



# Orchid Park Secondary School

Sec 2 Exp/N(A)  
Subject Information for Streaming

January 2022

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## §1 Outline of Streaming Process for Sec 2 2022

1	Online interest survey for students	Mid-May
2	Streaming briefing for students	End of October
3	Online submission of choices	End of October
4	Processing of choices	End of October
5	Release of streaming results	Early November
6	Appeals	Mid-November
7	Release of appeal results	End of November
8	Release of Sec 3 class lists	End of December

## §2 A note on “How-to-Decide”

Students are advised to choose their subject combinations in consultation with their parents/ guardians.

Choices made are to be based on students' strengths, interests, passions and post-secondary aspirations. The subject combinations opted must equip them with the confidence and belief to progress to advanced levels after OPSS.

The allocation of subjects is carried out based on the following:

- ❖ students' choice(s)
- ❖ students' overall academic performance at Secondary 2
- ❖ criteria for certain subjects
- ❖ teachers' inputs and recommendations
- ❖ available resources.

## §3 Tentative Sec 3 Subject Combinations offered in 2023

### Sec 3 Express

Subj 1	Subj 2	Subj 3	Subj 4	Subj 5	Subj 6	Subj 7	Subj 8
English Language	Mother Tongue Language	Humanities SS/Geo <i>or</i> SS/Hist <i>or</i> SS/Lit in EL	Elementary Mathematics	Chemistry <i>or</i> Science (Chem/Phy) <i>or</i> Science (Chem/Bio)	Additional Mathematics <i>or</i> Principles of Accounts	Biology <i>or</i> Physics <i>or</i> Art <i>or</i> Geography <i>or</i> Design and Technology <i>or</i> Nutrition and Food Science	Physics <i>or</i> Art <i>or</i> Geography [for students who do are not offering these subjects as a 7 <sup>th</sup> subject]

**Sec 3 Normal (Academic)**

<b>Subj 1</b>	<b>Subj 2</b>	<b>Subj 3</b>	<b>Subj 4</b>	<b>Subj 5</b>	<b>Subj 6</b>
*English Language	*Mother Tongue Language	Humanities SS/Geo <i>or</i> SS/Hist	*Mathematics	*Science (Chem/Phy) <i>or</i> *Science (Chem/Bio)	Additional Mathematics <i>or</i> Art <i>or</i> Design and Technology <i>or</i> Nutrition and Food Science <i>or</i> Principles of Accounts

\* Subject is offered at either NA-level or at O-level

## **§4 Subject information**

The following information on the respective subjects offered at Upper Secondary is extracted from the O-/N(A)-Level syllabi published at: <http://www.seab.gov.sg> and is accurate as of January 2022.

## §4.1 English Language

### 1184 ENGLISH LANGUAGE GCE ORDINARY LEVEL SYLLABUS

#### SCHEME OF ASSESSMENT

Paper	Description	Marks	Weighting (%)	Duration
<b>1</b>	<b>Writing</b> <u>Section A: Editing</u> Candidates identify and edit grammatical errors in a short written text.  <u>Section B: Situational Writing</u> Candidates write 250–350 words on a given situation which will involve viewing a visual text.  <u>Section C: Continuous Writing</u> Candidates write 350–500 words on one of four topics set.	<b>70</b>  (10)  (30)  (30)	<b>35</b>	<b>1 hour 50 minutes</b>
<b>2</b>	<b>Comprehension</b>  <u>Section A</u> Candidates respond to questions based on Texts 1 and 2, one of which is a visual text.  <u>Section B</u> Candidates respond to a variety of questions based on Text 3 which is a narrative or a recount.  <u>Section C</u> Candidates respond to a variety of questions based on Text 4, a non-narrative text, and write an 80-word response to a summary writing task.	<b>50</b>  (5)  (20)  (25)	<b>35</b>	<b>1 hour 50 minutes</b>
<b>3</b>	<b>Listening</b>  <u>Section A</u> Candidates respond to a variety of listening tasks based on a number of audio recordings which the candidates will hear twice.  <u>Section B</u> Candidates listen to an audio recording and do a simple note-taking exercise. Candidates will hear the recording only once.	<b>30</b>  (22)  (8)	<b>10</b>	<b>About 45 minutes</b>

<p><b>4</b></p>	<p><b>Oral Communication</b></p> <p>The two parts in this paper may be thematically linked.</p> <p><u>Part 1: Planned Response</u> Candidates plan and deliver a response to a video clip and accompanying prompt presented on a computer screen.</p> <p><u>Part 2: Spoken Interaction</u> Candidates engage in a discussion with the Examiners on a topic based on the same video clip.</p>	<p><b>30</b></p> <p>(15)</p> <p>(15)</p>	<p><b>20</b></p>	<p><b>About 20 minutes</b> (including 10 minutes of preparation time)</p>
	<p style="text-align: right;"><b>Total</b></p>	<p><b>180</b></p>	<p><b>100</b></p>	



