2026 Sec 2 Parents Engagement Session

PUNGGOL SECONDARY SCHOOL

ACHIEVERS WITH CHARACTER

Goals of Education & Career Guidance (ECG)

Discovering purpose

- Who am I?

Nurture students' self-awareness to support them in discovering how they can meaningfully play a part in their community.

Exploring opportunities

- Where do I want to go?

Develop students' self-directedness and confidence to explore and leverage education and career opportunities while respecting the value of all occupations.

Staying relevant

- How do I get there?

Build students' adaptability and resilience to embrace the need for lifelong learning.

Who am I? (Discovering Purpose)

I need to understand myself better.

The more I know, the better I will be at making informed choices.

Where do I want to go? (Exploring Opportunities)

Many pathways are worth taking.

I need to explore viable education and career options, set goals and make plans.

How do I get there? (Staying Relevant)

There are no dead ends.

I can make informed decisions and develop plans to pursue my aspirations through different routes.

Secondary school experience under Full SBB

Secondary school experience

1. Mixed form classes upon entering secondary school
2. Common curriculum subjects at lower secondary
3. Subjects to be offered at G1, G2 or G3, mapped from the standards of the N(T), N(A) and Express respectively
4. Greater flexibility to offer subjects at various subject levels
5. Shift away from stream-based subject offerings

Entry to Secondary 1

Through Posting Groups (i.e., Posting Group 1, 2 or 3)

Singapore-Cambridge Secondary Education Certificate (SEC) examination

Revised post-secondary admission criteria

Singapore-Cambridge Secondary Education Certificate (SEC) examinations

- AY2027 graduating students will sit for the Singapore-Cambridge Secondary Education Certificate (SEC) examinations at their respective subject levels (G1, G2, G3)
- SEC examination timetable will be consolidated into a single sitting
- Written examinations for EL and MTL will be conducted in September
- Other subjects from October to November


Full Subject-Based Banding

What's next?

Secondary 1 & 2 → **End of Secondary 2** → **Secondary 3 & 4**

Deciding on upper secondary subject combinations

All students will offer between 5 and 9 examinable subjects for upper secondary.

Upper secondary

Students will continue to have flexibility to offer subjects at different subject levels, including elective subjects.

What's next?

End of Secondary 4/5

Singapore-Cambridge Secondary Education Certificate (SEC) Examination

From 2027, students will sit for the new SEC examinations, with different papers for each subject level.

5th year of secondary education will continue to be available for eligible students.

- This allows them to pace their learning and possibly offer subjects at a more demanding level to access more post-secondary pathways.

