Peirce Secondary School

SECONDARY 2 SUBJECT OPTIONS EXERCISE (SSOE) 2026

INFORMATION BOOKLET
for
Secondary 3 (2027)
For students offering mostly G3 subjects

GENERAL INFORMATION

This booklet provides important information to help parents and students make informed decisions about the G3 subjects to be taken in 2027.

1. Subject Options Exercise will be conducted after the release of the year-end examination results.
2. Students will participate in a **trial** Subject Options Exercise at the end of Term 2.
3. Students will be briefed on the finalised subject combinations in Term 4.
4. Students will be allocated their subject combinations based on their Sec 2 Overall results.

Instructions for the Online Subject Options Exercise
1. Students will be given a link to an "All Ears" form, which they will access by logging in with their MIMS login ID.
2. Students are required to rank their preferred subject combinations (first to third choice) from a list of available options.
3. Multiple submissions are allowed. Only the final submission will be recorded by the system.

Submission of Option Forms and Release of Subject Options Exercise Results

1. Parents are advised to carefully consider their child's choice of subject combinations before completion the option form.
2. The results of the Subjects Options Exercise will be released within a few weeks after the exercise.
3. Parents will be able to view their child's allocated subjects via a link to an "All Ears" form, which requires their child to login in using their MIMS login ID.
4. Appeals
    - All appeals will only be considered **after** the Subject Options Exercise has been completed and the results have been released.
    - Appeals must then be **submitted through** a link provided in the "All Ears" form when they view their results.
    - Appeals will only be considered if they do not contradict the established school policy on subject options.
    - All appeals will be reviewed on a case-by-case basis.
    - The outcomes of the appeals will be confirmed and made known to applicants by the end of November. Applicants may check the outcomes of their appeals via the "All Ears" form.
    - The school's decision will be final, and no further appeals will be considered.

School Policy on Subject Options

1. The school reserves the right to nake the final decision on the subject combination offered.
2. Compulsory subjects for all students are:
    a. English Language,
    b. Mathematics,
    c. Mother Tongue Language,
    d. Combined Humanities (Social Studies + Geography or History),
    e. At least 1 Science subject.

Subject	Subject Pre-Requisites and Additional Conditions
MATHEMATICS	
Additional Mathematics	At least a B4 in Sec 2 G3 Mathematics
SCIENCES	
Double Pure Science	At least a B4 in Sec 2 G3 Science
HUMANITIES	
Geography	At least a B3 in Sec 2 G3 Geography & must NOT be offered with Humanities (Geography).
History	At least a B3 in Sec 2 G3 History & must NOT be offered with Humanities (History)
Humanities (Geography & Social Studies)	Must NOT be offered with Geography
Humanities (History & Social Studies)	Must NOT be offered with History
Literature	At least a B3 in Sec 2 G3 Literature and English Language
COURSEWORK	
Design & Technology	At least 60 marks in Sec 2 Design & Technology Maximum Class Size: 20
Art	At least 60 marks in Sec 2 Art Maximum Class Size: 20
Nutrition & Food Science	At least 60 marks in Sec 2 Food & Consumer Education Maximum Class Size: 20
OTHERS	
Computing	At least a B4 in Sec 2 G3 Mathematics

3. Students will be allocated their subject combinations based on the following considerations:
    a. **Subject-specific criteria** (eligibility for certain subjects will be determined based on the student's overall results in the relevant subject)
    b. If the demand for a subject combination exceeds the available vacancies, priority will be given based on the following considerations (in order of importance):
        i. Order of Choice (first choice will be considered first)
        ii. Order of Merit (subject-specific)
        iii. Order of Merit (overall performance across all subjects)
4. Subject Options Committee will endeavour to accommodate students' requests whenever possible, taking into account students' suitability and ability to cope with the subject combination.
5. Students who do not meet the prerequisites for any of the selected combinations, will be assigned subject combinations based on their strengths.

