

NORMAL (TECHNICAL)



2022
SECONDARY 3
SUBJECT COMBINATION
Information Booklet

Updated April 2021

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Preface

At the end of Secondary 2 education, all students will be taking part in the Subject Combinations exercise to pursue a particular course from Secondary 3 to Secondary 4.

For the Secondary 2 students, choosing N-Level subjects is a significant phase of their Secondary School education. This information booklet is prepared with the objective of assisting parents and their daughters in making an informed decision on the Secondary 3 subject combination that best suits the child.

The information in this booklet is organised to provide information on general expectations of each N-Level subject, some post-secondary education pathways as well as possible career options for the various combinations of subjects. The information is provided with our best intentions and is accurate based on our current knowledge. However, they do not guarantee future prospects in either education or career.

We hope you find this Information Booklet useful. Please do not hesitate to clarify should you have any questions on its contents with your daughter/ward's Form Teachers. We also welcome feedback to improve on this Information Booklet.

On behalf of our teachers, we wish every student a meaningful educational journey in PLMGS (Sec) and beyond.

PART 1: SECONDARY 3 SUBJECT COMBINATION EXERCISE

The Secondary 3 Subject Combination Exercise is an important step in our students' educational journey. The first two years of education in Secondary School has allowed students to focus on a wide variety of subjects. However, as the students move towards Secondary 3, they have become better equipped to take on a more specialised course of education. Students have to make a choice on which course is best suited for them based on their competency, interest and aspirations. The streaming process will help the students make a better decision.

1.1 PROCESS

- Parents' briefing slides to be shared online in April 2021.
- With the help of the information booklet, students are advised to have an active discussion with their family.
- Upon release of overall results, students are given the confirmed Secondary 3 Subject Combination. (October 2021)

1.2 ENHANCEMENT TO THE NORMAL (TECHNICAL) COURSE

Elective Modules

Elective Modules are aimed at enriching the curriculum for the secondary N(T) students. These 20 to 30-hour elective modules will develop students' interest and strengths in specific areas. The school selects the Elective Modules, which are developed and conducted by the post-secondary educational institutions or external agencies.

Lateral Transfers from N(T) Course to N(A) Course for Top N(T) Students

There are additional pathways to allow top N(T) students to be laterally transferred to N(A) e.g. Sec 2 N(T) to Sec 2 N(A). The school will assess and offer lateral transfer to the N(A) course for N(T) students who meet the following criteria:

- Overall average score must be at least 70%
- Very good behaviour and positive learning attitude
- Strong recommendation by Form Teachers and Subject Teachers

Top Sec 4 N(T) students who perform exceptionally well in the GCE 4N(T) Examination may also have the opportunity to sit for the GCE 4N(A) Examination the following year.

SEC 3 NORMAL (TECHNICAL) SUBJECT COMBINATION IN 2022

SUBJECT COMBINATION FOR 2022
English
Mathematics
Basic Mother Tongue
Computer Applications
Science NT
Elements of Business Studies
Social Studies (Non-examinable)
7 Subjects

Points to note for all

1. Students are eligible to take the Out-of-Stream subjects (i.e. N(A)-Level subjects) if they meet the school-based criteria.
2. SBB students who are taking N(A) subject(s), to be eligible to continue taking the more demanding subject, they must obtain a **pass grade 5 (Overall)** for their Sec 2 SBB subjects that they are taking. Indicate in Annex B for her request.
3. Out-of-Stream subjects that are being offered include English Language, Mother Tongue Language, Mathematics, Science and Humanities subjects.
4. Students who are interested to take the more demanding subject(s) must submit Annex B.

PART 2: SUBJECT INFORMATION

The following information on the respective subjects offered in Upper Secondary is extracted from the N-level syllabi provided by MOE.

