

CHUNG CHENG HIGH SCHOOL (YISHUN)

SECONDARY TWO NORMAL TECHNICAL
ACADEMIC INFORMATION BOOKLET
2021

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ASSESSMENT MODES AND WEIGHTINGS

EL, MTL, Science, Math, CPA

Subjects	Term 1	Term 2		Term 3	Term 4	
	Weighted Assessment1 (WA1)	Weighted Assessment2 (WA2)	Summative Assessment1 (SA1)	Weighted Assessment3 (WA3)	Weighted Assessment4 (WA4)	Summative Assessment2 (SA2)
EL, MTL, Sci, Math, CPA	10%	10%	20%	10%	10%	40%

Modular Subjects

Subjects	Term 1	Term 2		Term 3	Term 4	
	Weighted Assessment1 (WA1)	Weighted Assessment2 (WA2)	Summative Assessment1 (SA1)	Weighted Assessment3 (WA3)	Weighted Assessment4 (WA4)	Summative Assessment2 (SA2)
FCE (Semester 1)	15	15	70	-	-	-
D&T (Semester 2)	-	-	-	15	15	70

PROMOTION CRITERIA

Level/Stream	Minimum Attainment for Promotion to Sec 3
Sec 2NT to 3NT	Pass 2 subjects, one of which should be English or Mathematics

Students who do not meet the promotion criteria will either be retained at the same level or laterally transferred to a less demanding stream.

LATERAL TRANSFER

Level/Stream	Criteria for Lateral Transfer	Met Lateral Transfer Criteria
Sec 1NT	Minimum of 70% in the overall percentage of all subjects combined	Laterally Transferred to Sec 2NA
Sec 2NT	Minimum of 70% in the overall percentage of all subjects combined	Laterally Transferred to Sec 2NA
Sec 3NT	Minimum of 70% in the overall percentage of all subjects combined	Laterally Transferred to Sec 3NA

Out-of-Stream (OOS) Subjects

- Every student is unique and possesses different strengths. Taking subjects at a higher academic level can help students nurture their strengths and give them more opportunities throughout their educational journey, so that they are more engaged in learning.
- Students in N(A) and N(T) courses can take higher-level subjects at Secondary 3, to build a stronger foundation in subjects that they are good at.
- Taking OOS subjects allows the students to challenge themselves, and to have more options for Sec 3 subject combinations and post-secondary courses.
- A strong foundation in literacy, numeracy and reasoning, would ensure students are better prepared for various post-secondary progression pathways (e.g. to ITE and Polytechnic).

THE STREAMING EXERCISE

A. Rationale and Factors Considered

- Provision of subjects based on students' interests, aptitude and profile
- Provision of a wide range of subjects to open up more post-secondary education options
- Consideration of the course entry requirements in ITE
- Availability of manpower.

B. Important Considerations when Choosing Subject Combinations

- Interest in the subject – students tend to excel in the subjects they are interested in.
- Competency in the subject – it's a good indication that students can cope with the subject at a higher level.
- Understanding the demands of the subject:
 - Art requires observational drawing skills and D&T requires basic isometric drawing skills
 - EBS require baseline ICT skills in MS Word, MS EXCEL and MS PPT, and a good command of English
 - Art, D&T and EBS are coursework subjects, which require good time management skills and consistent work.

C. Criteria for Streaming

Students are streamed based on:

- Merit in terms of subject performance and overall results
- Minimum competency level for the subject
- Student's choices.

2022 SECONDARY THREE SUBJECT COMBINATIONS

3NT

SN	Subjects
1	English Language (NT)/English Language (NA)
2	Basic Mother-Tongue Language (NT) Mother-Tongue Language (NA)/ Mother-Tongue Language (Express)
3	Mathematics (NT) / Mathematics (NA)
4	Science (NT)/ Science (Physics, Chemistry) (NA)
5	Computer Applications (CPA)
6	Art OR Elements of Business Skills (EBS) OR Design and Technology (D&T)

