIES (HISTORY)	<p>Chapter 1: The Paris Peace Conference and the League of Nations in the 1920s</p> <p>Chapter 2: Authoritarian Regime - Case Study of Nazi Germany</p> <p>Chapter 3: Authoritarian Regime - Case Study of Militarist Japan</p> <p>Chapter 4: Outbreak of WWII in Europe</p> <p>Skills for Source-Based Case Study Questions</p> <ul style="list-style-type: none"> • Make inferences from given information and support with relevant evidence • Make inferences, identify purpose of given source and support with relevant evidence • Evaluate reliability of given source and support with relevant evidence and knowledge • identifying utility of given source and support with relevant evidence and knowledge • Evaluate sources and draw conclusions in context of topic in consideration. <p>Skills for Essay Questions</p> <ul style="list-style-type: none"> • Construct reasoned arguments and make informed judgement





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15	HUMANITIES (GEOGRAPHY)	<p>[Cluster 1] Topic 1: Thinking Geographically [Cluster 1] Topic 2: Sustainable Development [Cluster 1] Topic 3: Geographical Methods [Cluster 4] Topic 1: Plate Tectonics [Cluster 4] Topic 2: Earthquakes and volcanoes [Cluster 4] Topic 3: Disaster Risk Management</p>
16	HUMANITIES (LITERATURE)	<p>Students will be assessed on their ability to produce sustained, critical responses to:</p> <p>Paper 1- Prose and Unseen Poems Section A – Prose based on “The Chrysalids” by John Wyndham (1 task from a choice of 1 Passage-based question & 2 essay questions)</p> <p>Section B – Unseen Poetry 1 task from a choice of 2 Passage-based questions (one local poem and one international poem)</p>
17	GEOGRAPHY	<p>Paper 1: [Cluster 2] Topic 1: Tourism Activity [Cluster 2] Topic 2: Tourism Development [Cluster 2] Topic 3: Sustainable Tourism Development [Cluster 1] Topic 3: Geographical Methods</p> <p>Paper 2: [Cluster 1] Topic 1: Thinking Geographically [Cluster 1] Topic 2: Sustainable Development [Cluster 4] Topic 1: Plate Tectonics [Cluster 4] Topic 2: Earthquakes and volcanoes [Cluster 4] Topic 3: Disaster Risk Management</p>
18	DESIGN & TECHNOLOGY	<p>Paper 1:</p> <ul style="list-style-type: none"> Question 1 requires Design knowledge and applying these knowledge to provide Design solutions. Question 2 to Question 4 require knowledge and application of Technology (structures, mechanisms and electronics) topics. <p>Paper 2: Coursework (question paper released to students in Term 2 - May 26) Deliverable: Coursework component tested: Project Planning / Management, Needs Analysis, Idea Sketches and Developing, Mockup, Presentation Drawing and Prototype Making</p>
19	NUTRITION & FOOD SCIENCE	<p>Chapter 1: Proteins Chapter 2: Carbohydrates Chapter 3: Fats Chapter 4: Vitamins</p>





