



St. Margaret's Secondary School

2021 Secondary 3 Subject Combinations_S2-1 to S2-4

Outline

1. Objectives
2. Subject Combinations:
 - a. Options
 - b. Eligibility Criteria
 - c. Allocation
 - d. Timeline
3. Key Considerations:
 - a. Know Yourself
 - b. Subjects to Offer
 - c. Post-Secondary Options
4. Useful links on post-secondary options
5. Contact Information
 - a. Subject Related Matters
 - b. Well-being Matters
 - c. Career Counsellor
6. Subject Information:
 - a. Upper Secondary Science
 - b. Upper Secondary Humanities
 - c. Literature in English
 - d. Coursework Subject:
 - d-1. Nutrition & Food Science
 - d-2. Art 'O' Level
 - d-3. GCE 'O' Level Drama
 - d-4. Enhanced Music Programme (EMP)



1. Objectives

- To provide students with:
 - subject combinations that will facilitate their progression to the Institutes of Higher Learning (e.g. fulfilling Junior College pre-requisites for offering certain subjects)
 - a breadth of choices of subjects based on their abilities and interests
- Synergy between subjects within the combination
- School Resources (e.g. manpower, facilities)



2a. Subject Combinations: Options

SUBJECT COMBINATIONS	OPTION 1 7 subjects (Combined Science)	Criteria for Option 2: Overall Science results have to be more than or equal to 60%	Criteria for Option 3 to Option 5: (a) Average EMSB (English, Math, Science & Best Humanities – Geography, History or English Literature) have to be more than or equal to 65% (a) Overall Science results have to be more than or equal to 60%		
		OPTION 2 7 subjects (Double Sciences)	OPTION 3 8 subjects (Double Sciences & 1 Arts subject)	OPTION 4 8 subjects (Double Science, Double Math & Double Humanities)	OPTION 5 8 subjects (Triple Science & Double Math)
Languages	1. English Language 2. Mother Tongue	1. English Language 2. Mother Tongue	1. English Language 2. Mother Tongue	1. English Language 2. Mother Tongue	1. English Language 2. Mother Tongue
Mathematics	3. Mathematics	3. Mathematics	3. Mathematics	3. Mathematics	3. Mathematics
Sciences	Combined Science: 4a. <input type="checkbox"/> Chemistry & Physics OR 4b. <input type="checkbox"/> Chemistry & Biology	4. Chemistry and 5a. <input type="checkbox"/> Physics OR 5b. <input type="checkbox"/> Biology	4. Chemistry and 5a. <input type="checkbox"/> Physics OR 5b. <input type="checkbox"/> Biology	4. Chemistry and 5a. <input type="checkbox"/> Physics OR 5b. <input type="checkbox"/> Biology	4. Chemistry 5. Physics 6. Biology
Combined Humanities (Social Studies and ONE Elective)	5. Social Studies and : a. <input type="checkbox"/> Geography OR b. <input type="checkbox"/> History OR c. <input type="checkbox"/> English Literature	6. Social Studies and : a. <input type="checkbox"/> Geography OR b. <input type="checkbox"/> History OR c. <input type="checkbox"/> English Literature	6. Social Studies and : a. <input type="checkbox"/> Geography OR b. <input type="checkbox"/> History OR c. <input type="checkbox"/> English Literature	6. Social Studies and : a. <input type="checkbox"/> Geography OR b. <input type="checkbox"/> History OR c. <input type="checkbox"/> English Literature	7. Social Studies and : a. <input type="checkbox"/> Geography OR b. <input type="checkbox"/> History OR c. <input type="checkbox"/> English Literature
Additional Mathematics [Criteria: Overall results for Math have to be more than or equal to 60%]	6. A choice of: a. <input type="checkbox"/> A Math OR	7. A choice of: a. <input type="checkbox"/> A Math OR	7. A choice of: a. <input type="checkbox"/> A Math OR	7. A Math	8. A Math
Principles of Accounts	b. <input type="checkbox"/> POA OR	b. <input type="checkbox"/> POA OR	b. <input type="checkbox"/> POA		
Full Humanities*	c. <input type="checkbox"/> Geography OR d. <input type="checkbox"/> History OR e. <input type="checkbox"/> English Literature	c. <input type="checkbox"/> Geography OR d. <input type="checkbox"/> History OR e. <input type="checkbox"/> English Literature		8. A choice of: a. <input type="checkbox"/> Geography OR b. <input type="checkbox"/> History OR c. <input type="checkbox"/> English Literature	
Coursework subjects**	7. A choice of: a. <input type="checkbox"/> Nutrition & Food Science OR b. <input type="checkbox"/> Art OR c. <input type="checkbox"/> Drama OR d. <input type="checkbox"/> Music		8. A choice of: a. <input type="checkbox"/> Art OR b. <input type="checkbox"/> Drama OR c. <input type="checkbox"/> Music		