Qualifying Criteria

Subject	Criteria (based on Sec 2 OVERALL results in 2021)
English Language (NA) (only applicable for SBB students taking EL (NA))	Pass in English Language (NA)
Chinese Language (Express) (only applicable for SBB students taking CL (Exp))	Pass in Chinese Language (Exp)
Chinese Language (NA) (only applicable for SBB students taking CL (NA))	Pass in Chinese Language (NA)
Malay Language (Express) (only applicable for SBB students taking ML (Exp))	Pass in Malay Language (Exp)
Malay Language (NA) (only applicable for SBB students taking ML (NA))	Pass in Malay Language (NA)
Mathematics (NA) (only applicable for SBB students taking Mathematics (NA))	Pass in Mathematics (NA)
Science (Phy/Chem) (NA) (only applicable for SBB students taking Science (NA))	Pass in Science (NA)

Checking of Visualization Skills

Subject	Visualization Checks
D&T	In Basic Isometric Drawing for Geometric Shapes
Art	In Observational Drawing

The drawing-based visualization checks will allow the school to assess the students' level of visualization skill, so as to help them make an informed decision to offer Art or D&T at Upper Secondary.

TIMELINE FOR STREAMING EXERCISE

Activities	Dates
Streaming Talk for Students	17 Aug
Sec 2 Mock Streaming Exercise (Familiarisation Exercise)	Start: 23 Aug End: 27 Aug
Sec 2 Streaming Exercise	Start: 29 Oct End: 1 Nov
Release of Sec 2 Streaming Exercise Results	10 Nov
Appeal of Sec 2 Streaming Exercise	Start: 10 Nov End: 11 Nov
Release of Sec 2 Streaming Appeal Results	18 Nov

SUBJECT INFORMATION (NT)

English Language (Code:1195)

By the end of Secondary education, students will be able to communicate effectively in English as a result of their development in the following areas:

- **Listen, read and view** critically and with accuracy, understanding and appreciation a wide range of literary and informational/functional texts from print and non-print sources.
- **Speak, write and represent** in internationally acceptable English (Standard English) that is grammatical, fluent, mutually intelligible and appropriate for different purposes, audiences, contexts and cultures.
- **Understand and use internationally acceptable English (Standard English) grammar and vocabulary** accurately and appropriately as well as understand how speakers/writers put words together and use language to communicate meaning and achieve impact.

GCE N-Level Exam Format

Paper	Duration	Marks	Weighting	Content
Paper 1: Writing	1 h 15 min	60	30%	<ul style="list-style-type: none"> • Functional Tasks • Guided Writing
Paper 2: Language Use and Comprehension	1 h 20 min	80	40%	<ul style="list-style-type: none"> • Editing • Language in Spoken Context • Modified Cloze • Reading Comprehension
Paper 3: Listening	45 min	20	10%	<ul style="list-style-type: none"> • Listening Comprehension
Paper 4: Oral Communication	20 min (approx.)	40	20%	<ul style="list-style-type: none"> • Reading Aloud • Spoken Interaction

Mother Tongue Language : Basic Chinese (Code:1202) / Basic Malay (Code:1203)

The main objectives in the teaching and learning of Basic Mother Tongue Languages are:

- Students are able to listen and understand narrative, descriptive and functional texts;
- Students are able to express their views and feelings towards a topic and engage in conversations.
- Students are able to read and understand the thoughts and feelings expressed in narrative and functional texts.
- Students are able to write simple narrative and functional writings.

GCE N-Level Exam Format

Paper	Duration	Marks	Weighting	Content
Paper 1: Language Use and Comprehension	50 min	30	30%	<ul style="list-style-type: none">• Short Cloze Passage
Paper 2: Oral Communication	15 min	50	50%	<ul style="list-style-type: none">• Reading Aloud• Spoken Interaction
Paper 3: Listening	30 min	20	20%	<ul style="list-style-type: none">• Listening Comprehension

Mathematics (Code:4046)

The Mathematics syllabus aims to enable all students to:

- acquire mathematical concepts and skills for continuous learning in mathematics and to support learning in other subjects;
- develop thinking, reasoning, communication, application and metacognitive skills through a mathematical approach to problem solving;
- connect ideas within mathematics and between mathematics and other subjects through applications of mathematics;
- build confidence and foster interest in mathematics.

The concepts and skills covered in the syllabus are organised along 3 content strands: Number and Algebra, Geometry and Measurement, Statistics and Probability.

GCE N-Level Exam Format

Paper	Duration	Marks	Weighting	Content
Paper 1	1h 30 min	50	50%	Short structured questions.
Paper 2	1h 30 min	50	50%	Short structured questions.