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		<p>Chapter 5: Minerals</p> <p>Chapter 6: Water and Dietary Fibre</p> <p>Chapter 7: Diet and Health Problems</p> <p>Chapter 8: Diet and Meal Planning</p> <p>Chapter 9: Meal Analysis</p> <p>Chapter 10: Sustainable Food Consumption</p> <p>Chapter 11: Preparation and Cooking of Food</p> <p>Chapter 12: Methods of Cooking</p> <p>Chapter 13: Reaction in Food During Preparation and Cooking</p> <p>Chapter 1: Proteins</p> <p>Chapter 2: Carbohydrates</p> <p>Chapter 3: Fats</p> <p>Chapter 4: Vitamins</p> <p>Chapter 5: Minerals</p> <p>Chapter 6: Water and Dietary Fibre</p> <p>Chapter 7: Diet and Health Problems</p> <p>Chapter 8: Diet and Meal Planning</p> <p>Chapter 9: Meal Analysis</p> <p>Chapter 10: Sustainable Food Consumption</p> <p>Chapter 11: Preparation and Cooking of Food</p> <p>Chapter 12: Methods of Cooking</p> <p>Chapter 13: Reaction in Food During Preparation and Cooking</p>
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Secondary Three Normal (Academic)		
s/no	SUBJECT	SKILLS/TOPICS TESTED
1	ENGLISH LANGUAGE (EXP)	Paper 1 (Writing) Editing Situational Writing Continuous Writing Paper 2 (Comprehension) Paper 3 (Listening Comprehension)
2	ENGLISH LANGUAGE (NA)	Paper 1 (Writing) Editing Situational Writing Continuous Writing Paper 2 (Comprehension) Paper 3 (Listening Comprehension)
3	CHINESE LANGUAGE (EXP)	Paper 1 电邮 Email writing 作文 Essay writing Paper 2 语文应用 Vocabulary & Language Skills (单元 4,5) 阅读理解 (选择题) Comprehension Passages (MCQ) 阅读理解 (开放题) Comprehension Passages (Open-ended)
4	CHINESE LANGUAGE (NA)	Paper 1 电邮 Email writing 作文 Essay writing Paper 2 语文应用 Vocabulary & Language Skills (单元 4) 阅读理解 (选择题) Comprehension Passages (MCQ) 阅读理解 (开放题) Comprehension Passages (Open-ended)
5	MALAY LANGUAGE (EXP)	Kertas 1 Penulisan Teks Respons (Berdasarkan Blog/SMS/Pos) Penulisan Esei (Karangan Naratif/Ekspositori) Kertas 2 Penyuntingan Tatabahasa Melengkapkan teks



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		Kefahaman Aneka Pilihan (MCQ) Kefahaman Subjektif
6	MALAY LANGUAGE (NA)	Kertas 1 Penulisan Fungsional <ul style="list-style-type: none"> • E-mel tidak rasmi • E-mel rasmi Penulisan Esei <ul style="list-style-type: none"> • Karangan berbentuk kreatif • Karangan Ekspositori Kertas 2 Tatabahasa Melengkapkan teks Kefahaman Aneka Pilihan (MCQ) Kefahaman Subjektif
7	SCIENCE (CHEMISTRY) (EXP)	Chapter 1: Experimental Chemistry Chapter 2: Kinetic Particle Theory Chapter 3: Atomic Structure Chapter 4: Chemical Bonding Chapter 5: Structure and Properties of Materials Chapter 6: Chemical Formulae and Equations Chapter 7: Mole Concept and Stoichiometry Chapter 8: Acids and Bases
8	SCIENCE (CHEMISTRY) (NA)	Chapter 1: Experimental Chemistry Chapter 2: Kinetic Particle Theory Chapter 3: Atomic Structure Chapter 4: Chemical Bonding Chapter 5: Structure and Properties of Materials Chapter 6: Chemical Formulae and Equations Chapter 7: Mole Concept and Stoichiometry Chapter 8: Acids and Bases
9	SCIENCE (PHYSICS) (EXP)	Chapter 1: Physical Quantities, Units and Measurement Chapter 2: Kinematics Chapter 3: Force and Pressure Chapter 4: Dynamics Chapter 5: Turning Effect of Forces Chapter 6: Energy Chapter 9: General Wave Properties : Introduction Chapter 10: General Wave Properties: Sound Chapter 11: Electromagnetic Waves Chapter 12: Light
10	SCIENCE (PHYSICS) (NA)	Chapter 1: Physical Quantities, Units and Measurement Chapter 2: Kinematics Chapter 3: Forces and Pressure Chapter 4: Dynamics