# 1190 ENGLISH LANGUAGE SYLLABUS A GCE NORMAL (ACADEMIC) LEVEL SYLLABUS

## SCHEME OF ASSESSMENT

Paper	Description	Marks	Weighting (%)	Duration
<b>1</b>	<p><b>Writing</b></p> <p><u>Section A: Editing</u> Candidates identify and edit grammatical errors in a short written text.</p> <p><u>Section B: Situational Writing</u> Candidates write 180–250 words on a given situation which will involve viewing a visual text.</p> <p><u>Section C: Continuous Writing</u> Candidates write 250–400 words on one of four topics set.</p>	<p><b>70</b></p> <p>(10)</p> <p>(30)</p> <p>(30)</p>	<b>35</b>	<b>1 hour 50 minutes</b>
<b>2</b>	<p><b>Comprehension</b></p> <p><u>Section A</u> Candidates respond to questions based on Texts 1 and 2, one of which is a visual text.</p> <p><u>Section B</u> Candidates respond to a variety of questions based on Text 3 which is a narrative or a recount.</p> <p><u>Section C</u> Candidates respond to a variety of questions based on Text 4, a non-narrative text, and write an 80-word response to a summary writing task.</p>	<p><b>50</b></p> <p>(5)</p> <p>(20)</p> <p>(25)</p>	<b>35</b>	<b>1 hour 50 minutes</b>
<b>3</b>	<p><b>Listening</b></p> <p><u>Section A</u> Candidates respond to a variety of listening tasks based on a number of audio recordings which the candidates will hear twice.</p> <p><u>Section B</u> Candidates listen to an audio recording and do a simple note-taking exercise. Candidates will hear the recording only once.</p>	<p><b>30</b></p> <p>(22)</p> <p>(8)</p>	<b>10</b>	<b>About 45 minutes</b>

<p><b>4</b></p>	<p><b>Oral Communication</b>  The two parts in this paper may be thematically linked.</p> <p><u>Part 1: Planned Response</u>  Candidates plan and deliver a response to a video clip and accompanying prompt presented on a computer screen.</p> <p><u>Part 2: Spoken Interaction</u>  Candidates engage in a discussion with the Examiners on a topic based on the same video clip.</p>	<p><b>30</b></p> <p>(15)</p> <p>(15)</p>	<p><b>20</b></p>	<p><b>About 20 minutes</b>  (including 10 minutes of preparation time)</p>
	<p><b>Total</b></p>	<p><b>180</b></p>	<p><b>100</b></p>	

## §4.2 Mother Tongue Languages

### §4.2.1 Chinese Language

The assessment details for the new syllabus of O-level Chinese Language (CL), N(A)-level Chinese Language (NA CL) and O-level Higher Chinese Language (HCL) that will be taken by the students are currently not available. Once available, the information will be shared with students and parents at the earliest opportunity.

While the details are not available, students should note that they will be tested on the following broad areas:

#### **Scheme of assessment – O-level Chinese Language (CL) and N(A)-level Chinese Language (NA CL) Scheme of Assessment**

试卷	试卷格式
试卷一	<ul style="list-style-type: none"><li>• 写作：实用文、作文</li></ul>
试卷二	<ul style="list-style-type: none"><li>• 语文理解与运用：综合填空、阅读理解一（多项选择）、阅读理解二（自由作答）</li></ul>
试卷三	<ul style="list-style-type: none"><li>• 口试：朗读短文（电子版）、会话 看录像短片，然后跟主考员进行对话</li><li>• 听力理解</li></ul>

#### **Scheme of assessment – O-level Higher Chinese Language (HCL) Scheme of Assessment**

试卷	试卷格式
试卷一	<ul style="list-style-type: none"><li>• 写作：实用文、作文</li></ul>
试卷二	<ul style="list-style-type: none"><li>• 语文理解与应用：语文应用、阅读理解、片段缩写</li></ul>
试卷三	<ul style="list-style-type: none"><li>• 口试：口头报告、讨论</li></ul>

## **§4.2.2 Malay Language**

The assessment details for the new syllabus of O-level Malay Language (ML), N(A)-level Malay Language (NA ML) and O-level Higher Malay Language (HML) that will be taken by the students are currently not available. Once available, the information will be shared with students and parents at the earliest opportunity.