2.1 ENGLISH [Syllabus 1195]

SCHEME OF ASSESSMENT - NORMAL (TECHNICAL)

Paper	Type of Paper	Duration	Marks	Weighting
1	Writing	1h 15min	60	30%
2	Language Use and Comprehension	1h 20min	80	40%
3	Listening	45min	20	10%
4	Oral Communication	20min	40	20%
	Total		200	100%

SUBJECT CONTENT FOR NORMAL TECHNICAL STREAM

Paper 1 Writing	<u>Section A</u> Functional Tasks <u>Section B</u> Guided Writing
Paper 2 Language Use and Comprehension	<u>Section A</u> Language Use <u>Section B</u> Reading Comprehension
Paper 3 Listening	Candidates complete a variety of listening tasks.
Paper 4 Oral Communication	The two parts are thematically linked. Part 1 – Reading Aloud Part 2 – Spoken Interaction

2.2 BASIC MOTHER TONGUE (BCL/BML/BTL)

Basic Chinese Language - (考试大纲) Syllabus [1202]

Paper 1	Type of Papers	Marks (Weighting)	Duration
1 试卷一	Language use and Comprehension 语文理解与应用： • 语文应用 (多项选择) • 阅读理解一 (多项选择) • 阅读理解二 (多项选择、自由作答)	30 marks (30%) 10% 10% 10%	50 min
2 试卷二	Oral 口试： • Reading 朗读短文 • Conversation 会话	50 marks (50%) 20% 30%	10 - 15 min
3 试卷三	Listening Comprehension 听力测验 (多项选择)	20 marks (20%)	30 min

Basic Malay Language [Syllabus 1203]

Kertas (Masa)	Komponen	Jenis Item	Bilangan Item	Markah	Timbangan	Penerangan
1 (50 min)	Penggunaan Bahasa dan Kefahaman <u>Bahagian A</u> -Ujian Kloz <u>Bahagian B</u> - Kefahaman 1 - Kefahaman 2	MCQ	5	10	10%	Perkataan yang diuji merupakan item-item bahasa. 2 teks pendek* 1 teks* *Teks berdasarkan bahan autentik.
		MCQ	5	10	10%	
		MCQ	2	4	4%	
		Respons bebas	2	6	6%	
2 (10 min)	<u>Bahagian A</u> - Bacaan Nyaring <u>Bahagian B</u> -Perbualan		(2)	(50)	(50%)	Calon dikehendaki membaca dengan lantang petikan karangan yang diberikan. Calon dikehendaki menonton video pendek dan berbual dengan pemeriksa lisan berdasarkan tema video yang telah ditonton.
			1	20	20%	
			1	30	30%	
3 (30 min)	Kefahaman Mendengar	MCQ	(10) 10	(20) 20	(20%) 20%	7 petikan autentik termasuk 4 petikan pendek akan diberikan; 1 solan bagi setiap petikan pendek.

Basic Tamil Language [Syllabus 1204]

Paper	Type of Papers	Marks (Weighting)	Duration
தாள் 1	<p>கருத்தறிதலும் மொழிப் பயன்பாடும்</p> <p>‘அ’ பிரிவு</p> <p>* முன்னுணர்வுக் கருத்தறிதல் 1 & 2 - 2 சிறிய பனுவல்கள் (மொழிப்பயன்பாடு) (5 வினாக்கள்)</p> <p>‘ஆ’ பிரிவு</p> <p>* கருத்தறிதல் 3 - 2 சிறிய பனுவல்கள் (5 வினாக்கள்)</p> <p>* கருத்தறிதல் 4 - 1 சிறிய பனுவல் (2 வினாக்கள்)</p> <p>* கருத்தறிதல் 5 - தெரிவுவிடை & சுயவிடை வினாக்கள் (2 வினாக்கள்)</p>	<p>30 marks (30%)</p> <p>10 ம (10)</p> <p>10 ம (10)</p> <p>4 ம (4)</p> <p>6 ம (6)</p>	50 min
தாள் 2	<p>வாய்மொழி</p> <p>* வாய்விட்டு வாசித்தல்</p> <p>* உரையாடல் (ஒளிக்காட்சி ஊக்கக்கூறையொட்டி அமைதல்)</p>	<p>50 marks (50%)</p> <p>20 ம (20)</p> <p>30 ம (30)</p>	10-15 min
தாள் 3	<p>கேட்டல் கருத்தறிதல்</p> <p>* கேட்டல் கருத்தறிதல் (10 வினாக்கள்)</p>	<p>20 marks (20%)</p> <p>20 ம (20)</p>	30 min