Science (Code:5148)

The syllabus is organised around contexts that students can relate to their everyday experiences and the commonly observed phenomena in nature. The contexts are presented as three Core Modules in the Upper Secondary syllabus.

They are:

- Gadgets Work Wonders (II)
- Food Matters
- Wonders of My Body (II)

These contexts have been chosen because they provide a strong link between the concepts to be learnt and their applications. The topics encompassed by each context are not to be viewed as compartmentalised blocks of knowledge, but rather as interdependent and united through that context.

GCE N-Level Exam Format

Paper	Duration	Marks	Weighting	Content
Paper 1	1 h	40	40%	MCQ
Paper 2	1 h 15 min	60	60%	Short-answer and/or structured questions

Computer Applications (Code:7018)

Students will demonstrate understanding of the range and power of computer applications and the responsible use of information (computer fundamentals, CPF). They will be able to use relevant application software to solve problems in everyday context, and represent their problem solutions via data tables, flowcharts and programming statements.

They will be able to use typical office productivity application software for:

- Document Processing (**DOP**);
- Multimedia Communication (**MMC**);
- Spreadsheet calculations and charts (**SST**);
- Media Elements (**MEL**) and Media Computing (**MEC**).

Students will also be able to demonstrate their skills in interface design, computer drawing (**MEL**) and image editing, as well as animated stories and games (**MEC**).

GCE N-Level Exam Format

Paper	Mode	Duration	Weighting	Marks	Format	Modules Assessed
Paper 1	Written	1 h 15 min	30 %	20	MCQ	All 6 modules
				40	Short-Structured Questions	All 6 modules
Paper 2	Lab-based	1 h 30 min	35%	70	3 related tasks	MEL, DOP, MMC
Paper 3	Lab-based	1 h 30 min	35%	70	2 problem scenarios	SST, MEC

NT Art (Code:6128)

The N(T) Art syllabus is rooted in the belief that art elicits our students' innate sense of curiosity. It takes students on a journey to discover, inspires them to investigate, explore possibilities to represent the world and their experiences in meaningful ways.

GCE N-Level Exam Format

Paper 1: Art Task (40%) [3 hours]

One task accompanied with a visual stimulus will be offered five weeks before the commencement of the N(T)-Level examination. Within the task, three product outcomes will be offered. Candidates must select one product to respond in relation to the task and visual stimulus given.

Candidates must keep their investigation and development between three to five A3 sheets of paper to show their ideas/ concepts.

The final solution is executed on paper of A3 size during the examination. Each candidate will submit the A3 size sheets for the ideas/concepts development and the final solution at the end of the examination.

Paper 2: Portfolio (60%) [18 weeks]

This paper consists of three parts.

PART A – Digital Journal Each work must be accompanied with a digital journal of not more than five screens for submission. Sketches, paintings, images and/or short audio-visual recordings must be included.

PART B – Art and Design Work Each candidate is to submit two works. One Fine Art submission and one Design submission. Each work must not exceed 60x40cm or weigh more than 15 kg.

PART C – Personal Response Evaluation of the candidate's ability to remain engaged and to take responsibility for the completion of the Portfolio examination (Part A and Part B). Submission of the Portfolio will be in the month of May of the examination year.

Elements of Business Studies (Code:7066)

The Elements of Business Skills (EBS) syllabus is designed as an introduction to business concepts by understanding business activities, focusing on basic marketing and customer relations, in Singapore's context. Students will have opportunities to acquire foundational business knowledge and develop transferable employability skills in the service industry, namely the Travel and Tourism, Hospitality and Retail industries. Thus, the study of EBS will provide students with a basic understanding of business concepts and an awareness of the industry for further studies in institutes of higher learning and careers.

GCE N-Level Exam Format

Paper	Mode	Duration	Weighting	Marks	Format	Modules Assessed
Paper 1	Written	1h 30 min	60%	100	4 compulsory questions, comprising of short responses and structured questions.	Units 1 to 3 of syllabus
Paper 2	Coursework	20h curriculum time over 10-14 weeks	40%	80	Conduct a business investigation for 5 Tasks.	Units 1 to 4 of the syllabus

Design and Technology (Code:7062)

This Design & Technology (D&T) syllabus is designed to engage students in designing and prototyping ideas through applying technology. The students' learning leverages and builds on their experiences in design and technology, and emphasises on understanding everyday activities and creating possibilities to make life better. Through the design process, students cultivate creative, critical and reflective thinking to make sense of their learning and to develop related dispositions and skills using graphical means and technology.