2b. Subject Combinations: Eligibility Criteria

Promotion Criteria	<ul style="list-style-type: none">• Pass in English <u>AND</u>• An overall Pass percentage (50% or more) for the average of all subjects
8 subject combinations	Average EMSB has to be more than or equal to 65%
Pure Sciences	Overall Science results has to be more than or equal to 60%
A Math	Overall results for Math has to be more than or equal to 60%
Drama	Pass Drama audition and interview To get details from Drama Teacher Ms Kwang Wan Yi
Music (EMP)	Pass the EMP selection test To get details from music Teachers Mrs Tham / Ms Ng Shau Ching

To note:

- EMSB refers to English, Math, Science & Best Humanities (Geography, History or English Literature).
- Students must offer contrasting subjects for Combined & Pure Humanities, e.g. Geography Elective and Pure History.
- Students offering Art, Music or Drama should note that these subjects CANNOT replace the compulsory Humanities subject in L1R5 computation.



2c. Subject Combinations: Allocation

Students will be allocated the subject combination based on their:

- End-of-Year Overall Results; and
- Choice of options indicated in Subject Option Form



2d. Subject Combinations: Timeline

Activity	Period
Release of Subject Combination Options	End June
Sec 2 Subject Combination Exercise <ul style="list-style-type: none">Information on the exercise will be given to all Sec 2 students in the October Principal's Letter	End October
Release of Subject Combination Allocation Results <ul style="list-style-type: none">via ASKnLearn account [Login username: First 5 letters of student's name + last 5 characters of birth certificate, for example: ALICE1234A]	Early November
Request Period	Early November
Release of Confirmed Class Allocation	Last week of December



3a. Key Considerations: Know Yourself

- ❑ My capabilities, strengths and interests
- ❑ My future plans
- ❑ My pathway: Where do I want to go?