G3 Subject Combination Options Summary 2027

For students offering mostly G3 subjects – 7 subjects							
	Subject 1	**Subject 2**	**Subject 3**	**Subject 4**	**Subject 5**	**Subject 6**	**Subject 7**
Option 1 Pure Sciences	EL	HMT / MT	Maths	SS/Geo or SS/His	Chemistry	A Maths	Physics or Biology
Option 2 A Maths + Elective	EL	HMT / MT	Maths	SS/Geo or SS/His	Sci(P/C) or Sci (C/B)	A Maths	Select **One**: a) Computing b) Pure Geo c) Pure His d) Pure Lit e) D&T f) NFS g) Art
Option 3 POA + Elective	EL	HMT / MT	Maths	SS/Geo or SS/His	Sci(P/C) or Sci (C/B)	POA	

Note

1. Subject combination options may be adjusted in Semester 2.

Legend

1. EL – English Language
2. MT – Mother Tongue
3. HMT – Higher Mother Tongue
4. SS – Social Studies
5. Geo – Geography
6. His – History
7. Lit – Literature
8. Sci (P/C) – Science (Physics/Chemistry)
9. Sci (C/B) – Science (Chemistry/Biology)
10. A Maths – Additional Mathematics
11. POA – Principles of Accounts
12. D&T – Design and Technology
13. NFS – Nutrition and Food Science

SUBJECT-SPECIFIC INFORMATION

SCIENCES

Brief Description
All students are required to study at least one Science subject. There are 3 basic branches of Science:

1. *Physics* – Physics is concerned with the fundamental principles that govern the natural world. It deals with matter and energy, their interactions, and the analysis of systems using underlying physical laws and principles.
2. *Chemistry* – Chemistry focuses on the composition, structure, properties, and interactions of matter. It examines how substances transform through chemical reactions and how these processes relate to materials encountered in everyday life.
3. *Biology* – Biology is the study of life. It focuses on the characteristics, classification, and behaviour of living organisms, how species arise, and how organisms interact with one another and with their environment.

Students may opt to do:
- Two Pure Science subjects (Chemistry and either Physics or Biology), or
- One Combined Science subject from Science (Physics/Chemistry) or Science (Chemistry/Biology)

Students who intend to pursue Pure Science subjects should note that the level of rigour is higher. Students must have a strong interest in Science and a positive learning attitude. Students opting for Pure Science subjects must obtain at least a **B4 in G3 Science** at Secondary 2.

Physics	**Chemistry**	**Biology**
Examination Requirements Singapore-Cambridge Secondary Education Certificate (SEC) Examination for Pure Science subjects comprises: • Paper 1 : Multiple-choice • Paper 2 : Structured & Free Response • Paper 3 : Practical Assessment		

Science (Physics/Chemistry)	**Science (Chemistry/Biology)**
Examination Requirements SEC Examination for Combined Science comprises: • Paper 1 : Multiple-choice Questions • Paper 2 : Structured and Free Response (Physics) • Paper 3 : Structured and Free Response (Chemistry) • Paper 4 : Structured and Free Response (Biology) • Paper 5 : Practical Assessment Students taking Science (Physics/ Chemistry) will sit for Papers 1, 2, 3 and 5. Students taking Science (Chemistry/ Biology) will sit for Papers 1, 3, 4 and 5.	

Post-Secondary Options
Science subjects at the secondary level open up many options for students in their next phase of education.

Students who have studied Physics, either as part of Combined Science or as a Pure Science subject, will be well-positioned to pursue STEM-related courses at the tertiary level.

Students with a background in Biology will have a distinct advantage if they choose to pursue courses related to biological science, life sciences or pharmaceuticals in the future.

Chemistry is a prerequisite for Life Sciences and medicine-related degree programmes at the university level. It is also an essential subject for many applied science and engineering courses.

MATHEMATICS

Additional Mathematics

Brief Description
Additional Mathematics, consists of 3 sections:

a. Algebra – This is an important branch of Mathematics that has strong links with all other branches of Mathematics. It will provide students with the language and tools to represent abstract ideas, relationships and patterns using concise symbols.

b. Geometry and Trigonometry – Geometry deals with points, lines (curves) and angles as well as their relationships and links. The learning of Geometry helps students develop the spatial visualisation skills, which complement and support the mathematical skills from other branches of Mathematics. Trigonometry supports the learning of Geometry and is important in the studies of periodic behaviour, phenomena and models that they may encounter in higher learning.

c. Calculus – Calculus is an important branch of Mathematics and deals with the concept of change. It is used in many fields of study including the physical sciences, computer science, economics, business, engineering and medicine. It deals with abstract concepts and processes involving infinitesimal quantities and changes and limiting operations. As such, this section demands a strong foundation in Algebra and Geometry from the student.

Prerequisites
Students who have obtained **B4 in G3 Mathematics** at Secondary 2 can consider opting for SEC Additional Mathematics. In addition, a hardworking attitude and much perseverance is needed because Additional Mathematics requires regular work and much practice to master. The student also has to be strong in Algebra and Geometry to cope with the subject.

Post-Secondary Options
The syllabus will prepare you for 'A' Level H2 Mathematics and H3 Mathematics, which builds a strong foundation in algebraic manipulation and mathematical reasoning skills.