GCE N-Level Exam Format

The assessment domains are weighted to give an indication of their relative importance. They are not intended to provide a precise statement on the number of marks allocated to a particular assessment domain.

Paper	Duration	Assessment Domains			Total
		A Knowledge with Understanding	B Design Thinking Skills	C Design Manipulating Skills	
Paper 1: Written Examination	1 hour	10%	10%	10%	30%
Paper 2: Design Project	20 weeks	20%	20%	30%	70%
Overall		30%	30%	40%	100%

SUBJECT INFORMATION (NA)

English Language (Code:1190)

By the end of Secondary education, students will be able to communicate effectively in English as a result of their development in the following areas:

- **Listen, read and view** critically and with accuracy, understanding and appreciation of a wide range of literary and informational/functional texts from print and non-print sources.
- **Speak, write and represent** in internationally acceptable English (Standard English) that is grammatical, fluent, mutually intelligible and appropriate for different purposes, audiences, contexts and cultures.
- **Understand and use internationally acceptable English (Standard English) grammar and vocabulary** accurately and appropriately as well as understand how speakers/writers put words together and use language to communicate meaning and achieve impact.

GCE N-Level Exam Format

Paper	Duration	Marks	Weighting	Content
Paper 1: Writing	1 h 50 min	70	35%	<ul style="list-style-type: none"> • Editing • Situational Writing • Continuous Writing
Paper 2: Comprehension	1 h 50 min	50	35%	<ul style="list-style-type: none"> • Visual Text • Narrative Text • Non-narrative Text
Paper 3: Listening	45 min	30	10%	<ul style="list-style-type: none"> • Listening Comprehension
Paper 4: Oral Communication	20 min (approx)	30	20%	<ul style="list-style-type: none"> • Reading Aloud • Spoken Interaction

Mother Tongue Language: Chinese (Code:1196) / Malay (Code:1197)

The main objectives in the teaching and learning of Mother Tongue Languages are:

- Students are able to listen and understand narrative, descriptive and functional texts.
- Students are able to express their views and feelings towards a topic and engage in conversations.
- Students are able to read and understand narrative, descriptive, argumentative and functional texts, as well as engage in literary appreciation.
- Students are able to write narrative, descriptive, argumentative and functional writings.

GCE N-Level Exam Format

Paper	Duration	Marks	Weighting	Content
Paper 1	2 h	60	30%	<ul style="list-style-type: none">• Functional Writing• Composition
Paper 2	1 h 30 min	60	30%	<ul style="list-style-type: none">• Language Usage• Comprehension 1• Comprehension 2
Paper 3	15 min 30 min	60 20	30% 10%	<ul style="list-style-type: none">• Oral Examination• Listening Comprehension

Mathematics (Code:4045)

The Mathematics syllabus aims to enable all students to:

- acquire mathematical concepts and skills for continuous learning in mathematics and to support learning in other subjects;
- develop thinking, reasoning, communication, application and metacognitive skills through a mathematical approach to problem solving;
- connect ideas within mathematics and between mathematics and other subjects through applications of mathematics;
- build confidence and foster interest in mathematics.

The concepts and skills covered in the syllabus are organised along 3 content strands: Number and Algebra, Geometry and Measurement, Statistics and Probability.

GCE N-Level Exam Format

Paper	Duration	Marks	Weighting	No. of Questions
Paper 1	2 h	80	50%	Answer all questions; 22 - 25 short structured questions.
Paper 2	2 h	60	50%	Answer all questions in Section A (10 questions) and one question in Section B.

Science (Physics and Chemistry) (Code:5105)

The N-Level Science (Physics) syllabus provides students with a coherent understanding of energy, matter, and their interrelationships. It focuses on investigating natural phenomena and then applying patterns, models (including mathematical ones), principles, theories and laws to explain the physical behaviour of the universe. The theories and concepts presented in this syllabus belong to a branch of physics commonly referred to as classical physics. Modern physics, developed to explain the quantum properties at the atomic and sub-atomic level, is built on knowledge of these classical theories and concepts.