2.3 MATHEMATICS SYLLABUS T [Syllabus 4046]

SCHEME OF ASSESSMENT

Paper	Description	Duration	Marks	Weighting
1	<p>There will be 11 to 13 short questions carrying 2 to 4 marks, largely free from context, testing more on fundamental concepts and skills, followed by 2 longer questions carrying 6 to 8 marks, developed around a context.</p> <p>Students are required to answer all questions, which will cover topics from the following strands:</p> <ul style="list-style-type: none"> • Number & Algebra • Geometry & Measurement • Real-world contexts related to Number & Algebra and Geometry & Measurement 	1½ hours	50	50%
2	<p>There will be 11 to 13 short questions carrying 2 to 4 marks, largely free from context, testing more on fundamental concepts and skills, followed by 2 longer questions carrying 6 to 8 marks, developed around a context.</p> <p>Students are required to answer all questions, which will cover topics from the following strands:</p> <ul style="list-style-type: none"> • Number & Algebra • Statistics & Probability • Real-world contexts related to Number & Algebra and Statistics & Probability 	1½ hours	50	50%

SUBJECT CONTENT

Numbers & Algebra	Geometry & Measurement
N1 Numbers and their operations	G1 Angles, triangles and polygons
N2 Ratio and proportion	G2 Symmetry, congruence and similarity
N3 Percentage	G3 Pythagoras' theorem and trigonometry
N4 Rate and speed	G4 Mensuration
N5 Algebraic expressions and formulae	Statistics & Probability
N6 Functions and graphs	S1 Data analysis
N7 Solutions of equations	S2 Probability
	Real-World Contexts
	R1 Problems derived from real-world contexts

Additional Information

A student will be given a choice to take Mathematics Syllabus A [i.e. GCE N(A) Mathematics] if an overall grade 1 is obtained for Mathematics in Sec 2. However, there is **no** conversion of grades from the N(A) grading system to the N(T) grading system. For example, if a student takes Mathematics Syllabus A as an examination subject and obtains grade 3 in the N(A) grading system, this grade of 3 will **not** be converted to grade A or B in the N(T) grading system. Hence, it is advisable for a student to offer Mathematics Syllabus T [i.e. GCE N(T) Mathematics] and excel in the subject to pursue a post-secondary education.

2.4 COMPUTER APPLICATIONS (CPA) [Syllabus 7018]

SCHEME OF ASSESSMENT

Paper	Description	Duration	Marks	Weighting
1	Written Exam <u>Section A (20 marks)</u> 20 multiple-choice questions <u>Section B (40 marks)</u> Variable number of short-structured questions	1¼ hours	60	30%
2	Lab-Based Exam 3 related tasks on the following modules: <ul style="list-style-type: none"> • Media Elements • Document Processing • Interactive Multimedia Communication 	1½ hours	70	35%
3	Lab-Based Exam 2 problem scenarios on the following modules: <ul style="list-style-type: none"> • Spreadsheets • Media Elements • Animation and Game Making 	1½ hours	70	35%

SUBJECT CONTENT

(1) Computer Fundamentals	(4) Spreadsheets
1.1 Computer systems	4.1 Data display
1.2 Computer operations	4.2 Data values
1.3 Computer software	4.3 Data analysis
1.4 Impact of computer technology	4.4 Programme elements
1.5 Computer abuse and misuse	(5) Multimedia Communication
(2) Media Elements	5.1 Multimedia
2.1 Vector graphics	5.2 Storyboarding
2.2 Bitmap graphics	5.3 Navigation
2.3 Video and audio	(6) Media Computing
2.4 3D drawing	6.1 Animation
(3) Document Processing	6.2 Storytelling
3.1 Text and images	6.3 Scripting
3.2 Page properties	6.4 Interaction
3.3 Text formatting	6.5 Game development
3.4 Tables	