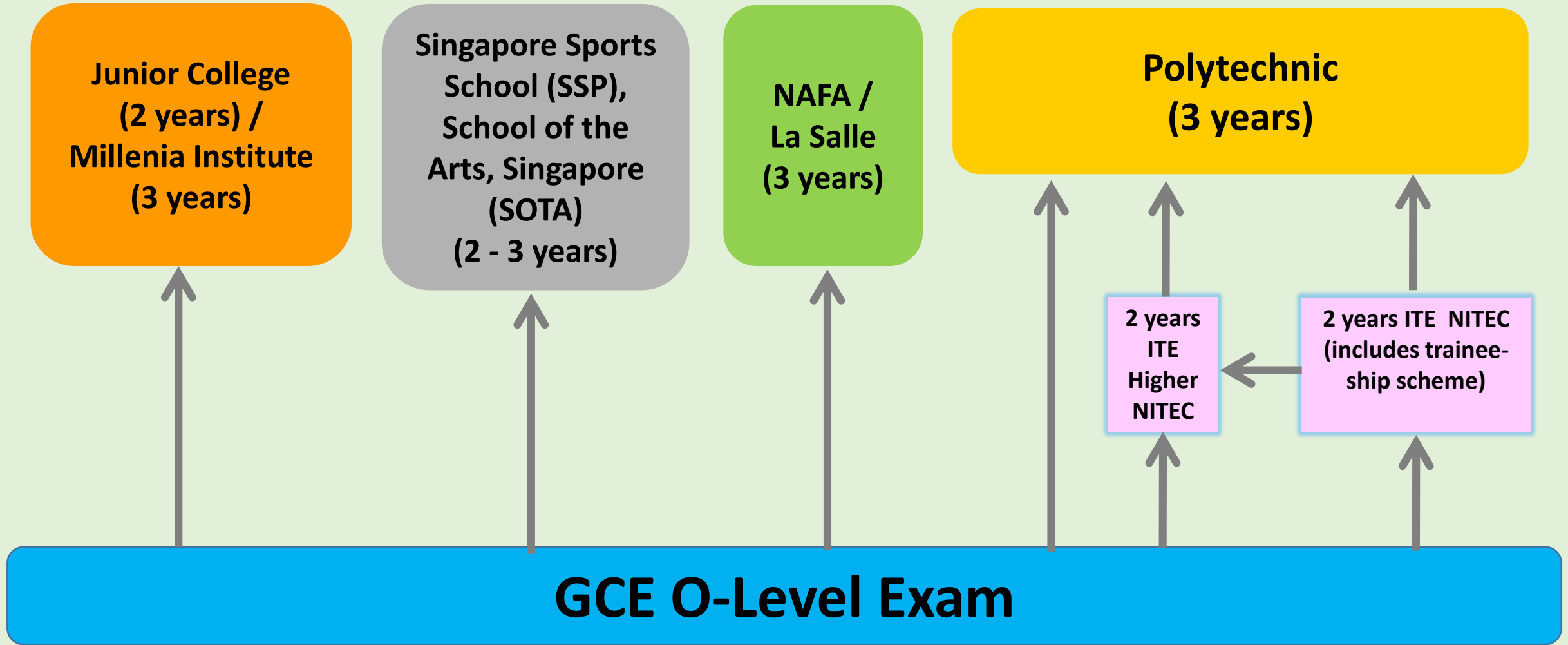


3b. Key Considerations: Subjects to Offer

- To take Triple Science, Two Pure Sciences or Combined Science?
 - Note that Chemistry is compulsory in all combinations.
 - Refer to [Slide 16 to 20](#) for more information
- To take only one Combined Humanities or Combined Humanities plus one Pure Humanities?
 - Combined Humanities is compulsory in all combinations.
 - Pure Humanities option available in Option 1, Option 2 and Option 4
 - Refer to [Slide 21 to 25](#) for more information
- To take Literature in English? → Refer to [Slide 26 to 29](#) for more information
- To take coursework subjects?
 - (a) Nutrition & Food Science → Refer to [Slide 30 to 34](#) for more information
 - (b) Art → Refer to [Slide 35 to 39](#) for more information
 - (c) Drama → Refer to [Slide 40 to 43](#) for more information
 - (d) Music (Enhanced Music Programme) → Refer to [Slide 44 to 47](#) for more information



3c. Key Considerations: Post-Secondary Options



3c. Key Considerations: Post-Secondary Options

No	Option	Requirement / Eligibility to Apply	CCA Bonus Points
1	GCE A Level	To enter a Junior College: L1R5 must be $\leq 20^*$ (before bonus points) Subject-specific requirements To enter MI: L1R4 must be $\leq 20^*$ (before bonus points) Subject-specific requirements	CCA Grade Excellent: 2 bonus points CCA Grade Good: 1 bonus point
2	Polytechnic (Diploma)	General: Pass in EL and Maths Aggregate for 5 subjects including EL & Maths (EL R2 B2) must be $\leq 26^*$ (before bonus points) Subject-specific requirements	
3	Higher Nitec Course @ ITE	Generally Grade 1 - 7 in EL Grade 1 - 7 in Maths (Elementary or Additional) or Principles of Accounts Grade 1 - 7 in one other subject.	
4	Nitec Course @ ITE	Generally Grade 1 – 8 in any 2 subjects	