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		<p>Chapter 6: Energy</p> <p>Chapter 7: Kinetic Particle Model of Matter</p> <p>Chapter 8: Thermal Processes</p> <p>Chapter 9: General Wave Properties: Introduction</p> <p>Chapter 11: Electromagnetic Waves</p>
11	SCIENCE (BIOLOGY) (NA)	<p>Chapter 1: Cell Structure and Organisation</p> <p>Chapter 2: Movement of Substances</p> <p>Chapter 3: Biological Molecules</p> <p>Chapter 4: Enzymes</p> <p>Chapter 5: Nutrition in Humans</p> <p>Chapter 6: Transport in Humans</p> <p>Chapter 7: Respiration in Humans</p> <p>Chapter 9: Nutrition and Transport in Flowering Plants</p>
12	MATHEMATICS (EXP)	<p>Secondary 1 Topics</p> <p>Chapter 1: HCF and LCM</p> <p>Chapter 9: Ratio and Rate (simple interest, hire purchase)</p> <p>Secondary 2 Topics</p> <p>Chapter 1: Linear Graphs and Simultaneous Eqns</p> <p>Chapter 3: Expansion and Factorisation of Algebraic Expressions</p> <p>Chapter 4: Expansion and Factorisation of special Algebraic Identities</p> <p>Chapter 5: Quadratic Equations and Graphs</p> <p>Chapter 6: Algebraic Fractions and Formulae</p> <p>Chapter 7: Direct and Inverse Proportion</p> <p>Secondary 3 Topics</p> <p>Chapter 1: Quadratic and Fractional Equations</p> <p>Chapter 2: Simultaneous Linear Inequalities</p> <p>Chapter 3: Indices and Standard Form</p> <p>Chapter 4: Coordinate Geometry</p> <p>Chapter 5: Graphs of Functions and Graphical Solution</p> <p>Chapter 6: Further Trigonometry</p> <p>Chapter 7: Applications of Trigonometry</p> <p>Chapter 8: Arc Length, Sector Area and Radian Measure</p> <p>Chapter 9: Congruency and Similarity Tests</p> <p>Chapter 10: Area and Volume of Similar Figures and Solids</p>
13	MATHEMATICS (NA)	<p>Chapter 1: Algebraic Expressions and Formulae</p> <p>Chapter 2: Quadratic Equations and Graphs</p> <p>Chapter 3: Indices and Standard Form</p> <p>Chapter 4: Coordinate Geometry</p> <p>Chapter 5: Graphs of Functions and Graphical Solutions</p> <p>Chapter 6: Trigonometry</p> <p>Chapter 7: Further Trigonometry</p>





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		Chapter 8: Congruence and Similarity
14	ADDITIONAL MATHEMATICS (NA)	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 Chapter 10: Trigonometric Functions Chapter 11: Trigonometric Identities and Equations
15	SOCIAL STUDIES (NA)	Chapter 1: What does citizenship mean to me? Chapter 2: What are the functions and roles of government in working for the good of society? Chapter 3: How do we decide what is good for society? Chapter 4: How can we work together for the good of society? Chapter 5: What are the factors that shape the identities of people and contribute to a diverse society? Chapter 6: What are the experiences and effects of living in a diverse society? Skills for Source-Based Case Study Questions <ul style="list-style-type: none"> • Demonstrate and understanding of societal issue • Comprehend and extract relevant information • Draw inferences from given information • Analyse and evaluate evidence • Compare and contrast different views • Distinguish between fact, opinion and judgement • Recognise values and detect bias • Draw conclusions based on reasoned consideration of evidence and arguments. Skills for Structured-Response Questions <ul style="list-style-type: none"> • Analyse societal issues through different perspective • Construct reasoned arguments and make informed judgement and recommendations
16	HUMANITIES (GEOGRAPHY) (NA)	[Cluster 1] Topic 1: Thinking Geographically [Cluster 1] Topic 2: Sustainable Development [Cluster 1] Topic 3: Geographical Methods
17	HUMANITIES (HISTORY) (NA)	Chapter 1: The Paris Peace Conference and the League of Nations in the 1920s Chapter 2: Authoritarian Regime - Case Study of Nazi Germany Chapter 4: Outbreak of WWII in Europe Chapter 5: Outbreak of WWII in Asia-Pacific