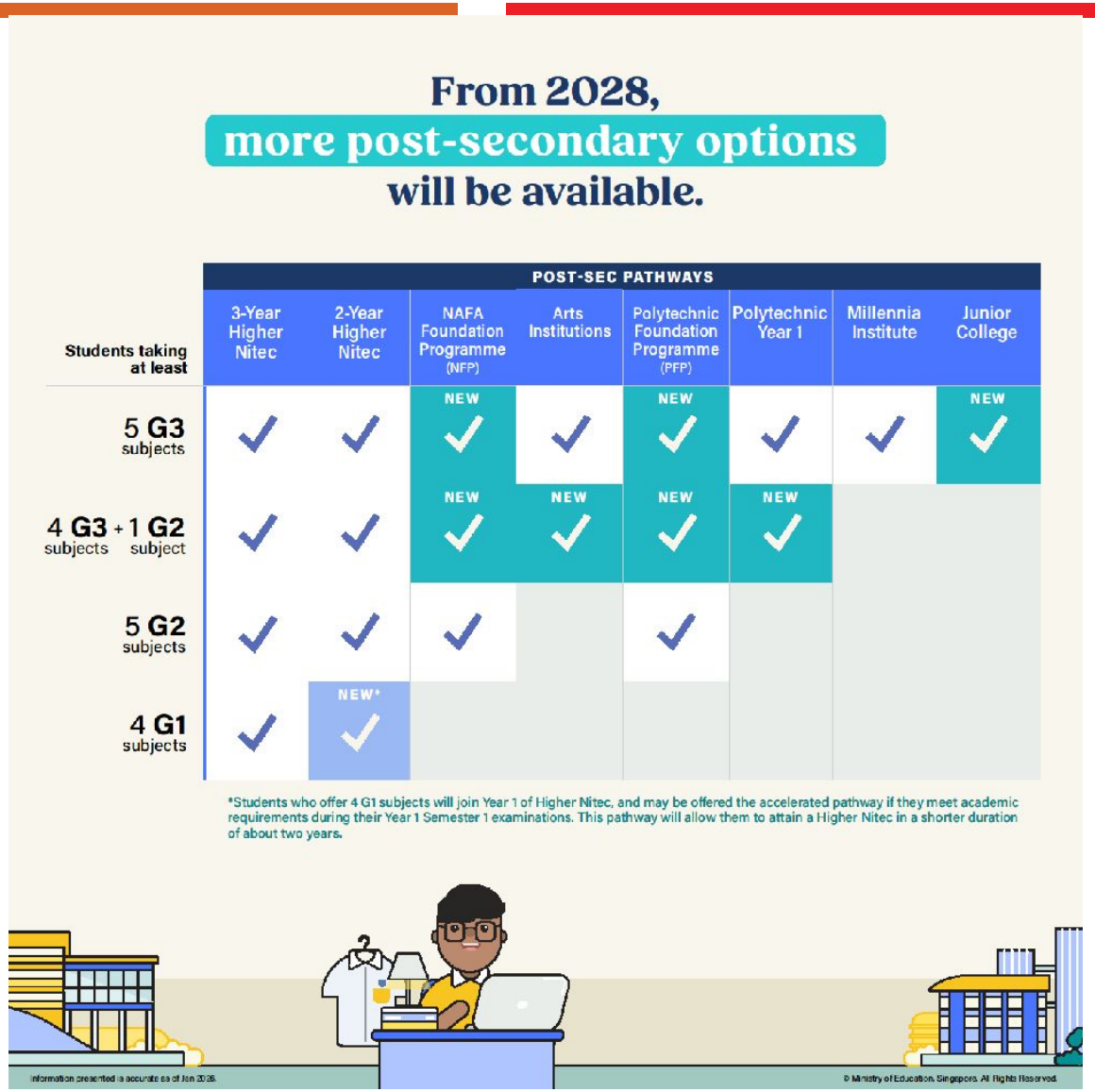
Post-Secondary

Admission to post-secondary education institutes

Admission criteria have been progressively updated to recognise students taking different combinations of subjects and subject levels.

- E.g., Polytechnic Foundation Programme (PFP) has been expanded to allow access to students offering G3 subjects, or a mix of G2 and G3 subjects.

Post-Sec Options



https://www.moe.gov.sg/psle-fsbb/resources/full-subject-based-banding

From 2028 JAE

L1R5 → L1R4

The qualifying threshold for JC eligibility will be revised from **L1R5 ≤ 20** to **L1R4 ≤ 16**

Component	Subjects	Now L1R5	2028 JAE L1R4
L1	English or Higher Mother Tongue	✓	✓
R1	Any 1 best-scoring subject from Humanities	✓	✓
R2	Any 1 best-scoring subject from Mathematics or Science	✓	✓
R3	Any 1 best-scoring subject from Humanities, Mathematics or Science	✓	✓
R4	Any 1 best-scoring subject	✓	✓
R5	Any 1 best-scoring subject	✓	

Bonus Point System

The cap on bonus points will be lowered from a maximum of 4 to 3 points.

Type of Bonus Points	Points
CCA Grade	Excellent: **2**
	Good: **1**
EL and HMTL Grade ◦ A1 to C6 for both subjects	**2**
Chinese/Malay (Special Programme) or Bahasa Indonesia Grade ◦ A1 to C6	**2**
Affliated JC	**2**

Now

MAXIMUM OF
4 from any combination

2028 JAE

MAXIMUM OF
3 from any combination

No change

Additional 2 bonus points are still awarded if a student has applied and is selected for the Chinese, Malay, or Tamil Language Elective Programme.