*To note:

- L1: English Language
- R: Relevant Subjects
- EL: English Language
- B: Best Subjects

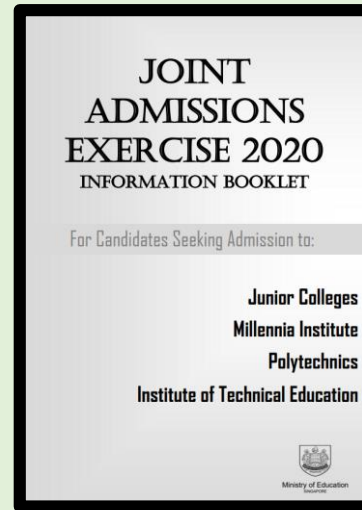


5. Useful links on post-secondary options



<https://beta.moe.gov.sg/post-secondary>

Post-secondary education and admissions section of the beta site enable students to learn about the choices available for them to pursue their next phase of learning based on their interests and strengths.



<https://www.moe.gov.sg/docs/default-source/document/education/admissions/jae/files/booklet.pdf>

Students can also use this JAE booklet to look for information on Joint Admissions Exercise (JAE) and courses offered by the institutions.



6a. Contact Information: Subject Related Matters

Subject	Head of Department / Subject Head	Email Address
Science	Mr Jason Chew	chew_sin_yong_jason@moe.edu.sg
Humanities	Ms Foo Wen Xian Delia	foo_wen_xian_delia@moe.edu.sg
English Literature	Mrs Shamini Rajandran	rajaratnam_rajandran@moe.edu.sg
Nutrition & Food Science	Mrs Lee Siew Chin	ang_siew_chin@moe.edu.sg
Art	Ms Karen Tan	tan_meng_sie_karen@moe.edu.sg
Drama	Ms Kwang Wan Yi	kwang_wan_yi@moe.edu.sg
Elective Music Programme	Mrs Tham Chuan Chuan	oh_chuan_chuan@moe.edu.sg
Mathematics	Mrs Chua Choe Tee	ho_choe_tee@moe.edu.sg
Mother Tongue	Mrs Chong-Yeo Chiu Peng	chong-yeo_chiu_peng@moe.edu.sg



6b. Contact Information: Well-being Matters

Designation	Name	Email Address
Sec 2 AYH	Ms Carol Soh	soh_yee_ling_carol@moe.edu.sg

Class	Form and Co-Form Teachers	Class	Form and Co-Form Teachers
S2-1	Mr Kenan Kok (kok_xiao-feng_kenan@moe.edu.sg)	S2-3	Mdm Nur Aqilah (nur_aqilah_ibrahim@moe.edu.sg)
	Mr Daniel Teng (teng_charng_ther@moe.edu.sg)		Mr Lawrence Tan (lawrence_tan_chay_leong@moe.edu.sg)
	Mrs Elizabeth Yang (tan_tian_hee_elizabeth@moe.edu.sg)		Ms Kwang Wan Yi (kwang_wan_yi@moe.edu.sg)
S2-2	Ms Nur Irnawaty (nur_irnawaty_isnan@moe.edu.sg)	S2-4	Ms Koh Pooi Sze (koh_pooi_sze@moe.edu.sg)
	Mr Leong Fang Shao (leong_fang_shao@moe.edu.sg)		Mdm Zaleha Bte Yusof (zaleha_yusof@moe.edu.sg)
	Mrs Kok Lin Jin (ong_lin_jin@moe.edu.sg)		Mrs Tan Sok Mun (chan_sok_mun@moe.edu.sg)

6a. Subject Information:

Upper Secondary Science



Learner Characteristics

Subject offered	Characteristics
Triple Science	<ul style="list-style-type: none">• Strong in all sciences and consistently scores Distinction in Lower Secondary Science and Math.• Confident of focusing on a single Humanities subject (which would be compulsory for L1R5 computation)
Chemistry and Physics	<ul style="list-style-type: none">• Strong in Math and keen on applying concepts learnt in new and novel situations• Wishes to embark on courses related to Engineering, Computing and Technology
Chemistry and Biology	<ul style="list-style-type: none">• Confident in reasoned explanation for phenomena and proposing hypotheses.• Intends to pursue courses related to Life Sciences.
Combined Science	<ul style="list-style-type: none">• More inclined towards the disciplines of languages, humanities and aesthetics• Aims to get a good foundation in science but with less demanding questions, thereby preparing them for future courses that require some exposure to science.