While the details are not available, students should note that they will be tested on the following broad areas:

**Scheme of assessment – O-level Malay Language (ML) and N(A)-level Malay Language (NA ML) Scheme of Assessment**

<b>Kertas</b>	<b>Komponen</b>
1	Penulisan : Penulisan Teks Respons & Penulisan Esei
2	Penggunaan Bahasa dan Pemahaman Membaca
3	Mendengar dan Bertutur : Bacaan Lantang, Interaksi Lisan dan Kefahaman Mendengar

**Scheme of assessment – O-level Higher Malay Language (HML) Scheme of Assessment**

<b>Kertas</b>	<b>Komponen</b>
1	Penulisan : Penulisan Teks Respons & Penulisan Esei
2	Penggunaan Bahasa dan Pemahaman Membaca
3	Mendengar dan Bertutur : Mendengar (dengan melihat), Bertutur Interaksi Lisan

## §4.3 Mathematics

### §4.3.1 Mathematics

#### Mathematics (O-level) Scheme of Assessment

Paper	Description	Duration	Marks	Weighting
1	Approximately 25 short questions. All questions are to be answered.	2 hours	80	50%
2	10 to 11 questions of varying marks and lengths. The last question will focus specifically on applying mathematics to a real-world scenario. All questions are to be answered.	2h 30min	100	50%

#### Mathematics Syllabus (O-level)

Number & Algebra		Geometry & Measurement	
N1	Numbers and their operations	G1	Angles, triangles and polygons
N2	Ratio and proportion	G2	Congruence and similarity
N3	Percentage	G3	Properties of circles
N4	Rate and speed	G4	Pythagoras' theorem and trigonometry
N5	Algebraic expressions and formulae	G5	Mensuration
N6	Functions and graphs	G6	Coordinate geometry
N7	Equations and inequalities	G7	Vectors in two dimensions
N8	Set language and notation	G8	Problems in real-world contexts
N9	Matrices		
N10	Problems in real-world contexts		
		Statistics & Probability	
		S1	Data analysis
		S2	Probability

#### Additional Information

Mathematics is a compulsory subject to be offered at GCE O-Level Examination with the following requisite grades for admission to post-secondary institutions:

- Junior Colleges (JC) / Millennia Institute (MI) Admission - At least a D7 in Mathematics
- Polytechnic Admission - At least a C6 for most courses
- ITE Admission for *Higher Nitec* Courses - At least a D7 for most courses

### Mathematics (N(A)-level) Scheme of Assessment

Paper	Description	Duration	Marks	Weighting
1	Approximately 25 short questions. All questions are to be answered.	2 hours	80	50%
2	<p><u>Section A</u> 9 to 10 questions of varying lengths. The last question will focus specifically on applying mathematics to a real-world scenario. All questions are to be answered.</p> <p><u>Section B</u> Choose 1 out of 2 questions: 1 question will be from Geometry &amp; Measurement strand and 1 question will be from the Statistics &amp; Probability strand.</p>	2 hours	60	50%

### Mathematics Syllabus A (N(A)-level)

Number & Algebra		Geometry & Measurement	
N1	Numbers and their operations	G1	Angles, triangles and polygons
N2	Ratio and proportion	G2	Congruence and similarity
N3	Percentage	G3	Properties of circles
N4	Rate and speed	G4	Pythagoras' theorem and trigonometry
N5	Algebraic expressions and formulae	G5	Mensuration
N6	Functions and graphs	G6	Coordinate geometry
N7	Equations and inequalities	G7	Problems in real-world contexts
N8	Problems in real-world contexts		
		Statistics & Probability	
		S1	Data analysis
		S2	Probability

### §4.3.2 Additional Mathematics

#### Additional Mathematics (O-level) Scheme of Assessment

Paper	Description	Duration	Marks	Weighting
1	12 to 14 questions of varying marks and lengths, up to 10 marks per question. All questions are to be answered.	2h 15 min	90	50%
2	9 to 11 questions of varying marks and lengths, up to 12 marks per question. All questions are to be answered.	2h 15min	90	50%

#### Additional Mathematics (O-level) Syllabus

Algebra	Geometry & Trigonometry
A1 Quadratic Functions A2 Equations and inequalities A3 Surds A4 Polynomials and partial fractions A5 Binomial expansions A6 Exponential and logarithmic functions	G1 Trigonometric functions, identities and equations G2 Coordinate geometry in two dimensions G3 Proofs in plane geometry
	<b>Calculus</b>
	C1 Differentiation and integration

#### Additional Information

*For admission to JC / MI*

Additional Mathematics is **not** a compulsory subject to be included in the computation of L1R5.