Additional Information

The Computer Applications syllabus teaches the students to use various software applications as well as programming concepts. Students also gain awareness of the ethical, legal and security issues relating to the use of computers. They will learn to recognise the impact of ICT on society and people and develop basic computational thinking and problem-solving skills

2.5 SCIENCE SYLLABUS T [Syllabus 5148]

SCHEME OF ASSESSMENT

Paper	Description	Duration	Marks	Weighting
1	Multiple Choice Paper 1 will carry 40 marks and consist of 40 compulsory multiple-choice items.	1 h	40	40%
2	Short-answer or Structured Paper 2 will carry 60 marks and consist of a variable number of compulsory short-answer or structured questions. One of the questions is a data response question, requiring candidates to interpret, evaluate or solve problems using data and/or observations. This question will carry 8–12 marks.	1 h 15 min	60	60%

SUBJECT CONTENT

Module	Topics
I. Gadgets Work Wonders (II)	1.1 Energy and its Uses
	1.2 Energy transfer through Waves
	1.3 Effects of Forces
	1.4 Electricity
	1.5 Sources of Electricity
II. Food Matters	2.1 Sources of Food
	2.2 Food Chemistry
	2.3 Food Health and Safety
III. Wonders of My Body (II)	3.1 Digestion
	3.2 Breathing
	3.3 Fitness and Cardiac Health
	3.4 Staying Healthy

(This information from SEAB is accurate as of March 2021)

2.6 ELEMENTS OF BUSINESS SKILLS (EBS) [Syllabus 7066]

SCHEME OF ASSESSMENT

Paper	Description	Duration	Weighting
1	<p>Written Exam</p> <p>There will be 4 compulsory questions from Units 1 to 3 of the syllabus, comprising short response and structured questions:</p> <ul style="list-style-type: none"> (i) with helping words; (ii) requiring short answers, not necessarily in complete sentences. 	1½ hours	60%
2	<p>Coursework</p> <p>The coursework requires candidates to conduct a business investigation, making use of content and skills acquired from Units 1 to 4 of the syllabus.</p> <p>Candidates in a class are required to choose different businesses in the selected service industry.</p> <p>A total of 20 hours must be assigned during curriculum time to facilitate the completion of the coursework.</p>	20 hours of curriculum time over 10 to 14 weeks	40%

SUBJECT CONTENT

(1) Understanding Business Activities	(3) Customer Relations
1.1 Introduction to business	3.1 Communicating with the customer
1.2 Businesses in the Singapore service industry	3.2 Customer service
1.3 Careers and career paths in the travel and tourism, hospitality and retail industries	(4) Business Investigation (Paper 2)
(2) Basic Marketing	4.1 BI process for decision making
2.1 Introduction to marketing	
2.2 Know your customers	
2.3 The Marketing Mix	

Additional Information

This syllabus aims to develop in students the knowledge, skills and attitudes to be productive employees and contributing members of society as the services sector continues to contribute to Singapore's economic growth and offer employment opportunities. This syllabus provides students with opportunities to develop generic employability skills, values and attitudes and foundational knowledge for work in the services sector, namely in the travel and tourism, hospitality and retail industries.

This syllabus is an introduction to business through an understanding of business activities, focusing on basic marketing and customer relations. These are learnt in the context of businesses in the travel and tourism, hospitality and retail industries, which offer employment opportunities accessible to the students. The context of knowledge and application is in the local situation in Singapore.

The syllabus also provides students with the foundation for further studies at institutes of higher learning and through this course of study, students become aware of the prospects and challenges of a career in the services sector.

Part 3: INFORMATION

3.1 INFORMATION ON THE INSTITUTE OF TECHNICAL EDUCATION (ITE)

ITE training has become a very practical and viable alternative route to tertiary education. At every course level, the ITE has created opportunities for graduates to progress to higher-level training both internally and externally.

Nitec graduates with good grade point average (GPA) may apply for progression to the first year of a relevant *Higher Nitec* course, or even to the second year, depending on the progression criteria.

For more information, visit
<https://www.ite.edu.sg/admissions/full-time-courses/nitec/academic-progression>

or scan the QR-code on the right with any mobile device connected to the Internet.