Pure Science vs Combined Science (Curriculum)

Pure Science (Biology or Physics)

- Extensive curriculum suitable for students who intend to pursue future courses in engineering, or pure and applied sciences.
- An in-depth understanding of the theories and concepts in each topic is required.
- Does not guarantee eligibility for pure science at H2 level in JC – common requirement is least a B3 grade in O Level.

Combined Science (Chemistry + Biology or Chemistry + Physics)

- Covers only about 60% of the pure science curriculum for each component.
- Less depth of understanding is required for the same topics.
- Can still take pure sciences at H1 or H2 levels in JC (subject to criteria of respective JCs).

Pure Science vs Combined Science (Assessment)

Pure Science (Biology or Physics)

- Assessment questions comprise a greater proportion of higher-order thinking questions.
- Practical Assessment makes up 20% of O Level examination
 - ➔ Skills assessed:
 - Manipulation, Measurement and Observation
 - Presentation of Data and Observation
 - Analysis, Conclusions and Evaluation
 - Planning

Combined Science (Chemistry + Biology or Chemistry + Physics)

- Assessment questions are less rigorous and demanding in nature.
- Can still take pure sciences at H1 or H2 levels in JC (subject to criteria of respective JCs).

Pure Science vs Combined Science (Scheme of Assessment – O Level)

[Back to
Slide 9](#)

Chemistry, Biology or Physics

Paper	Type of paper	Duration	Weighting
1	MCQ	1h	30%
2	Theory	1h 45min	50%
3	Practical	1h 50min	20%

Combined Science (Chemistry + Biology or Chemistry + Physics)

Paper	Type of paper	Duration	Weighting
1	MCQ	1h	20%
2 or 4	Theory (Physics or Biology)	1h 15 min	32.5%
3	Theory (Chemistry)	1h 15 min	32.5%
5	Practical	1h 30min	15%

6b. Subject Information:

Upper Secondary Humanities





Learner characteristics

Students must:

- develop an **Interest in the world** around them – their surroundings and current affairs
- be comfortable to **ask questions and seek answers** to their questions **independently** as well as **solve problems collaboratively**
- be **Knowledgeable**
 - read beyond textbooks and fiction – read the newspapers and magazines like Time & Newsweek (even if it is just the headlines, for a start)
 - watch the News and programmes on ChannelNewsAsia, Discovery, History Channel, National Geographic
- be ready to **debate** and be **comfortable with ambiguity**



Social Studies

Students develop:

- appreciation of multiple perspectives
- responses to current societal issues
- skills to conduct an investigation on societal phenomena

Themes

Exploring Citizenship & Governance

Living in A Diverse Society

Being Part of A Globalised World

Examination format:

Source-based Case Study (35 marks);

Structured Response Question (15 marks)

Duration: 1 hr 45 min



History / Elective History

Students develop:

- understanding on how the past is constructed, interpreted and represented for different reasons and purposes
- skills to handle historical sources and articulate their findings

Themes	History	Elective History
	'O'-Level	'O'-Level
European Dominance & Expansion in late 19 th Century (SEA)	Paper 1	NA
The World in Crisis		✓
Bi-polarity & the Cold War	Paper 2	✓
Decolonization & Emergence of Nation-States (SEA)		NA

Examination Format:

Source-based Case Study (30 marks);

Structured Essay (20 marks)



Geography / Elective Geography

[Back to Slide 9](#)

Students learn how to:

- manage current issues surrounding human interactions with the environment
- gain insights into future challenges

Themes	<u>Geography</u>	<u>Elective Geography</u>
	'O'-level	'O'-level
Coasts	✓	NA
Living with Tectonic Hazards	✓	✓
Variable Weather & Changing Climate	✓	✓
Global Tourism	✓	✓
Food Resource	✓	✓
Health & Diseases	✓	NA
Examination Format:	Paper 1: 50 marks (25 marks on Fieldwork) Paper 2: 50 marks	50 marks (13 marks on Fieldwork)

6c. Subject Information:

Literature In English



Learner characteristics

Students will become:

- ◆ Creative Meaning-makers;
- ◆ Empathetic & Global Thinkers;
- ◆ Critical Readers; and
- ◆ Convincing Communicators.



Curriculum

The Ethical

- ◆ raises awareness of timeless issues concerning human beings;
- ◆ promotes empathy and global awareness.

Develops creativity;

The Aesthetic

- ◆ inculcates the habit of close reading;
- ◆ promotes heightened sensitivity towards nuances of language.

The Intellectual

- ◆ cultivates metacognitive habits of mind;
- ◆ develops a greater tolerance for open-endedness.



Examination Syllabuses



Core (100%)

- Two texts

- Unseen Text (poetry)

Elective (50%)

- One text

- Unseen Text (poetry)



6d-1. Subject Information:

Coursework Subject: Nutrition & Food Science



Learner characteristics

❖ **Students who:**

- ✓ Has a passion for the subject
- ✓ Has a curious mind
- ✓ Can think critically
- ✓ Can work independently
- ✓ Are willing to put in consistent effort
- ✓ Have the attitude to improve
- ✓ Are committed to explore and experiment

Syllabus Content and Assessment

Syllabus Content

- ☞ Nutrition and Health: - Nutrients, Water and Dietary Fibre
 - Diet and Health Problems
- ☞ Food Literacy: - Food Management
 - Smart Consumer
- ☞ Food Science: - The Science of Food Preparation and Cooking
 - Reactions in Food During Preparation and Cooking
 - Evaluation of Food

Syllabus Code	Paper 1	Weighting	Paper 2	Weighting
O Level (6097)	Written (2 hours)	100 marks (40%)	Coursework (28 hours) 20 – 25 pages	80 marks (60%)

Assessment

Paper 1	O Level	Paper 2	O Level	Marks
Section A	Multiple Choice Questions (MCQ) (15 marks)	Criteria (Marks)	Research	10
			Decision Making	8
Investigation • Plan / Conduct / Apply	22			
	Planning		8	
Section B	Short answer type questions Data-response questions (55 marks)		Execution	24
			Evaluation	8
Section C	2 open-ended questions (30 marks – 2 x 15 marks)		Weighting	60%
		Total Marks	80	
Weighting	40%	Duration	28 hours	
Total Marks	100 marks	Page Range	20 – 25 pages	
Duration	2 hours			

Courses available in the Polytechnics

[Back to
Slide 9](#)

☞ **Singapore Polytechnic**

- Food Science and Technology

☞ **Nanyang Polytechnic**

- Food Science and Nutrition
- Food and Beverage Business

☞ **Temasek Polytechnic**

- Food, Nutrition and Culinary Science
- Culinary and Catering Management

☞ **Republic Polytechnic**

- Health Management and Promotion
- Health Services Management
- Restaurant and Culinary Operation

6d-2. Subject Information:

Coursework Subject: Art 'O' Level



Learner characteristics

The Learner

- ✓ has the ability in making and presenting art, with basic skills in observation studies
- ✓ has good time management skills and is able to cope with extended lessons in the afternoons to complete coursework
- ✓ has a keen interest and is willing to commit to two **years of in-depth study** in Art

Syllabus Content

The content of the syllabus comprises **Studio Practice** and **Study of Visual Arts**.