The revised admission criteria are part of continued efforts to broaden definitions of success beyond academic achievements and encourage holistic development in our students.

Admission requirements for Polytechnic Yr 1

1) **ELR2B2 net aggregate score of ≤ 22 points for all courses, nursing ≤ 24 points**
2) **Minimum entry requirements (subjects determined by course)**

2 'Relevant' G3 subjects

ELR2B2

English Language G3

1 'Best' G3 subject + 1 'Best' G2 or G3 subject

1 G2 subject can be counted as 1 [B] subject. If you take a G3 subject, it will be mapped to G2.

G3 Grade	MAPPED TO	G2 Grade
A1, A2, B3		1
B4, C5, C6		2
D7		3
E8		4
9		5
-		6

Polytechnic Year 1: Aggregate Computation

Aggregate Type		ELR2B2A		ELR2B2B	ELR2B2C	ELR2B2D
Types of Courses		Humanities, Media		Business	Engineering, Science, Facility Management, IT	Architecture, Design
EL		English				
R2	1st Group of Relevant Subjects	Art Business Studies Combined Humanities Economics Geography Higher Art Higher Music History Humanities (Social Studies, Literature in English) Humanities (Social Studies, Literature in Chinese) Humanities (Social Studies, Literature in Malay)	Humanities (Social Studies, Literature in Tamil) Humanities (Social Studies, History) Humanities (Social Studies, Geography) Intro to Enterprise Development Literature in English Literature in Chinese Literature in Malay Literature in Tamil Media Studies (English) Media Studies (Chinese) Music	Elementary Mathematics Additional Mathematics		
	2nd Group of Relevant Subjects	Additional Mathematics Art Business Studies Chinese Combined Humanities Creative 3D Animation Design & Technology Design Studies Economics Elementary Mathematics Food & Nutrition/Nutrition & Food Science Geography Higher Art Higher Chinese Higher Malay Higher Music Higher Tamil History Humanities (Social Studies, Literature in English) Humanities (Social Studies, Literature in Chinese)	Humanities (Social Studies, Literature in Malay) Humanities (Social Studies, Literature in Tamil) Humanities (Social Studies, History) Humanities (Social Studies, Geography) Intro to Enterprise Development Literature in English Literature in Chinese Literature in Malay Literature in Tamil Malay Media Studies (English) Media Studies (Chinese) Music Principles of Accounts Tamil	Art Business Studies Combined Humanities Economics Geography Higher Art Higher Music History Humanities (Social Studies, Literature in English) Humanities (Social Studies, Literature in Chinese) Humanities (Social Studies, Literature in Malay) Humanities (Social Studies, Literature in Tamil) Humanities (Social Studies, History) Humanities (Social Studies, Geography) Intro to Enterprise Development Literature in English Literature in Chinese Literature in Malay Literature in Tamil Media Studies (English) Media Studies (Chinese) Music Principles of Accounts	Biology Biotechnology Chemistry Computing / Computer Studies Creative 3D Animation Design & Technology Food & Nutrition Exercise & Sports Science Physics Science (Chemistry, Biology) Science (Physics, Biology) Science (Physics, Chemistry)	Art Biology Biotechnology Chemistry Computing / Computer Studies Creative 3D Animation Design & Technology Design Studies Food & Nutrition/Nutrition & Food Science Higher Art Media Studies (English) Media Studies (Chinese) Physics Science (Chemistry, Biology) Science (Physics, Biology) Science (Physics, Chemistry)
B2		Best 2 Other Subjects (Excluding CCA)				

Poly Foundation Programme (PFP)