In addition, many courses[1] in the polytechnics also require students to have a strong foundation in Mathematics. While students with Additional Mathematics background may cope with the courses better, most of these courses do not require Additional Mathematics as a prerequisite.

[1] Most of the polytechnic courses, especially courses from the Engineering, IT, Applied Sciences, Digital Media and Design schools in the polytechnics, require students to have a strong foundation in Mathematics. The exceptions are courses from Business, Mass Communications and other related courses.

HUMANITIES

Humanities is a compulsory subject. It consists of **Social Studies** and an elective, which can be Geography Elective or History Elective. Below are the description of the electives.

Geography Elective (Not to be offered with Pure Geography)	**History Elective** (Not to be offered with Pure History)
Geography Elective is offered as an elective component together of Humanities. It is taken together with the compulsory component, Social Studies. **Brief Description** The Geography Elective involves the study of both Physical and Human Geography. Students will learn about the world's human and physical features and the relationships between people, places and the earth. It shows how the world is connected and how the occurrence of one event in one place affects a person's life in another place. It is a study of the surface of the earth, its diverse landscapes, human activities, and how we can sustainably manage the environment. Students will learn: • the features and formation of landforms in the physical landscape • the relationships between people and their environment • the development and sustainable management of the physical and human environments • case studies of different physical-human relationships • Geographical skills in context of the physical and human environment **For students who…** have a keen interest in seeking an understanding of the surroundings and happenings and the inter-relationships between people and the environment. **Post-Secondary Options** Students can continue to pursue the subject in greater depth as an 'A' Level subject. Students seeking admission to Junior Colleges (JCs) will need to include the Humanities grade in their L1R4 aggregate computation. For application to Business-related Polytechnic courses, Humanities counts as one of the relevant subjects in computing the ELR2B2 aggregate.	History Elective is offered as an elective component of Humanities. It is taken together with the compulsory component, Social Studies. **Brief Description** The History syllabus provides students with an understanding of the complexities of international relations. It highlights the importance of understanding and interpreting history in all its complexity – its people, events, issues, periods, turning points, themes and sources. The syllabus also equips students with the necessary skills to make reasoned and informed decisions. Students will learn: • World War I and the immediate aftermath • Peacemaking and the rise of authoritarian regimes • War in Europe and War in Asia Pacific • The outbreak and escalation of the Cold War and the end of Cold War **For students who …** • have an interest in current affairs • are interested in how human actions and political events shape our world • are able to carry out independent research and learning **Post-Secondary Options** Students can continue to pursue the subject in greater depth as an 'A' Level subject. Students seeking admission to Junior Colleges (JCs) will need to include the Humanities grade in their L1R4 aggregate computation. For application to Business-related Polytechnic courses, Humanities counts as one of the relevant subjects in the computing of the ELR2B2 aggregate.

PURE HUMANITIES

(To be offered as a second optional humanity subject)

Geography

Geography may not be offered together with Humanities Geography Elective. It is offered as a second optional Humanity subject in addition to the compulsory Humanities subject.

Brief Description

Geography involves the study of both Physical and Human Geography at a wider breadth compared to the Geography Elective subject. Students will learn about the world's human and physical features and the relationships between people, places and the earth. It shows how the world is connected and how the occurrence of one event in one place affects a person's life in another place. It is the study of the surface of the earth, its diverse landscapes, human activities, and how we can sustainably manage the environment. Specific geographical phenomena will also be explored through the case study of Singapore.

Students will learn:

- the features and formation of landforms in the physical landscape
- the relationships between people and their environments
- the development and sustainable management of the physical and human environments
- case studies of different physical-human relationships
- Geographical skills in the context of the physical and human environments
- how to manage Geographical Investigation independently

For students who…

- have obtained **B3 for G3 Geography** at Secondary 2.
- have a keen interest in seeking an understanding of the surroundings and happenings and the inter-relationships between people as well as the environment.

Post-Secondary Options

Students can continue to pursue Geography in greater depth as an 'A' Level subject. Secondary school Geography provides foundational knowledge in the study of Geography at H2 or H3 level, in Junior Colleges (JCs). Students seeking admission to JCs or Millennia Institute (MI) can include the Geography grade for their L1R5 or L1R4 aggregate computation respectively. Geography counts as a relevant subject in the computing of the ELR2B2 aggregate for Business-related courses in Polytechnics.

History

History may not be offered together with Humanities History Elective. It is offered as a second optional Humanity subject in addition to the compulsory Humanities subject.