A student does **not** need to offer Additional Mathematics to take up Mathematics at the **H1 level**.

A student who wishes to offer Mathematics at the **H2 level** should have taken Additional Mathematics.

*For admission to Polytechnic*

The offer of Additional Mathematics is **not** compulsory as the offer of Mathematics but will provide a foundation in Mathematics-related courses.

### Additional Mathematics (N(A)-level) Scheme of Assessment

Paper	Description	Duration	Marks	Weighting
1	13 to 15 questions of varying marks and lengths. All questions are to be answered.	1 h 45 min	70	50%
2	8 to 10 questions of varying marks and lengths. All questions are to be answered.	1 h 45 min	70	50%

### Additional Mathematics (N(A)-level) Syllabus

Algebra		Geometry & Trigonometry	
A1	Quadratic Functions	G1	Trigonometric functions, identities and equations
A2	Equations and inequalities	G2	Coordinate geometry in two dimensions
A3	Surds		
A4	Polynomials and partial fractions		
		<b>Calculus</b>	
		C1	Differentiation and integration

### Additional Information

This syllabus caters to the mathematically able students in the N(A) course and intends to provide an appropriate foundation in GCE O-Level Additional Mathematics for students moving on to Sec 5N(A).

Students offering this subject are encouraged to take GCE O-Level Mathematics at the end of Sec 4 N(A).



## **§4.4 Sciences**

### **§4.4.1 Chemistry**

#### **Chemistry Scheme of Assessment**

<b>Paper</b>	<b>Type of Paper</b>	<b>Duration</b>	<b>Marks</b>	<b>Weighting</b>
1	Multiple Choice	1h	40	30%
2	Structured and Free Response	1h 45min	80	50%
3	Practical	1h 50min	40	20%

#### **Chemistry Content Structure**

<b>Section</b>	<b>Topics</b>
I. Experimental Chemistry	1. Experimental Chemistry
II. Atomic Structure and Stoichiometry	2. The Particulate Nature of Matter 3. Formulae, Stoichiometry and the Mole Concept
III. Chemistry of Reactions	4. Electrolysis 5. Energy, from Chemicals 6. Chemical Reactions 7. Acids, Bases and Salts
IV. Periodicity	8. The Periodic Table 9. Metals
V. Atmosphere	10. Air
VI. Organic Chemistry	11. Organic Chemistry

## §4.4.2 Physics

### Physics Scheme of Assessment

Paper	Type of Paper	Duration	Marks	Weighting
1	Multiple Choice	1h	40	30%
2	Structured and Free Response	1h 45 min	80	50%
3	Practical	1h 50min	40	20%

### Physics Content Structure

Section	Topics
I. Measurements	1. Physical Quantities, Units and Measurement
II. Newtonian Mechanics	2. Kinematics 3. Dynamics 4. Mass, Weight and Density 5. Turning Effect of Forces 6. Pressure 7. Energy, Work and Power
III. Thermal Physics	8. Kinetic Model of Matter 9. Transfer of Thermal Energy 10. Temperature 11. Thermal Properties of Matter
IV. Waves	12. General Wave Properties 13. Light 14. Electromagnetic Spectrum 15. Sound
V. Electricity and Magnetism	16. Static Electricity 17. Current Electricity 18. D.C. Circuits 19. Practical Electricity 20. Magnetism 21. Electromagnetism 22. Electromagnetic Induction

### §4.4.3 Biology

#### Biology Scheme of Assessment

Paper	Type of Paper	Duration	Marks	Weighting
1	Multiple Choice	1h	40	30%
2	Structured and Free Response	1h 45min	80	50%
3	Practical	1h 50min	40	20%

#### Biology Content Structure

Themes	Topics
I. Principles of Biology	1. Cell Structure and Organisation 2. Movement of Substances 3. Biological Molecules
II. Maintenance and Regulation of Life Processes	4. Nutrition in Humans 5. Nutrition in Plants 6. Transport in Flowering Plants 7. Transport in Humans 8. Respiration in Humans 9. Excretion in Humans 10. Homeostasis 11. Co-ordination and Response in Humans
III. Continuity of Life	12. Reproduction 13. Cell Division 14. Molecular Genetics 15. Inheritance
IV. Man and his Environment	16. Organisms and their Environment

#### **§4.4.4 Combined Science**

##### **O-level Combined Science (Physics/Chemistry) Scheme of Assessment**

<b>Paper</b>	<b>Type of Paper</b>	<b>Duration</b>	<b>Marks</b>	<b>Weighting</b>
1	Multiple Choice	1 h	40	20.0%
2 Science (Physics)	Structured and Free Response	1h 15min	65	32.5%
3 Science (Chemistry)	Structured and Free Response	1 h 15min	65	32.5%
5	Practical Test	1h 30min	30	15.0%