Studio Practice

- Hone their observation skills when they are engaged in art making
- To explore a good range of media and experiment with different techniques in their studio practice
- Acquire skills such as research, experimentation and exploration, idea development, personal reflection and evaluation in the process of creating artworks
- Learn to think through issues and problems and develop their abilities to translate ideas into artworks through their preparatory studies

Study of Visual Arts Studio

- Development of critical thinking skills such as description, analysis, interpretation and evaluation
- Opportunities to respond to and discover insights from artists/artworks

The content for the Study of Visual Arts is organised along three broad themes:

- Art as Narrative and Inspiration
- Art as Expression and Identity
- Art as Communication and Design

Examination Format

Paper	Weighting	Description	Examination Duration	Requirement
Paper 1	60%	Coursework	N/A	Compulsory
Paper 2 OR	40%	Drawing and Painting	3 hours	Choose one out of the two papers
Paper 3		Study of Visual Arts (SOVA)	2 hours	

Examination Format



Paper 1 (Coursework)

- One finished artwork and eight A2 sheets of preparatory studies
- *Question paper consisting of six themes will be issued in January and candidates are to make response to one of the themes*

Paper 2 (Drawing and Painting) 3 hours in Examination venue

- Preparatory studies of three to five A3 sheets of paper must be submitted
- Question paper to be given three weeks before the commencement of the O Level Examination (Six themes will be issued and candidates are to make response to one of the themes on paper of size A3 or A2)

Paper 3 (Study of Visual Arts) 2 hours in Examination venue

- Section A: Two structured questions will be set, each accompanied by a visual stimulus.
- Section B: Two structured comparison questions will be set, each accompanied by a pair of visual stimuli. Candidates must answer one question in Section A, one question in Section B and one question from either Section A or Section B.

6d-3. Subject Information: Coursework

Subject: GCE 'O' Level Drama



Learner Characteristics

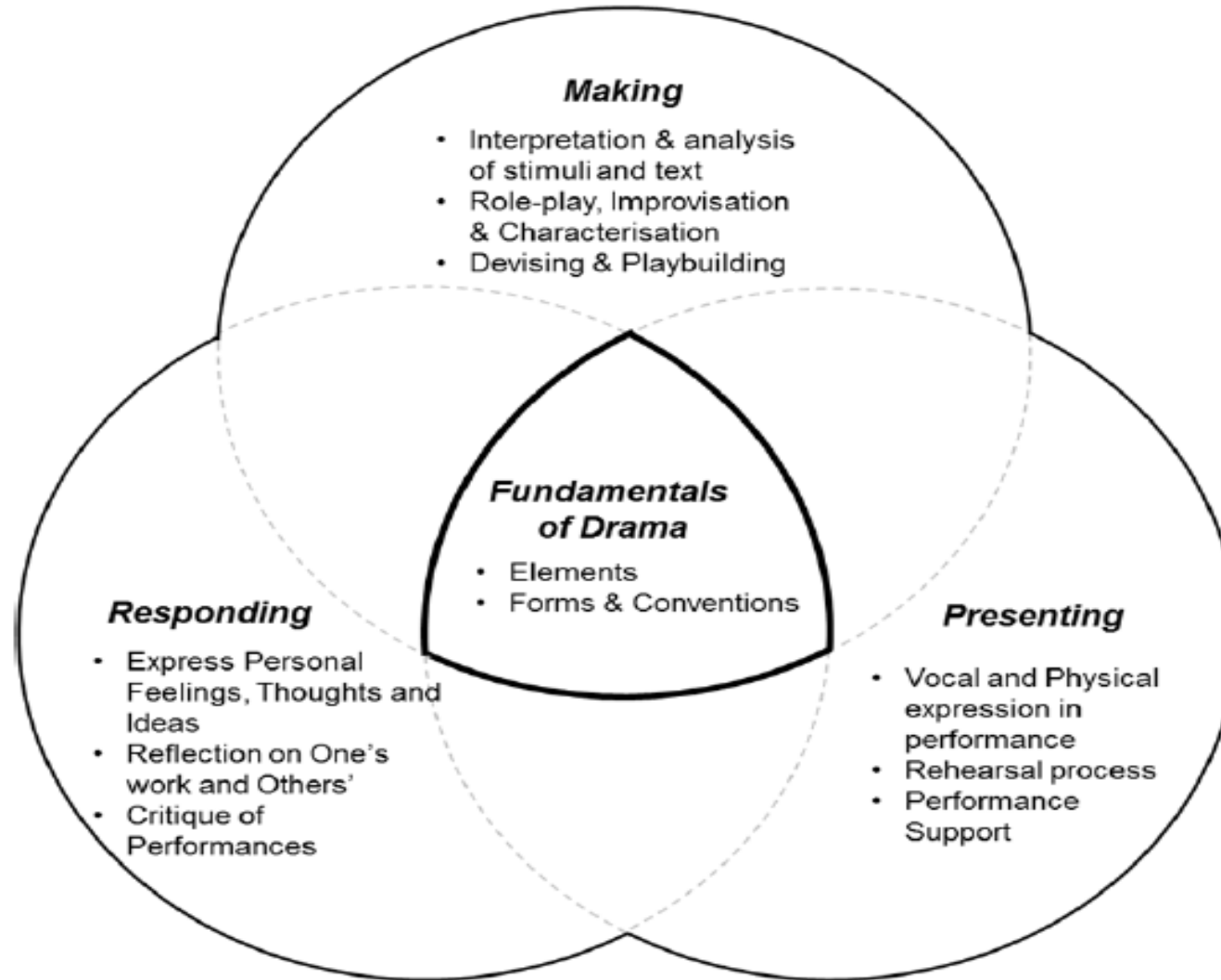
- Has an interest and appreciation of the value of, and enjoyment of Drama
- Has clear vocal articulation and is confident in front of an audience
- Has good command of the English language (minimum requirement: B4 for English and Literature)
- Is an independent and a self-directed learner. Willing to commit to programme (curriculum is conducted after school)