Brief Description

The History syllabus provides students with an understanding of the complexities of international relations. It highlights the importance of understanding and interpreting history in all its complexity – its people, events, issues, periods, turning points, themes and sources. The syllabus also equips students with the necessary skills to make reasoned and informed decisions.

Students will learn:

- World War I and the immediate aftermath
- Peacemaking and the rise of authoritarian regimes
- War in Europe and War in Asia Pacific
- The outbreak and escalation of the Cold War and the end of Cold War
- Case study of British colonial rule in Malaya and French colonial rule in Vietnam
- Decolonisation of British colonial rule in Malaya and French colonial rule in Vietnam

For students who…

- have obtained **B3 for G3 History** at Secondary 2.
- have an interest in current affairs
- are interested in how human actions and political events shape our world
- are able to carry out independent research and learning

Post-Secondary Options

Students can continue to pursue History in greater depth as an 'A' Level subject. Secondary school History provides foundational knowledge in the study of History at H2 or H3 level, in Junior Colleges (JCs). Students seeking admission to JCs or Millennia Institute (MI) can include the History grade for their L1R5 or L1R4 aggregate computation respectively. History counts as a relevant subject in the computing of the ELR2B2 aggregate for Business-related courses in Polytechnics.

Literature in English

Literature in English is offered as a second optional Humanity subject for students offering mostly G3 subjects in addition to the compulsory Humanities subject.

The study of Literature offers a window to the exploration of areas of human concern and hence contributes to one's understanding of self and others. The Literature syllabus aims to develop students' ability to:

- Discover the joys of reading Literature and become aware of new ways of perceiving the world around them;
- Explore the elements of different genres via the study of literary texts and understand how these function in enabling literary works to achieve their desired ends;
- Select and interpret relevant material judiciously and express ideas in coherent and clear English Language;
- Understand the importance of the contexts in which literary texts are written and understood; and

- Engage personally with texts, showing a strong intellectual and emotional awareness of themes, characters, settings and contexts.

Attendance at and participation in all supplementary and enrichment activities related to this subject (e.g. watching plays) are **compulsory**. These sessions are usually held in the afternoons, weekends and school holidays.

For students who…
- have an interest in and passion for Literature
- have obtained **B3 for G3 Literature AND B3 for G3 English Language** at Secondary 2.

Post-Secondary Options

Literature in English is a **Humanity** subject and the grade can be used in the computation of the aggregate scores for entry into Junior Colleges (JCs) and polytechnics.

Most JCs offer Literature as one of its subjects. **Literature in English** provides students with a head start in the study of Literature at the GCE 'A' Level.

COURSEWORK

Art

Brief Description
The study of Art
1) expands imagination, enhances creativity and develops adaptability,
2) builds students' capacity to critically discern and process visual information, and communicate effectively, and
3) fosters students' sense of identity, culture, and place in society

The subject content is structured around the domains of Perceiving, Communication and Appreciation. This framework provides the focus for the teaching and learning of Art.

At the lower secondary levels, Visual Art develops students' ability to explore creativity and their personal identities. Students explore different mediums of art and their unique qualities.

At the upper secondary levels, students acquire a deeper appreciation of art through:
i) Building Portfolios
ii) Art Journalling
iii) Art Conversations

The art programme strives to provide students with authentic experiential learning through programme tie-ups with external art learning institutions, practicing artists and art competitions.

This subject is suitable for students who:
- have a keen interest in Design, Fine Art, Digital and Time-based media.
- are self-directed and reflective of their artistic growth
- are thrilled to experiment with different art media and techniques

Examination Requirements
Paper 1 : Visual Response (50%)
2 hr 15 min
Section A : Visual Analysis – Analyse and discuss an unseen visual stimulus
Section B : Exploratory Sketching – Provide sketches with annotations showing their concept for the visual response

Paper 2 : Portfolio (50%)
To be completed in 30 hours within 12 weeks
Part A : Selection of Visual Materials – Maximum of 15 screens illustrating artistic exploration and processes which include at least 3 art forms and media.
Part B : Commentary – an articulation of personal artistic growth based on 2 works, in not more than 800 words

Post-Secondary Options
Students can choose to do Art as one of their 'A' Level subjects in some of the Junior Colleges. The subject also counts as one of the relevant subjects for polytechnic courses such as Architecture, Landscape Architecture and Interior Design. Students could also choose to further develop their passion in arts with Nanyang Academy of Fine Arts (NAFA) or with LASALLE-SIA College of the Arts.