##### **O-level Combined Science (Biology/Chemistry) Scheme of Assessment**

<b>Paper</b>	<b>Type of Paper</b>	<b>Duration</b>	<b>Marks</b>	<b>Weighting</b>
1	Multiple Choice	1 h	40	20.0%
3 Science (Chemistry)	Structured and Free Response	1h 15min	65	32.5%
4 Science (Biology)	Structured and Free Response	1h 15min	65	32.5%
5	Practical Test	1h 30min	30	15.0%

**N(A)-level Combined Science (Physics/Chemistry) Scheme of Assessment**

<b>Paper</b>	<b>Type of Paper</b>	<b>Duration</b>	<b>Marks</b>	<b>Weighting</b>
1	Multiple Choice (Physics)	1h 15min	20	20%
2	Structured (Physics)		30	30%
3	Multiple Choice (Chemistry)	1h 15min	20	20%
4	Structured (Chemistry)		30	30%

**N(A)-level Combined Science (Biology/Chemistry) Scheme of Assessment**

<b>Paper</b>	<b>Type of Paper</b>	<b>Duration</b>	<b>Marks</b>	<b>Weighting</b>
3	Multiple Choice (Chemistry)	1h 15min	20	20%
4	Structured (Chemistry)		30	30%
5	Multiple Choice (Biology)	1h 15min	20	20%
6	Structured (Biology)		30	30%

## Science (Chemistry) Content Structure

Section	Topics
I. Experimental Chemistry	1. Experimental Chemistry
II. Atomic Structure and Stoichiometry	2. The Particulate Nature of Matter 3. Formulae, Stoichiometry and the Mole Concept
III. Chemistry of Reactions	4. Energy Changes* 5. Chemical Reactions* 6. Acids, Bases and Salts
IV. Periodicity	7. The Periodic Table 8. Metals
V. Atmosphere	9. Air
VI. Organic Chemistry	10. Organic Chemistry

\*denotes not examined at N(A)-level

## Science (Physics) Content Structure

Section	Topics
I. Measurement	1. Physical Quantities, Units and Measurement
II. Newtonian Mechanics	2. Kinematics 3. Dynamics 4. Mass, Weight and Density 5. Turning Effect of Forces 6. Pressure 7. Energy, Work and Power
III. Thermal Physics	8. Kinetic Model of Matter 9. Transfer of Thermal Energy 10. Thermal Properties of Matter
IV. Waves	11. General Wave Properties 12. Light* 13. Electromagnetic Spectrum 14. Sound

V. Electricity and Magnetism	15. Static Electricity* 16. Current Electricity 17. D.C. Circuits 18. Practical Electricity 19. Magnetism and Electromagnetism*
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\*denotes not examined at N(A)-level

### Science (Biology) Content Structure

Themes	Topics
I. Principles of Biology	1. Cell Structure and Organisation 2. Movement of Substances 3. Biological Molecules
II. Maintenance and Regulation of Life Processes	4. Nutrition in Humans 5. Nutrition in Plants 6. Transport in Flowering Plants 7. Transport in Humans 8. Respiration in Humans 9. Co-ordination and Response in Humans*
III. Continuity of Life	10. Reproduction 11. Molecular Genetics* 12. Inheritance*
IV. Man and his Environment	13. Organisms and their Environment*

\*denotes not examined at N(A)-level

## **§4.5 Humanities**

### **§4.5.1 Humanities (SS, Geography)/ (SS, History)/ (SS, Literature in English)**

The assessment and syllabus details for the new 2023 syllabuses are currently not available. Once available, the information will be shared at the earliest opportunity. The information on Pages 23, 24, 25 & 27 are based on the current syllabuses.

The Humanities subject is a compulsory subject for the GCE O-level and N(A)-Level Examinations. The subject has two components: a compulsory Social Studies component and an elective component of Geography *or* History *or* Literature in English.