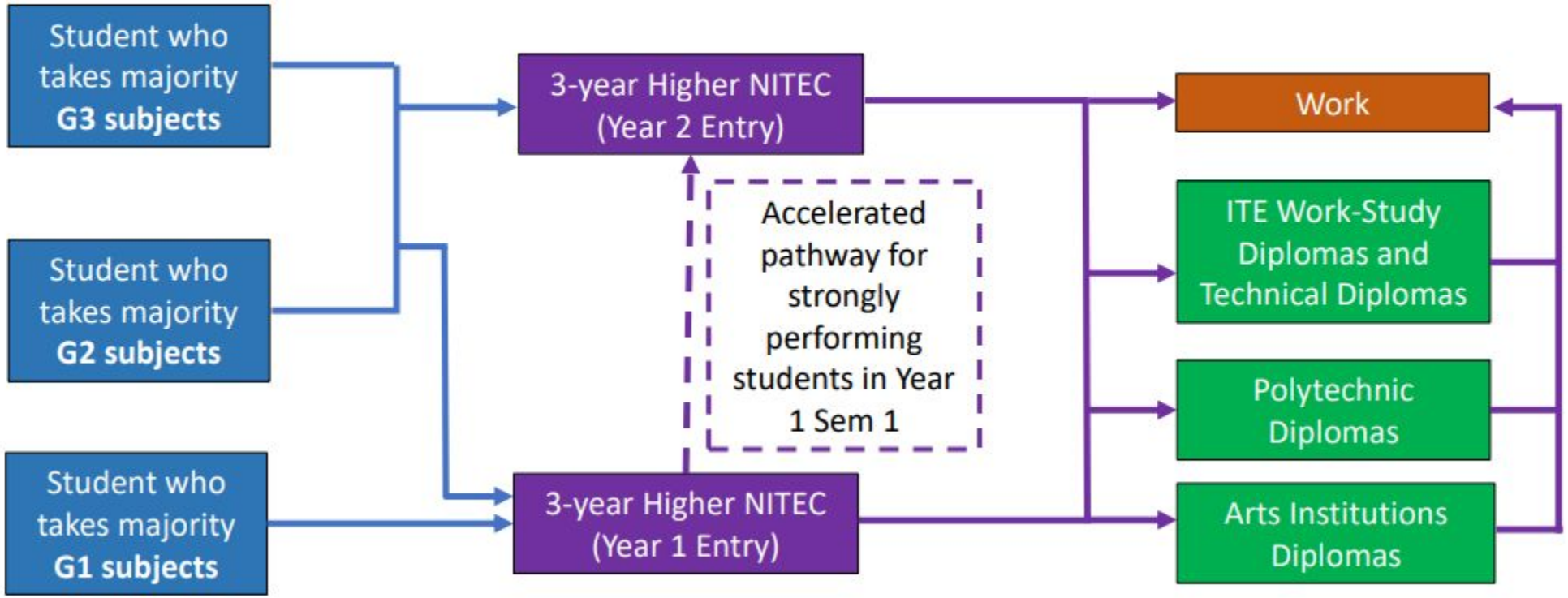
- The Polytechnic Foundation Programme (PFP) is one of the post secondary education pathways for students who offer at least 5 G2 subjects.
- It is a one-year preparatory programme that gives students a head start on their poly journey.
- Students will also get a provisional place in a diploma course when enrolled in PFP.
- With a practice-oriented curriculum taught by polytechnic lecturers, students will build a strong foundation needed to excel in their diploma studies.
- All Polytechnics offer PFP courses. For more information, please refer to the respective polytechnic websites.

Poly Foundation Programme (PFP)

Polytechnic Foundation Programme (PFP): Aggregate Computation			
Aggregate Type: ELMAB3 ≤ 12			
	Subjects Required		Subject Level
	For courses in **Sciences** and **Design, Engineering & Technology** clusters, including design sub-clusters; and **Nursing courses**	For courses featured in **Humanities, Art, Media and Business** cluster and **Early Childhood** courses	
EL	English Language		G2/3
MA	Mathematics		G2/3
B1	Design and Technology Food and Nutrition/Nutrition and Food Science Science	Art Humanities Principles of Accounts	G2/3
B2	Any two other subjects		G2/3
B3			G2/3
Total number of subjects required for computation = 5			5 G2/3

ITE: Overview of post-secondary progression to ITE in 2028

- For the AY2022 S4 cohort onwards, ITE is transitioning Nitec courses to the enhanced three-year curricular structure leading directly to a Higher Nitec certification. The transition will be completed by AY2026.