Design and Technology

Design and Technology (D&T) at the upper secondary level engages students in designing and prototyping solutions to everyday problems using appropriate technology. Through the design process, students explore real-world situations, identify design opportunities, and develop practical solutions that improve aspects of everyday life.

Students apply knowledge of materials, workshop processes, mechanisms, electronics and graphical communication while developing their own design ideas. They learn to research, analyse user needs, generate and develop ideas, test solutions through mock-ups and prototypes, and realise a final design outcome. The design process encourages both rational thinking and creative exploration as students iterate between analysing needs, conceptualising ideas, developing solutions and prototyping.

Through D&T, students cultivate creative, critical and reflective thinking. They learn to exercise judgement and make informed design decisions by considering user needs, functionality, aesthetics, technology and environmental factors. Students also develop dispositions such as curiosity, perseverance and confidence when exploring design opportunities and working through the iterative design process.

In the coursework component, students undertake an individual Design Project where they document their design thinking and development in a Design Journal, supported by sketches, research findings, mock-ups and prototypes. The final design solution is communicated through Presentation Boards and realised as a working prototype or artefact.

This subject is suitable for students who:

- enjoy doodling, sketching and generating creative ideas
- are interested in designing solutions to everyday problems
- like working with materials, tools and technology to make things
- have the discipline and perseverance to work through research, idea development, prototyping and evaluation

Examination Requirements

Coursework (60%):	1 Artefact, 2 Presentation Boards & 1 Design Journal.
Theory (40%):	A 2-hour paper consisting of 2 sections.

Post-Secondary Options

Design and Technology (D&T) provides foundational knowledge for students who wish to pursue engineering or design-related courses. It is recognised as a relevant subject for admission to science-based, technology, and design programmes in local Institutes of Higher Learning.

Nutrition & Food Science

Brief Description
At lower secondary, students study Food and Consumer Education, where they learn basic knowledge about food, nutrients and healthy eating.

At upper secondary, students taking Nutrition & Food Science deepen their understanding of nutrition, diet and health, as well as food preparation and cooking principles. They apply scientific principles during food preparation and cooking, learn about nutrients and their functions, dietary needs across the life cycle, meal planning and the relationship between diet and health. Students also study food commodities such as meat, fish and seafood, eggs, dairy products, fruits and vegetables and cereals. Emphasis is also placed on food safety, hygiene and making responsible, sustainable food choices that promote health and well-being.

The coursework component involves research, planning and executing a food investigation. Students then analyse results, evaluate their findings and apply the outcomes to their practical execution exam and present their findings in a written report under supervision.

This subject is suitable for students who:

- have an interest in nutrition and health problems associated with diet
- enjoy testing and experimenting with food
- are able to carry out independent research learning
- advocates sustainable food consumption by planning and making appropriate food choices

Examination Requirements

Coursework (60%):	An assignment given at the beginning of the examination year to be completed by July of the same year. This will include conducting a food Investigation and doing a practical examination.
Theory (40%):	A 2-hour written paper consisting of three sections.

Post-Secondary Options
Pupils seeking admission to Junior Colleges or Millennia Institute may include the Nutrition & Food Science grade in the computation of their aggregate.
For applications to polytechnic courses such as Food Science, Nutrition, Culinary and Hospitality Studies, Health Sciences, or Sports and Exercise Science, Nutrition & Food Science counts as a relevant subject in the computation of the aggregate.

Computing

Computing

Brief Description
The G3 Computing curriculum aims to grow student's interest and competency in advanced computing concepts and skills. This will equip students with the necessary foundation to continue with post-secondary computing-related courses in either JC or Polytechnic.

The two-year course at the upper secondary levels is to enable students to:
1. Acquire knowledge and understanding of core areas in computing covering concepts of logic, algorithms, data analysis, data representation and networking.
2. Develop and apply computational thinking skills such as abstraction and decomposition to solve real-world problems by designing, writing, testing and debugging programs using a personal computer.
3. Develop an appreciation of computing as a dynamic and creative field including awareness of recent developments in computer systems.
4. Develop an understanding of the social, ethical, legal and economic implications of computing.
5. Develop attitudes and 21CC needed to do well in computing such as inventive thinking, perseverance, collaboration, communication as well as striving for accuracy and thoroughness.

Students can handle and process data in computer systems, as well as appreciate the need to be ethical when dealing with data. They will demonstrate problem-solving techniques through analysing and writing programming solutions for a range of computing problems in business, education, mathematics and science. Students will be able to demonstrate computational thinking through the design and development of programming solutions.