The syllabus is organised based on:

- Measurement
- Newtonian Mechanics
- Thermal Physics
- Waves
- Electricity and Magnetism

The N-Level Science (Chemistry) syllabus is designed to place less emphasis on factual materials and greater emphasis on the understanding and application of scientific concepts and principles. This approach has been adapted in recognition of the need for students to develop skills that will be of long-term value in an increasingly technological world rather than focusing on large quantities of factual materials, which may have only short-term relevance.

The syllabus is organised based on:

- Experimental Chemistry
- Atomic Structure and Stoichiometry
- Chemistry of Reactions
- Periodicity
- Atmosphere
- Organic Chemistry

GCE N-Level Exam Format

Paper	Duration	Marks	Weighting
Paper 1 (Physics): MCQ	1 h 15 min	20	20%
Paper 2 (Physics): Structured		30	30%
Paper 3 (Chemistry): MCQ	1 h 15 min	20	20%
Paper 4 (Chemistry): Structured		30	30%

SUBJECT INFORMATION (EXPRESS)

Mother Tongue Language: Chinese (Code:1160) / Malay (Code:1148)

The main objectives in the teaching and learning of Mother Tongue Languages are:

- Students are able to listen and understand narrative, descriptive and functional texts.
- Students are able to express their views and feelings towards a more complex topic and engage in effective communications.
- Students are able to read and understand narrative, descriptive, argumentative and functional texts, as well as engage in literary appreciation.
- Students are able to write narrative, descriptive, argumentative and functional writings, as well as creative writings.

GCE O-Level Exam Format

Paper	Duration	Marks	Weighting	Content
Paper 1	2 h	60	30%	<ul style="list-style-type: none"> • Functional Writing • Composition
Paper 2	1 h 30 min	70	35%	<ul style="list-style-type: none"> • Language Usage • Comprehension 1 • Comprehension 2
Paper 3	15 min 30 min	50 20	25% 10%	<ul style="list-style-type: none"> • Oral Examination • Listening Comprehension