3.2 Entry Requirements and Cut-Off Points for NITEC Courses

The indicative cut-off points (COP) [the aggregate points of the last applicant posted to the course based on best 4 GCE N-Level subjects] including pre-requisites and bonus points under the January 2021 intake can be viewed at page 14 of the ITE Intake Admission Booklet at

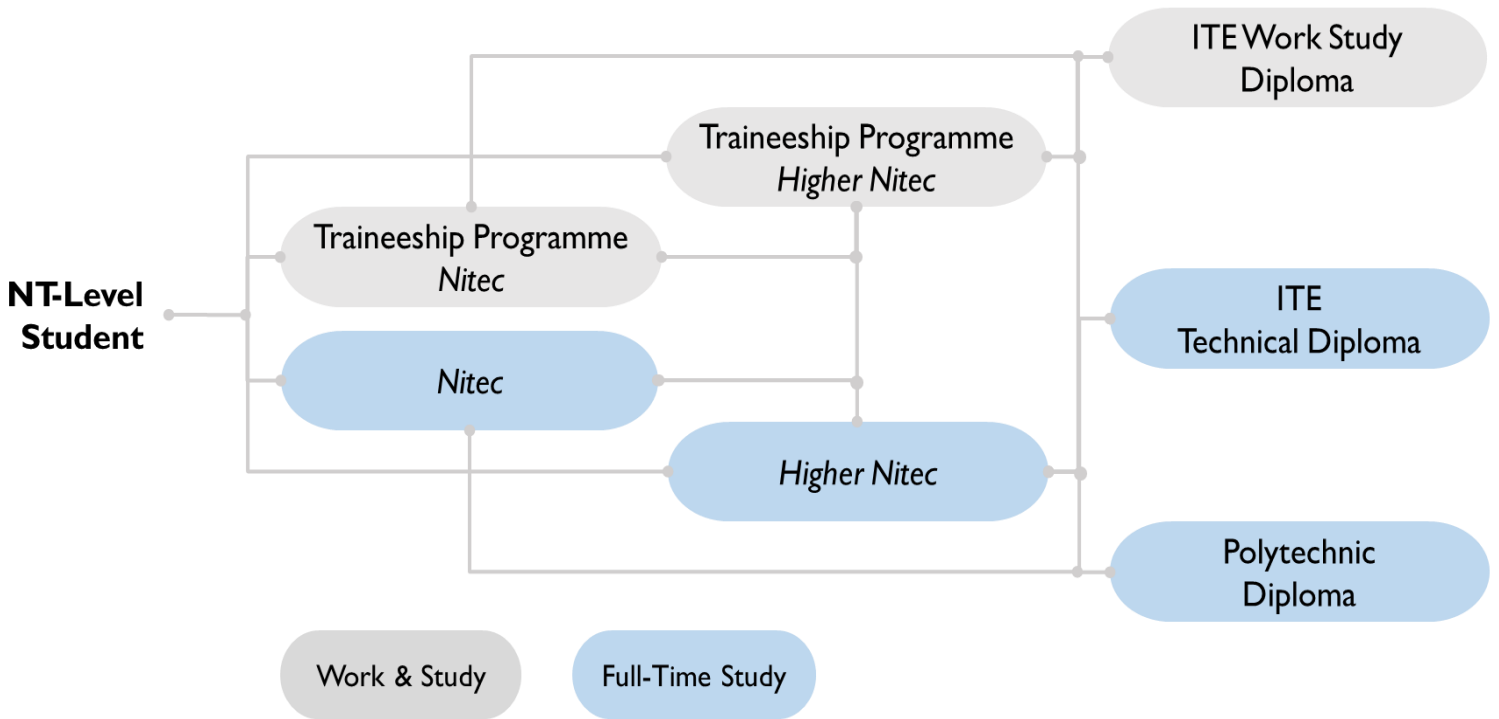
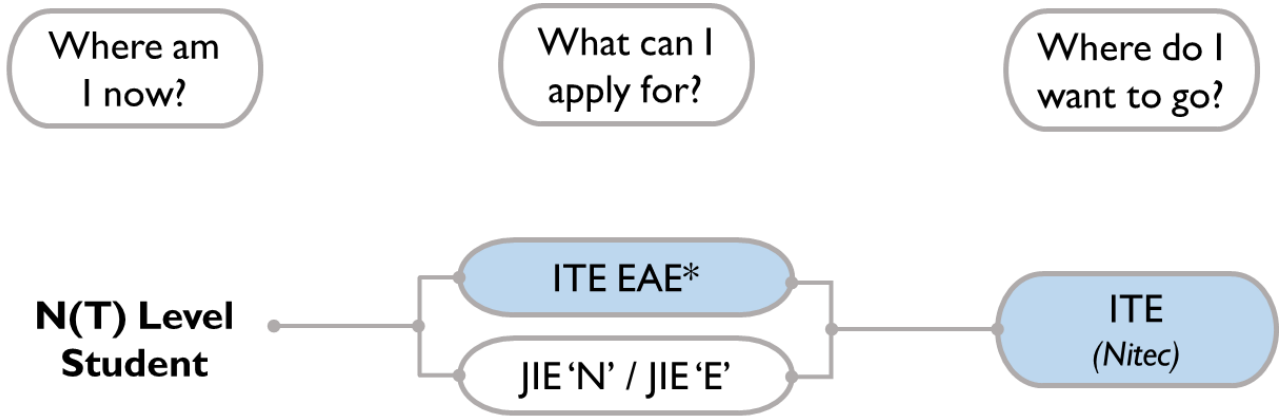
<https://www.ite.edu.sg/docs/default-source/admissions-docs/full-time/publications/admission-booklet/gce-n-admission-booklet-2021.pdf>