This syllabus comprises five modules and the units of study for each module are as listed with details below. The study is undertaken at the upper secondary levels for two years.

The five modules are: The five modules are:

Module 1: Computing Fundamentals 1.1: Computer Architecture 1.2: Data Representation 1.3: Logic Gates Module 2: Algorithms and Programming 2.1: Problem Analysis 2.2: Constructs 2.3: Python Code 2.4: Testing and Debugging 2.5: Algorithm Design 2.6: Software Engineering Module 3: Spreadsheets 3.1: Program Features 3.2: Functions	Module 4: Networking 4.1: Concepts 4.2: Home Networks and the Internet 4.3: Security and Privacy Module 5: Impact and Computing 5.1: General 5.2: Intellectual Property 5.3: Communication 5.4: Emerging Technologies

Examination Requirements
SEC Examination

Paper 1 Marks: 80 Weightings: 60%	A mixture of • Multiple choice questions (single- and multiple-answer • Short-answer questions • Matching questions • Cloze passage • Structured questions	2 hours
Paper 2 Marks: 70 Weightings: 40%	Compulsory structured questions on • One question on Spreadsheets • Four to five questions on Programming	2 hours 30 minutes

For students who…
- have an interest in and passion for Computing
- have obtained at least a **B4 for G3 Mathematics** at Secondary 2

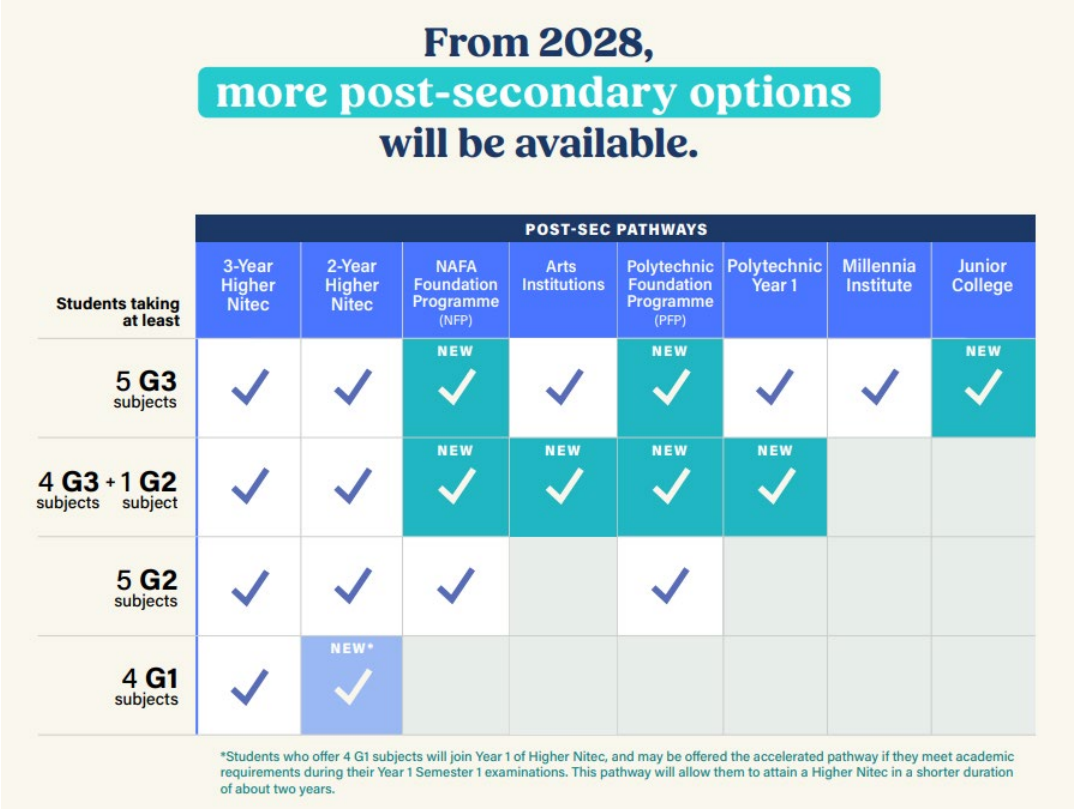
Post-Secondary Options
Students can choose to do Computing as one of their 'A' Level subjects in some of the Junior Colleges. Students seeking admission to Junior Colleges (JCs) or Millennia Institute (MI) can include the Computing grade for their L1R4 aggregate computation. For application to related polytechnic diploma courses, Computing counts as one of the relevant subjects in the computing of the ELR2B2 aggregate.