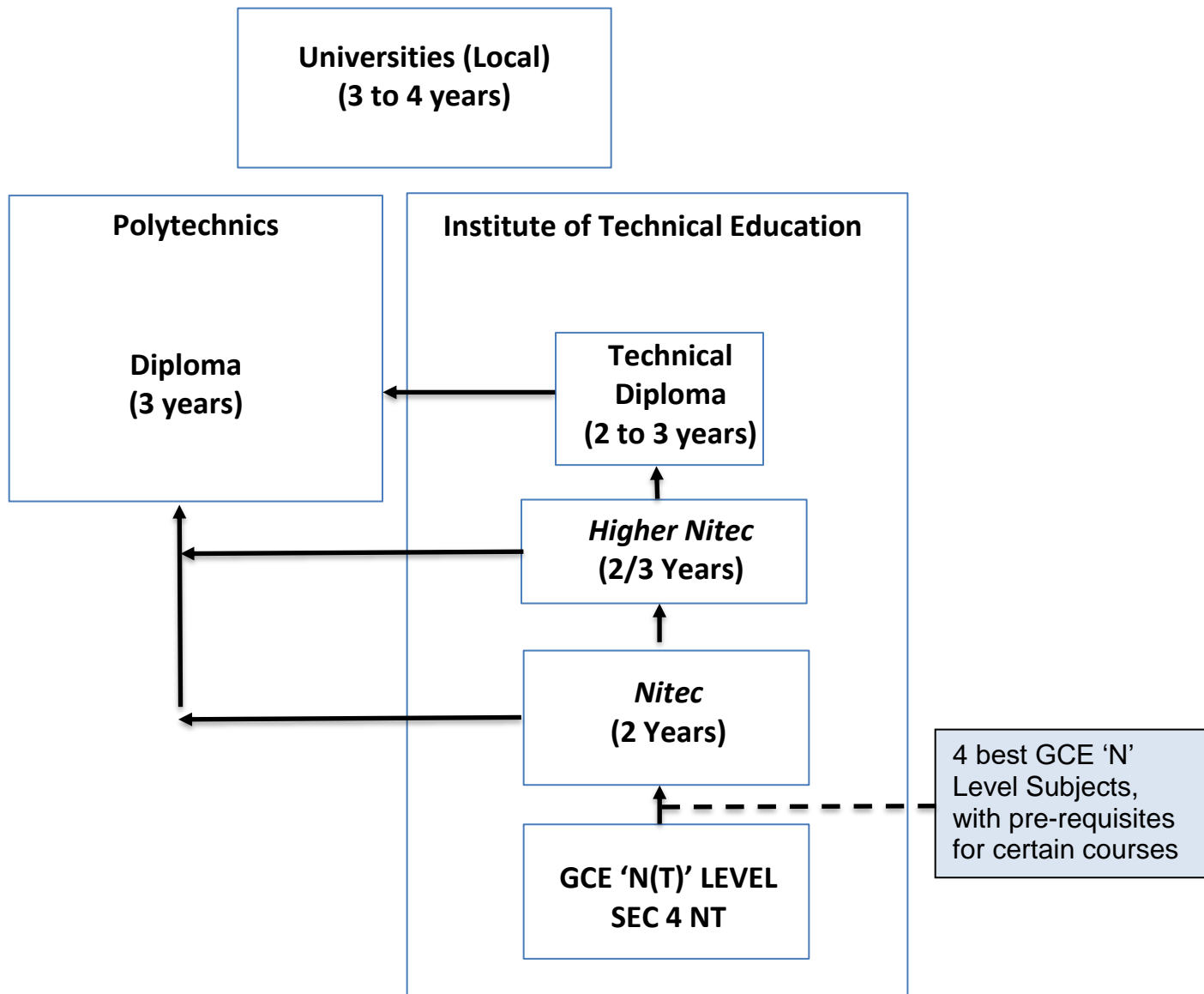
GCE 'N' AND 'O' LEVEL GRADING SYSTEM

GCE 'NT' Level		GCE 'NA' Level		GCE 'O' Level	
Grades	Marks	Grades	Marks	Grades	Marks
A	≥75	1	≥75	A1	≥75
B	70-74	2	70-74	A2	70-74
C	60-69	3	65-69	B3	65-69
D	50-59	4	60-64	B4	60-64
U	≤49	5	50-59	C5	55-59
		U	≤49	C6	50-54
				D7	45-49
				E8	40-44
				F9	≤39

THE BONUS POINT SYSTEM FOR ADMISSION TO POST-SEC INSTITUTES

SN	Types of Bonus Points	No. of Bonus Points Available	Maximum Bonus Points Allowable	
1	For students seeking admission to JC/MI/Polytechnic/ITE, with the following CCA attainments/grades: a. Excellent, A1 – A2 b. Good, B3 – C6	2 points 1 point	Limited to a maximum of <u>4 Bonus Points</u> only for these 4 sections.	Limited to a maximum of <u>6 Bonus Points</u> only.
2	For students seeking admission to JC/MI courses: a. HMTL Grade: A1 – C6 AND b. EL Grade: A1 – C6	2 points		
3	For students who choose NYJC course(s) as their: a. 1 st choice, OR b. 1 st and 2 nd choices.	2 points		
4	For students seeking admission to JC/MI courses: a. ML/CL Special Programme Grade: A1 – C6 OR b. Bahasa Indonesia (as 3 rd Lang) Grade: A1 – C6	2 points		
5	For students who had applied for the CLEP, MLEP or TLEP and have been selected for the programme.	2 points		

POST-SECONDARY EDUCATION



FREQUENTLY ASKED QUESTIONS

1. What are the demands of taking Coursework subjects such as Art and D&T?

The Coursework examination for each subject requires students to work on a long term project which begins in January of the examination year. It requires students to have good time management skills and consistent effort throughout the year.

2. What are some considerations for my child, in making the choice of Art, D&T or EBS?

These are some factors to consider:

- Interest in the subject – students tend to excel in the subjects they are interested in
- Competency in the subject – it's a good indication that students can cope with the subject at a higher level
- Understanding the demands of the subject:
 - i. Art requires observational drawing skills
 - ii. D&T requires basic isometric drawing skills
 - iii. EBS requires baseline ICT skills in MS Word, MS EXCEL and MS PPT, and a good command of English.

More information can be found at: <https://www.ite.edu.sg/courses/>