#### **Humanities Scheme of Assessment**

<b>Paper</b>	<b>Format of Paper</b>	<b>Duration</b>	<b>Weighting</b>
Social Studies	Section A : 1 Source-based Question (35%) Section B : 1 Structured Response Question (15%)	1h 45m	50 %
Geography elective	Section A : Structured Question on Geographical Investigations (13%) Section B : Structured Question (12%) Section C : Structured Question (25%)	1h 40m	50 %
History elective	Section A : Source-Based Questions (30%) Section B : Structured Essay Questions (20%)	1h 40m	50 %
Literature in English elective	Section A : Prose (25%) Section B : Unseen Poetry (25%)	1h 40m	50 %



#### §4.5.1.1 Social Studies Syllabus

Issue	Guiding Questions
Exploring Citizenship & Governance	<ul style="list-style-type: none"><li>● What does it mean for me to be a citizen of my country?</li><li>● How do we decide on what is good for society?</li><li>● How can we work for the good of society?</li></ul>
Living in a Diverse Society	<ul style="list-style-type: none"><li>● What is diversity?</li><li>● Why is there great diversity in Singapore now?</li><li>● What are the experiences and effects of living in a diverse society?</li><li>● How can we respond in a diverse society?</li></ul>
Being Part of a Globalised World	<ul style="list-style-type: none"><li>● What does it mean to live in a globalised world?</li><li>● How do we respond to tensions arising from some economic impacts of globalisation?</li><li>● How do we respond to tensions arising from some cultural impacts of globalisation? (For O-Level only)</li><li>● How do we respond to tensions arising from some security impacts of globalisation? (For O-Level only)</li></ul>

### §4.5.1.2 Geography Elective Syllabus

Topics
1. <u>Theme 1: Our Dynamic Planet (Physical Geography)</u> (1) Living with Tectonic Hazards – Risk or opportunity? (2) Variable Weather and Changing Climate – A continuing challenge?
2. <u>Theme 2: Our Changing World (Human Geography)</u> (3) Global Tourism – Is tourism the way to go? (4) Food Resources – Is technology a panacea for food shortage? (For O-Level only)
3. <u>Geographical Skills and Investigations</u> (5) Topographical Map Reading Skills (6) Geographical Data & Techniques (7) Geographical Investigations

### §4.5.1.3 History Elective Syllabus

Units	Content
The World in Crisis	<i>What forces and developments changed Europe and the Asia-Pacific in the first half of the 20<sup>th</sup> century?</i> <ul style="list-style-type: none"> <li>● Impact of World War 1</li> <li>● Rise of authoritarian regimes and its impact in the inter-war years</li> <li>● World War 2 in Europe and the Asia-Pacific</li> </ul>
Bi-Polarity and the Cold War	<i>How did the Cold War impact the world order in the post-1945 years?</i> <ul style="list-style-type: none"> <li>● Cold war and the bi-polar world order</li> <li>● Manifestation of Cold War outside Europe</li> <li>● Reasons for the end of the Cold War</li> </ul>

#### §4.5.1.4 Literature in English Elective Syllabus

Paper 2	Duration and Weighting	Details of Paper and Sections
<b>Prose and Unseen Poetry</b>	1 hour 40 minutes [50%]	<ul style="list-style-type: none"><li>• There will be two sections in this paper.</li><li>• Candidates will select one question from each of the two sections.</li><li>• In total, candidates will answer two questions.</li><li>• Each question is 25% of the total weighting.</li></ul> <p><u>Section A: Prose [25%]</u></p> <ul style="list-style-type: none"><li>• For each of the six set texts in this section, one passage-based question and two essay questions will be set.</li><li>• Candidates will answer one question [25%] based on the set text.</li><li>• For every year of examination, one or two Singapore texts will be set.</li></ul> <p><u>Section B: Unseen Poetry [25%]</u></p> <ul style="list-style-type: none"><li>• There are no set texts in this section.</li><li>• There will be a choice of two unseen poems with one question set on each poem.</li><li>• Candidates will answer one of the two questions [25%].</li><li>• For every year of examination, one question will be set on a Singapore text.</li></ul>

## **§4.5.2 Full Geography (O Level)**

\* Note: Students should not offer Full Geography with Humanities (Social Studies, Geography)

### **Scheme of Assessment**

<b>Paper</b>	<b>Format of Paper</b>	<b>Duration</b>	<b>Weighting</b>
Full Geog Paper 1	<u>Section A :</u> Structured Question on Geographical Investigations (25%)  <u>Section B :</u> Structured Question (25%)	1h 40m	50%
Full Geog Paper 2	<u>Section A :</u> Structured Question (25%)  <u>Section B :</u> Structured Question (25%)	1h 30m	50%

### **Syllabus**

<b>Topics</b>
1. <u>Theme 1: Our Dynamic Planet (Physical Geography)</u> (1) Coasts – Should coastal environments matter? (2) Living with Tectonic Hazards – Risk or opportunity? (3) Variable Weather and Changing Climate – A continuing challenge?
2. <u>Theme 2: Our Changing World (Human Geography)</u> (4) Global Tourism – Is tourism the way to go? (5) Food Resources – Is technology a panacea for food shortage? (6) Health and Diseases – Are we more vulnerable than before?
3. <u>Geographical Skills and Investigations</u> (7) Topographical Map Reading Skills (8) Geographical Data & Techniques (9) Geographical Investigations

## §4.6 Craft & Tech

### §4.6.1 Design & Technology

#### Scheme of Assessment (O and NA-level)

##### A Knowledge with understanding

- Demonstrate ability to apply knowledge in design and technology through designing and prototyping.
- Demonstrate understanding of the nature of the design process.
- Manage project and ensure completion within the given time frame.