Post-Secondary Education Options

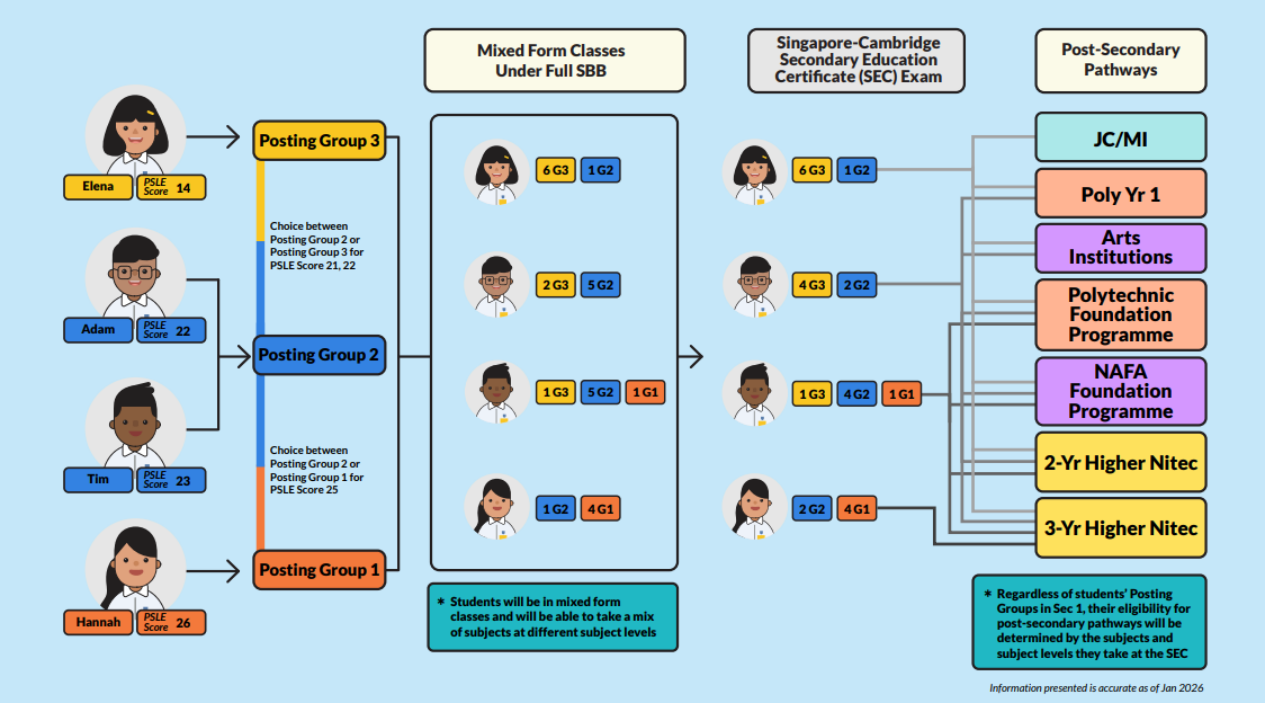
Post-Secondary Pathways under Full Subject-Based Banding (Full SBB)

Under the **Full Subject-Based Banding (Full SBB)** system, students may take subjects at different levels, **G1, G2, and G3**, based on their strengths and interests.
A student's **post-secondary pathways will depend on the number and level of subjects they take at the Singapore-Cambridge Secondary Education Certificate (SEC) examination**.

From **2028 onwards**, students will have **more flexible pathways** as the education system recognises different combinations of subject levels.



Post-Secondary Pathways Under Full SBB



Pathways for Students Taking Mainly G3 Subjects

Students who take **mostly G3 subjects** will have the **widest range of post-secondary options**.

They may progress to:

- **Junior Colleges (JC) or Millennia Institute (MI)** for pre-university education
- **Polytechnic Year 1** to pursue diploma courses
- **Polytechnic Foundation Programme (PFP)**
- **Arts Institutions** or **NAFA Foundation Programme**
- **Higher Nitec courses at ITE**

These pathways provide opportunities for both **academic and applied learning routes**.

Pre-University Education

Junior Colleges (JC)

- **Duration:** 2 years
- **Outcome:** GCE A-Level qualification
- **Nature of learning:** Academic and broad-based curriculum
- **Purpose:** Preparation for university education

Admission Requirements (From 2028 JAE)

Students must meet the **L1R4 ≤ 16** requirement based on **5 G3 subjects**.