or simply by scanning the QR-code on the right.



Do take time to read up the contents of the ITE Admission Booklet to give your child a head start in planning her next stage of education!

3.3 INFORMATION ON PSEI EDUCATION PATHWAYS



Course Prospectus: Information on Course Overview, Entry Requirements, Education Progression, Career Prospects etc.

ITE Course Prospectus for *Nitec* and *Higher Nitec* courses

Look under 'Progression Opportunities' for each *Nitec* course for progression to *Higher Nitec* and/or Polytechnic [subject to meeting requirements] <https://bit.ly/ITE-Prospectus2021>

School Admission: Information on how to gain entry into ITE – How to Apply, Entry Requirements and FAQs

Admission Exercise	ITE Early Admission Exercise ITE-EAE	Joint Intake Exercise 'Enhanced' JIE 'E'	Joint Intake Exercise 'Nitec' JIE 'N'	Joint Intake Exercise Traineeship Training System
Admission Period	Before release of N level results [Middle/End May]	Upon release of N level results [Dec]	Upon release of N level results [Dec]	Upon release of N level results [Dec]
Information	Conditional offer based on aptitude and interests prior to receiving GCE N level examination results.	Merit Based admission for students with 0 to 1 NT Pass.	Merit-based admission for students with ≥ 2 NT Passes.	Work and Study Programme.
Website	https://bit.ly/ITE_EAE_Nitec	https://bit.ly/JIE-Booklet2021 Refer to JIE N Booklet for Entry Requirements, Computation of ITE and Aggregate Points for NA Subjects		

3.4 CONTACT US

School General Office Tel: 62816606

Our School Website: www.plmgss.moe.edu.sg

IP Dean

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Year Head

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Sec 2 Year Coordinator

<i>Mdm Nur Zetty</i>	<i>nur_zetty_abd_kadir@moe.edu.sg</i>
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Sec 2 Asst Year Coordinator

<i>Ms Eileen Sin</i>	<i>eileen_sin_yu_ling@moe.edu.sg</i>
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Sec 2.8 Form Teachers

Class	Teachers	Email
2.8 (NT)	<i>Ms Lim Chinn Lynette</i>	<i>chinn_lynette_lim@moe.edu.sg</i>
	<i>Mrs Ambika Nair</i>	<i>ambika_nair@moe.edu.sg</i>
	<i>Ms Yu Lingling</i>	<i>yu_ling_ling@moe.edu.sg</i>