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		<p>Skills for Source-Based Case Study Questions</p> <ul style="list-style-type: none"> • Make inferences from given information and support with relevant evidence • Make inferences, identify purpose of given source and support with relevant evidence • Evaluate reliability of given source and support with relevant evidence and knowledge • Making inference (content/purpose/attitude) and identifying similarities and differences in sources • Evaluate sources and draw conclusions in context of topic in consideration. <p>Skills for Essay Questions</p> <ul style="list-style-type: none"> • Construct an explanation to show the relationships between factors and effects/outcomes indicated by the question
18	PRINCIPLES OF ACCOUNTS (NA)	<p>Chapter 1: Introduction to Businesses, Stakeholders and the Role of Accounting</p> <p>Chapter 2: Accounting Information System</p> <p>Chapter 3: Elements of financial statements and the accounting equation</p> <p>Chapter 4: Double entry recording</p> <p>Chapter 5: Financial statements (with adjustments)</p> <p>Chapter 6: Revenue and Other Income</p> <p>Chapter 7: Cost of Sales and Other Expenses</p> <p>Chapter 8: Cash</p> <p>Chapter 9: Inventories</p> <p>Chapter 17: Scenario based questions</p>
19	DESIGN & TECHNOLOGY (NA)	<p>Question 1 requires knowledge application of Design.</p> <p>Question 2 and Question 3 require knowledge application of Technology, specifically mechanisms and electronics.</p>
20	NUTRITION AND FOOD SCIENCE (NA)	<p>Chapter 1: Proteins</p> <p>Chapter 2: Carbohydrates</p> <p>Chapter 3: Fats</p> <p>Chapter 4: Vitamins</p> <p>Chapter 5: Minerals</p> <p>Chapter 6: Water and Dietary Fibre</p> <p>Chapter 7: Diet and Health Problems</p> <p>Chapter 8: Diet and Meal Planning</p> <p>Chapter 9: Meal Analysis</p> <p>Chapter 10: Sustainable Food Consumption</p> <p>Chapter 11: Preparation and Cooking of Food</p> <p>Chapter 12: Methods of Cooking</p> <p>Chapter 13: Reaction in Food During Preparation and Cooking</p>





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21	ART (NA)	Art Paper 2: Drawing & Painting <ul style="list-style-type: none">• Question paper consisting of 6 themes will be given 3 weeks before the exam date.• Produce not more than 10 pages of A3 preparatory boards to illustrate the different possible interpretations, exploration and development of ideas.• These can be in the form of drawings, sketches, research information/data, reproduced images and written notes.
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Secondary Three Normal (Technical)		
s/no	SUBJECT	SKILLS/TOPICS TESTED
1	ENGLISH LANGUAGE (NA)	Paper 1 (Writing) Editing Situational Writing Continuous Writing Paper 2 (Comprehension) Paper 3 (Listening Comprehension)
2	ENGLISH LANGUAGE (NT)	Paper 1 (Writing) Editing Situational Writing Continuous Writing Paper 2 (Language Use and Comprehension) Paper 3 (Listening Comprehension)
3	CHINESE LANGUAGE (NA)	Paper 1 电邮 Email writing 作文 Essay writing Paper 2 语文应用 Vocabularies & Language Skills (单元 4) 阅读理解 (选择题) Comprehension Passages (MCQ) 阅读理解 (开放题) Comprehension Passages (Open-ended)
4	BASIC CHINESE LANGUAGE (NT)	Paper 1 语文应用 Vocabularies & Language Skills (单元 5,6) 阅读理解 (选择题) Comprehension Passages (MCQ) 阅读理解 (开放题) Comprehension Passage (Open-ended) Paper 3 听力理解 Listening Comprehension
5	MALAY LANGUAGE (NA)	Kertas 1 Penulisan Fungsional • E-mel tidak rasmi • E-mel rasmi Penulisan Esei • Karangan berbentuk kreatif • Karangan Ekspositori Kertas 2 Tatabahasa