CCA Bonus Point

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CCA Bonus Point

- Excellent Grade

= 2 bonus points

- Good Grade
- = 1 bonus point

RECOGNITION OF STUDENTS' CO-CURRICULAR ATTAINMENT

At the end of the graduating year, the student's co-curricular attainment will be recognised according to the table below. The co-curricular attainment will be translated to bonus point(s) which can be used for admission to Junior Colleges / Polytechnics / Institutes of Technical Education (JC/Poly/ITE) [18].

Co-curricular Attainment	Descriptor
Excellent	The student has fulfilled the requirements for holistic development and achieved quality learning in the co-curriculum.
Good	The student has fulfilled the requirements for holistic development in the co-curriculum.
Fair	The student is working towards holistic development in the co-curriculum.

For an Excellent co-curricular attainment, which is translated to two bonus points, the student should have attained a minimum Level 3 in all four domains with at least Level 4 in one domain.

For a Good co-curricular attainment, which is translated to one bonus point, the student should have attained a minimum Level 1 in all four domains with any one of the following:

i. At least Level 2 in three domains;
ii. At least Level 2 in one domain and at least Level 3 in another domain; or
iii. At least Level 4 in one domain.

A Fair co-curricular attainment will not translate into any bonus points as the student has not met the minimum criteria for a Good co-curricular attainment.

Factors to consider in selecting subjects for your child/ ward

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- In which subjects do you find yourself grasping concepts quickly without needing extensive support?
- Which subject areas do you find yourself demonstrating the most resilience in when working on challenging academic tasks?

Strengths

Interests

- Which subjects are you interested in?
- Outside of academics, what personal interests do/ would you like to pursue?

Curriculum Load

1) How many subjects should you take?

2) What subjects should you take, and at which subject levels should you take them?

- How do you typically manage your current study workload and time?
- How much time do you need for rest family, other commitments and social activities to maintain good mental health?

Well-being

Aspirations

- Which post-secondary pathway are you aspiring to?
- Which course in a particular pathway do you hope to pursue?

Tips to Support Your Children's Education and Career Journey

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- Believe in and encourage your child to excel.
- Close partnership and regular communication with subject teachers.

1. Discovering Purpose

- Guide your children to make informed decisions and take ownership of their goals
- Understanding their Values, Interests, Personality, Skills, and Strengths

2. Exploring Opportunities

- Encourage your children to find out more about education pathways and the world of work, and exploring Education and Career Pathways with them

3. Staying Relevant

- Embrace lifelong learning and develop your children's future-ready skill by encouraging them to continuously pursue opportunities for learning

MOE Resources

Ministry of Education
SINGAPORE

https://www.moe.gov.sg/post-secondary

Learn about the choices available for you to pursue your next phase of learning based on your interests and strengths.

SCHOOL FINDER

https://www.moe.gov.sg/schoolfinder

Explore a list of schools based on school type, CCAs, and what programmes they offer.

COURSE FINDER

https://www.moe.gov.sg/coursefinder

Explore courses offered by ITE, polytechnics and Autonomous Universities based on aggregate type, score and area of interest.

https://www.moe.gov.sg/coursefinder

CourseFinder

Explore courses based on aggregate type, score, type of institute and area of interest.

Select the institutions you want to explore:

INSTITUTE OF TECHNICAL EDUCATION

POLYTECHNICS

UNIVERSITIES

Example

Go to **https://www.myskillsfuture.gov.sg/ secondary**

- ‘World of Work’ > Click ‘Singapore Industry Landscape’

- Explore the different jobs that you are keen to know more about and may consider doing in the future

Subject Allocation Process

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How are subjects assigned to students?