The aims of the Drama syllabus are to:

- a. develop students' understanding of the human condition to convey personal, social and cultural meanings through Drama;
- b. develop students' appreciation of the value of, and enjoyment of Drama;
- c. enable personal engagement with Drama presentations, drawing connections between the self and society;
- d. enable collaboration with one another, valuing individual and group contribution towards shared goals that is part of the Drama practice;
- e. facilitate the communication of ideas, thoughts and feelings through dramatic presentations that are meaningful to themselves and the intended audience; and
- f. facilitate the investigation, analysis, and evaluation of their own drama work and that of others in order to develop their critical and inventive thinking.

Assessment

[Back to
Slide 9](#)



6d-4. Subject Information:
Coursework Subject:
Enhanced Music Programme (EMP)



Learner characteristics

The Learner

- ✓ possess a good ear
- ✓ is interested to learn about different musical traditions (e.g. Asian, Western Classical, Jazz, Popular)
- ✓ is competent in performing and/or creating music
- ✓ has keen interest and is willing to commit to two **years of in-depth study** in Music

Curriculum

- Two-year course starting at Secondary 3E/N(A) in 2020
- Leads to GCE 'O' level music examinations in 2021
- Lesson will be held on every Monday 3.30pm - 6.30pm
- Enrichment programmes during the holidays
 - Music Camp/EMP Concert
 - Ethnic Music Workshops
 - Career Fair

Examination Format

[Back to Slide 9](#)

Paper	Title	Weighting	Assessment Format	Duration	Marks
1	Music Studies	40%	Written Examination - 4 Areas of study 1) Western Classical Tradition 2) Jazz 3) Popular Music 4) Asian Music	1.5 hours	75
2	Creating	30%	i) Coursework - to submit a music composition in response to 1 of 6 stimuli	Over 9 weeks, 5 hours of supervision time	40
			ii) Reflection Notes (of 400 to 500 words)		10
3	Performing	30%	i) Recital (on instrument of own choice/voice)	5 – 10 mins	40
			ii) Reflection Notes (of 400 to 500 words)	-	10