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		Melengkapkan teks Kefahaman Aneka Pilihan (MCQ) Kefahaman Subjektif
6	BASIC MALAY LANGUAGE (NT)	Kertas 1 Melengkapkan teks (MCQ) Kefahaman Aneka Pilihan (MCQ) Kefahaman Aneka Pilihan (MCQ) & Respons bebas Kertas 3 Kefahaman Mendengar
7	SCIENCE (CHEMISTRY) (NA)	Chapter 1: Experimental Chemistry Chapter 2: Kinetic Particle Theory Chapter 3: Atomic Structure Chapter 4: Chemical Bonding Chapter 5: Structure and Properties of Materials Chapter 6: Chemical Formulae and Equations Chapter 7: Mole Concept and Stoichiometry Chapter 8: Acids and Bases
8	SCIENCE (PHYSICS) (NA)	Chapter 1: Physical Quantities, Units and Measurement Chapter 2: Kinematics Chapter 3: Forces and Pressure Chapter 4: Dynamics Chapter 6: Energy Chapter 7: Kinetic Particle Model of Matter Chapter 8: Thermal Processes Chapter 9: General Wave Properties: Introduction Chapter 11: Electromagnetic Waves
9	SCIENCE (NT)	Chapter 1: Energy Chapter 2: Electricity Chapter 3: Wave Chapter 4: Effects of Force Chapter 5: Sources of Food Chapter 6: Food Chemistry
10	MATHEMATICS (NA)	Chapter 1: Algebraic Expressions and Formulae Chapter 2: Quadratic Equations and Graphs Chapter 3: Indices and Standard Form Chapter 4: Coordinate Geometry Chapter 5: Graphs of Functions and Graphical Solutions Chapter 6: Trigonometry Chapter 7: Further Trigonometry Chapter 8: Congruence and Similarity
11	MATHEMATICS (NT)	Secondary 1 Topics Chapter 2: Four Operations Chapter 3: Ratio Chapter 4: Percentage





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		<p>Chapter 6: Angles Chapter 8: Symmetry Chapter 9: Area and Perimeter</p> <p>Secondary 2 Topics Chapter 1: Triangles and Quadrilaterals (Construction) Chapter 3: Linear Equations in One Variable Chapter 5: Proportion Chapter 6: Rate and Speed Chapter 7: Mathematics in Practical Situations Chapter 8: Congruence and Similarity Chapter 9: Pythagoras' Theorem Chapter 10: Data Analysis Chapter 11: Probability Chapter 12: Prisms and Cylinders</p> <p>Secondary 3 Topics Chapter 1: Indices and Standard Form Chapter 2: Map Scales Chapter 3: Algebraic Expansion, Fractions and Expression for the n^{th} Term of a Number Sequence Chapter 4: Factorisation and Formulas Chapter 5: Arc Lengths and Sector Areas Chapter 6: Pyramids, Cones and Spheres Chapter 7: Cumulative Frequency Chapter 8: Graphs of Linear Equations Chapter 9: Simultaneous Linear Equations</p>
12	COMPUTER APPLICATIONS	<p>Paper 1 (Theory) Chapter 1: Computer Fundamentals (CPF) Chapter 2: Media Elements (MEL) Chapter 3: Document Processing (DOP) Chapter 4: Spreadsheets (SST) Chapter 5: Interactive Multimedia Communication (IMC) Chapter 6: Animation and Game Making (AGM)</p> <p>Paper 2 (Practical) 1 Media Elements (MEL) 2 Document Processing (DOP) 3 Interactive Multimedia Communication (IMC)</p> <p>Paper 3 (Practical) 1 Media Elements (MEL) 2 Spreadsheets (SST) 3 Animation and Game Making (AGM)</p>





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13	ELEMENTS OF BUSINESS SKILLS	<p>Chapter 1: Introduction to Business</p> <p>Chapter 2: Businesses In the Travel and Tourism, Hospitality and Retail Industries</p> <p>Chapter 3: Introduction to Marketing</p> <p>Chapter 4: The Marketing Mix</p> <p>Chapter 5: Communication with the Customer</p>
14	MUSIC	<p>Paper 1 (Written)</p> <p>Pop & Rock</p> <p>Western Classical</p> <p>Music for Film & Television</p> <p>R&B</p> <p>Electronic Dance Remix</p> <p>Music from local cultures</p> <p>Paper 2 (Coursework)</p> <p>To create by producing the chorus of a song, which should consist of the following parts:</p> <ul style="list-style-type: none"> • melody • harmony • bass line • drum part <p>One of the parts will be played live (live recording day in Term 4 Week 2) and recorded into garageband as an audio or MIDI track, while the rest may be sequenced (recorded during music lessons)</p>
15	ART (NT)	<p>Paper 1: Art Task</p> <ul style="list-style-type: none"> • Question paper with the context of the Art Task will be given 5 weeks before the exam date. • Produce not more than 5 pages of A3 preparatory boards to document key visual stimuli which informed their investigation, exploration and development of ideas shaping their solution. • These can be in the form of drawings, sketches, photographs, investigation information/data, reproduced images and brief annotations.