- Students are assessed by their overall performance across subjects.
- Allocation of student to a subject combination is done based on merit, minimum class size and availability of school resources.
- For subjects such as Pure Sciences and Additional Mathematics, students must satisfy the criteria for the subject combination.

Timeline (subject to changes)

No.	Date (tentative)	Activity
1	3 Feb	Introduction to Subject Combination
2	31 Mar	Talk by ECG Counsellor on pathways
3	7 Apr	Introduction to target setting and monitoring sheet
4	10 Apr	Parent Engagement Session
5	14 Apr - 19 May	Subject Talks by Department Heads
6	26 May	Briefing on Mock Subject Combination Exercise
7	29 May	Meet-The-Parents-Session (face-to-face)
8	10 Jul	Results of Mock Subject Combination Exercise
9	26 Oct - 30 Oct	Subject Combination Exercise
10	10 Nov	Release of Subject Combination and Start of Appeal
11	13 Nov	End of appeal
12	18 Nov	Result of appeal

CCE: Education and Career Guidance (ECG) Curriculum

Career Counselling by ECG Counsellor

Ongoing support for students

Subject Combination

(Mainly G1 subjects)

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Predominantly G1 subjects

English Language
Basic Chinese / Malay / Tamil Language
Mathematics
Science
Computing
Elements of Business Skills (EBS)
6

No. of subjects

What is Computing?

- Use **computational thinking skills** (breaking problems down and spotting patterns) to create digital products
- Learn to use **media and application software** effectively
- Understand computing as a **creative subject**, and learn about **cybersecurity, new technologies and their impact on society**
- Build **21st-century skills** such as critical thinking, problem-solving, collaboration, communication and perseverance

What is EBS?

- Introduction to business through an understanding of business activities, focusing on basic marketing and customer relations, in the context of Singapore.
- The syllabus intends to provide students with opportunities to develop transferable employability skills and knowledge in the service industry, namely the Travel and Tourism, Hospitality, and Retail industries, which continue to offer employment opportunities accessible to the students.

Grading System for G1

For entry to 3-year Higher Nitec Programme (Year 1)

G1 Subjects - ITE Points Calculation	
A	1
B	2
C	3
D	4
U	5

- The total points for best 4 subjects will form the aggregate points for entry to ITE
- Many Higher Nitec courses require pass in English, Math and Science

Conversion table for G2 to G1 grade

G2	G1
1,2,3	A
4	B
5	C
6	D

3-YEAR *HIGHER NITEC* COURSES AGGREGATE POINTS (2026 intake)

Based on Best 4 GCE 'N' Level subjects, including pre-requisite subjects and bonus points^.

3-Year *Higher Nitec* Course	Aggregate Points
Business & Services	
Accounting	5 (CC) | 6 (CE) | 6 (CW)
Business Administration	3 (CC) | 4 (CE) | 3 (CW)
Event Management	5 (CC)
Passenger Services	5 (CC) | 8 (CE)
Sport Management	4 (CC) | 5 (CE) | 6 (CW)
Tourism	7 (CW)
Customer Experience	9 (CW)
Beauty & Wellness Management	5 (CE)
Hairdressing & Salon Management	6 (CE)
Logistics & Supply Chain Management	9 (CE)
Retail & Online Business	5 (CC) | 7 (CE) | 7 (CW)

CC – College Central / CE – College East / CW – College West

^ Pre-requisite subjects: Subjects that are compulsory to pass in order to qualify for a course | Bonus points: CCA bonus points

WHY ITE DIPLOMAS?