L1R4 consists of:

- **L1:** English Language or Higher Mother Tongue
- **R1:** Humanities / Higher Art / Higher Music / Special Programme languages
- **R2:** Mathematics or Science
- **R3:** Humanities / Math / Science / relevant subjects
- **R4:** Any other O-Level subject (except Religious Knowledge)

Millennia Institute (MI)

- **Duration:** 3 years
- **Outcome:** GCE A-Level qualification
- **Nature of learning:** Similar to JC but over a longer duration

Admission Requirement
Students must obtain:
L1R4 ≤ 20 based on G3 subjects.

Subject requirements include:

- English Language
- Mother Tongue
- Mathematics or Additional Mathematics

Polytechnic Education
Overview

- **Duration:** 3 years
- **Outcome:** Diploma in a specialised field
- **Learning style:** Applied, industry-focused and project-based
- **Purpose:** Preparation for careers and university progression

Polytechnic education allows students to **specialise early in areas such as business, engineering, design, or applied sciences**.

Admission Requirements (From 2028)
Admission is based on the **ELR2B2 aggregate score ≤ 22**.

ELR2B2 consists of:

- **EL:** English Language (G3)
- **R1 & R2:** Two relevant subjects
- **B1:** Best G3 subject
- **B2:** Best G2 subject

Polytechnic courses are grouped into four aggregate types:

- **ELR2B2-A:** Humanities, Media, Business
- **ELR2B2-B:** Applied Sciences
- **ELR2B2-C:** Engineering and Technology
- **ELR2B2-D:** Design and Built Environment

Each course cluster has its own relevant subject requirements.

Polytechnic Early Admissions Exercise (EAE)
Students may apply **before their O-Level examinations**.
Key features:

- Applications open around **June**
- Students can apply for **up to 3 courses**
- Selection may include **interviews, aptitude tests, and portfolio submission**
- Offers are **conditional upon meeting ELR2B2 ≤ 22 and subject requirements**.

Polytechnic Foundation Programme (PFP)
The Polytechnic Foundation Programme is a **one-year foundation programme** that leads directly to a polytechnic diploma.

Admission Requirement
Students must achieve:
ELMAB3 ≤ 12 (based on G2 grades).

Students must also obtain:

- Grade **3 or better** in English
- Grade **3 or better** in Mathematics
- Grade **3 or better** in a relevant subject

PFP Cluster System
From **2026 onwards**, students will enter PFP through clusters:

- **Sciences**
- **Design, Engineering & Technology (DET)**
- **Humanities, Art, Media & Business (HAMB)**

Students will be posted to specific diplomas based on their interests and performance.

Institute of Technical Education (ITE)
ITE offers practice-oriented training that prepares students for industry or further studies.

Pathways
Students may enter:

- **3-year Higher Nitec (Year 2 entry)**
- **3-year Higher Nitec (Year 1 entry)**

Admission (From 2028)
Students can gain **direct entry to Higher Nitec Year 2** if they obtain:
ELMAB3 ≤ 19 (based on G2 grades).

Students offering G3 subjects will have their grades **mapped to G2 grades** for calculation.

ITE Progression Opportunities
ITE students can continue their education through:

- **ITE Work-Study Diplomas**
- **Technical Diplomas**
- **Polytechnic Diplomas**

From **AY2027**, Higher Nitec students with **GPA ≥ 3.5** are guaranteed a place in a related polytechnic diploma course.

Grade Mapping from G3 to G2 to G1			ITE Aggregate Score
G3	G2	G1	
A1 - B3	1	A	1
B4 - C6	2	A	
D7	3	A	
E8	4	B	2
9	5	C	3
-	6	D	4
-	-	E	5

Bonus Points for Admission
Bonus points may be awarded for admissions to JC, MI, Polytechnic, or ITE.
Examples include:

- **CCA achievements**
- **Language achievements (e.g. EL + Higher Mother Tongue)**

Starting in 2028, the maximum bonus points for JC admission will be reduced from 4 to 3.

ECG Resources

Parents and students may use the following resources to explore education and career pathways:

- **MySkillsFuture Portal** – Provides tools and resources to support students in planning their education and career pathways.
- **MOE CourseFinder** – Allows students to explore different post-secondary courses based on their interests and academic results.

These platforms help students make informed decisions about their post-secondary education options.

For information on other Institutions:	
LASALLE College of the Arts	www.lasalle.edu.sg
Nanyang Academy of Fine Arts	www.nafa.edu.sg
ITE Institute of Technical Education	www.ite.edu.sg
SHATEC - The International Hotel and Tourism School	www.shatec.sg
BCA Academy	https://www.bcaa.edu.sg/home