##### B Design Thinking Skills

- Detect, frame and understand everyday needs for design opportunities.
- Generate tentative ideas through inquiry leading to the proposed design solution.
- Analyse and synthesise relevant knowledge and information (in the areas of user, functionality, technology, aesthetics, economics, culture and environment) for informed decision making.

##### C Design Manipulating Skills

- Sketch to work towards the proposed design solution.
- Build mock-ups to explore and/or test ideas for decision making
- Work with appropriate technology for prototyping towards the proposed design solution.

#### O-Level

Paper	Type of Paper	Format of Paper	Weighting
1	<p><b>Paper 1</b></p> <p>Written Paper</p> <p>Duration: 2 hour</p> <p>(80 marks)</p>	<p><b>Section A</b> (26 marks)</p> <p>One case-based design question set mainly on Design content section</p> <p><b>Section B</b> (54 marks)</p> <p>Three design application questions relating to structures, mechanisms and electronics from the Technology content section; one question from each area.</p>	40%
2	<p><b>Paper 2</b></p> <p>Design Project</p> <p>Duration: 22 weeks</p> <p>(60 marks)</p>	<p>Individual coursework based examination.</p> <p>Candidates are required to work on a design and prototyping project with the following expectations:</p> <ul style="list-style-type: none"> <li>• Use of time-stages plan such as a Gantt chart and sub-plans for advancing the project.</li> <li>• Use of information and images, doodles/sketches/drawings rendered where appropriate, notes and annotations, calculations, etc. for identifying design opportunity leading to the formulation of the design brief and design specifications, initiating a suitable design idea, and developing the design idea into a working prototype to arrive at a proposed design solution.</li> </ul>	60%

**N-Level**

<b>Paper</b>	<b>Type of Paper</b>	<b>Format of Paper</b>	<b>Weighting</b>
1	<b>Paper 1</b> Written Paper  Duration: 1.5 hour  (60 marks)	<b>Section A</b> (24 marks) One case-based design question set mainly on Design content section  <b>Section B</b> (36 marks) Two design application questions relating to mechanisms and electronics from the Technology content section; one question from each area.	40%
2	<b>Paper 2</b> Design Project  Duration: 20 weeks  (60 marks)	Individual coursework based examination. Candidates are required to work on a design and prototyping project with the following expectations: <ul style="list-style-type: none"><li>● Use of time-stages plan such as a Gantt chart and sub-plans for advancing the project.</li><li>● Use of information and images, doodles/sketches/drawings rendered where appropriate, notes and annotations, calculations, etc. for identifying design opportunity leading to the formulation of the design brief and design specifications, initiating a suitable design idea, and developing the design idea into a working prototype to arrive at a proposed design solution.</li></ul>	60%

## **§4.6.2 Nutrition & Food Science**

### **O-Level Scheme of Assessment**

<b>Paper</b>	<b>Type of Paper</b>	<b>Format of Paper</b>	<b>Duration</b>	<b>Weighting</b>
1	Written Examination	Section A (15marks) : Multiple choice questions  Section B (55 marks) : Short-answer-type questions Data-response questions  Section C (30 marks) : open-ended type questions	2h	40%
2	Coursework	Candidates will be given an assignment at the beginning of the examination year which must be completed for assessment by July or early August of the examination year.		60%

### **N(A)-Level Scheme of Assessment**

<b>Paper</b>	<b>Type of Paper</b>	<b>Format of Paper</b>	<b>Duration</b>	<b>Weighting</b>
1	Written Examination	Section A (16 marks) : Multiple choice questions  Section B (40 marks) : Short-answer-type questions Data-response questions  Section C (24 marks) : open-ended type questions	1h 30min	40%
2	Coursework	Candidates will be given an assignment at the beginning of the examination year which must be completed for assessment by July or early August of the examination year.		60%

## §4.7 Aesthetics

### §4.7.1 Art

#### Scheme of Assessment (O and NA-level)

##### 1 Investigation and Exploration Skills

- Research into a variety of information sources based on the chosen theme/ideas
- Learn about artists/artworks and integrate knowledge with their own art making.
- Develop a range of visual ideas by manipulating images, signs, symbols and materials
- Communicate personal ideas, beliefs and interpretations of issues/themes/concepts.

##### 2 Aesthetic and Technical Skills

- Illustrate an understanding of art elements and design principles
- Make aesthetic judgements appropriate to the chosen idea/media/form.
- Apply and manipulate appropriate techniques and materials in a thoughtful and disciplined manner.

##### 3 Personal Voice

- Exhibit a personal engagement and an original input in Art
- Demonstrate curiosity, critical thinking and reflection
- Make personal choices in developing ideas and synthesising artworks which are unique.

Paper	Description	Format	Weighting
Paper 1	Coursework*	The question paper is issued to the candidates in January of the examination year. The deadline is usually in July or August of the same year. Candidates choose one question to respond to.	60%
Paper 2 OR Paper 3 #	Drawing and Painting	Timed examination paper 3 hours <i>The question paper is issued 3 weeks before the exam. Candidates choose one question to respond to.</i>	40%
	Study of Visual Arts (SOVA)#	Written paper 2 hours <i>Candidates answer 3 questions which require them to analyse, compare and evaluate artwork. Images of the artwork tested are all included in the question paper.</i>	

\*O-level Coursework candidates must submit 8 A2 size preparatory boards together with the final Art work. N(A)-Level candidates must submit 5 A2 size preparatory boards together with the final Art work.

#Offer to candidates taking O-level Art.



#### **§4.7.2 Music**

Interested students who wish to take Music as an O-level subject will need to complete an online application. They will then need to print the online application form and submit this printout, with parent's/guardian's signature, to the Music teacher-in-charge, Ms Rebecca Ng.

Application opens: June

Application closes: Late July

All applicants will sit for a selection test conducted by MOE in August.

Students will travel to Ahmad Ibrahim Secondary School, CHIJ St Nicholas Girls' School or Ang Mo Kio Secondary in the afternoon for lessons.

For more information, please contact:

Ms Rebecca Ng

Ext. 313

[ng\\_chu\\_ying\\_rebecca@schools.gov.sg](mailto:ng_chu_ying_rebecca@schools.gov.sg)

*NB: Months stated on this page are an estimate based on 2021's application timeline.*

## **§4.8 Principles of Accounts (POA)**

### **O-level POA Scheme of Assessment**

<b>Paper</b>	<b>Description</b>	<b>Duration</b>	<b>Marks</b>	<b>Weighting</b>
1	Answer 3 to 4 compulsory structured questions.	1 hour	40	40%
2	Answer 4 compulsory structured questions.  • One question requires the preparation of financial statements for a business for one financial year. (20 marks)  • A scenario-based question (7 marks) will be part of one of the 3 remaining questions.	2 hours	60	60%

### **N(A)-level POA Scheme of Assessment**

<b>Paper</b>	<b>Description</b>	<b>Duration</b>	<b>Marks</b>	<b>Weighting</b>
1	Answer 3 to 4 compulsory structured questions.	1 hour	40	40%
2	Answer 4 compulsory structured questions.  • One question requires the preparation of financial statements for a business for one financial year. (20 marks)  • A scenario-based question (5 marks) will be part of one of the 3 remaining questions.	2 hours	60	60%

## Principles of Accounts Syllabus

Key Understanding	Content
<p>1: Accounting and non-accounting information is used to support and facilitate decision-making</p>	<p>Stakeholders require accounting and non-accounting information on business activities for decision-making, which in turn affects the business and its activities.</p> <p>1.1 Roles of accounting and accountants 1.2 Stakeholders and their decision-making needs 1.3 Financial statements analysis (*)</p>
<p>2: Accounting is a language used to represent business activities</p>	<p>Accounting is the language of business as it provides the concepts and framework to represent business activities.</p> <p>2.1 Types of businesses 2.2 Forms of business ownerships (*) 2.3 Elements of financial statements 2.4 Accounting equation 2.5 Financial statements 2.6 Income and expenses 2.7 Assets 2.8 Liabilities 2.9 Equities 2.10 Correction of errors</p>
<p>3: Accounting is an information system to measure business activities.</p>	<p>The accounting information system measures business activities by identifying, recording, analysing and reporting accounting information.</p> <p>3.1 Accounting theories 3.2 Accounting information system and accounting cycle 3.3 Understanding double-entry recording system 3.4 Internal controls</p>

(\*) Covered only in the O-Level syllabus.

END