WORK-STUDY DIPLOMA (WSDIP)

- 2.5 to 3-year apprenticeship-based programme for WSDIP
- Curriculum co-designed with industry
- Earn a competitive starting salary and enjoy employee benefits
- Deepen skills through structured workplace learning and mentorship
- Get a fully-sponsored and nationally-recognised Diploma
- Opportunity for further academic progression
- Sign-on incentive of $5,000*
- $10,000 CPF Ordinary Account top-up (ITE Progression Award)

TECHNICAL DIPLOMA (TD)

- 2 to 2.5 years of full-time study
- Curriculum co-designed with leading international Vocational Training and Education institutions
- Overseas learning experience in France, Germany, Hong Kong or Switzerland (depending on the course of study)
- Jointly certified by ITE and the partner institution
- Opportunity for further academic progression
- $10,000 CPF Ordinary Account top-up (ITE Progression Award)
- $5,000 into Post-Secondary Education Account (PSEA)

* For fresh ITE graduates from relevant feeder courses who are Singapore Citizens and within three years of their graduation or Operationally Ready Date. Terms and conditions apply.

Subject Combination

(Mainly G2 subjects)

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Predominantly G2 subjects

English Language	
Mother Tongue/Higher Mother Tongue	
Elementary Mathematics	
Combined Humanities (Social Studies, Elective History) OR Combined Humanities (Social Studies, Elective Geography)	
Combined Science (Chemistry, Physics)	
Principles of Accounts	Craft & Tech (Art / NFS/ D&T)
6	6

No. of subjects

Subject Criteria (G2)

Sec 3 Subjects	Sec 2 Academic Performance	Overall %
Principle of Accounts	Mathematics English Language	≥55 ≥50
Art	Art	≥60
NFS	FCE	≥60
D&T	D&T	≥60

Conversion table for G3 to G2 grade

G3	G2
A1 to B3	1
B4 to C6	2
D7	3
E8	4
F9	5
	6

Subject Combination

(Mainly G3 subjects)

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ACHIEVERS WITH CHARACTER

Predominantly G3 subjects

English Language							
Mother Tongue/Higher Mother Tongue							
Elementary Mathematics							
Combined Humanities (Social Studies, Elective History) OR Combined Humanities (Social Studies, Elective Geography)							
Pure Chemistry		Science (Chem, Phy)	Science (Chem, Bio)	Science (Chem, Phy)	Science (Chem, Bio)	Science (Chem, Phy)	Science (Chem, Bio)
Pure Physics	Pure Biology	Principles of Accounts/ Computing^		Craft & Tech (Art/D&T/NFS) / Music^		Craft & Tech (Art/D&T/NFS) / Music^	
Additional Mathematics		Additional Mathematics		Pure History/ Pure Geography		Principles of Accounts	
7	7	7	7	7	7	7	7
Students who do not meet any of the subject requirements will be offered only 6 subjects							

No. of subjects

Subject Criteria (G3)

Sec 3 Subjects	Sec 2 Subjects	Overall %
Pure Sciences	**Science & Mathematics**	**≥65 ≥65**
Additional Mathematics	**Mathematics**	**≥65**
Pure Geography	**Geography & English Language**	**≥60 ≥60**
Pure History	**History & English Language**	**≥60 ≥60**

Subject Criteria (G3)

Sec 3 Subjects	Sec 2 Subjects	Overall %
Principles of Accounts	**Mathematics & English Language**	**≥55 ≥50**
Art	**Art**	**≥65**
NFS	**FCE**	**≥65**
D&T	**D&T**	**≥65**
(not part of Subject Combination option)		
HMTL	**only for existing HCL/HTL students**	**≥60**

Elective subject 1: Computing (Outside of PSS)

- Students will learn about how computers work, write code to solve problems, apply logical reasoning and algorithmic thinking in analysing problems, and developing solutions, and gain understanding on issues associated with the use of technology.
- Conducted at a designated external centre. Student must be prepared to travel to the centre to attend lessons after classes end in PSS.

To qualify:		
At least 60% in G3 Mathematics at the end of Secondary 2	A personal statement of not more than 200 words to share about your interest to offer G3 Computing	Selection by MOE

Elective subject 2: Music (Outside of PSS)

- Designed to allow students who have the interest, potential and ability to acquire a range of musical knowledge and skills and learn across different music traditions and practices through experiences in listening, performing and composing.
- Conducted at a designated external centre. Student must be prepared to travel to the centre to attend lessons after classes end in PSS.
- Students will sit for the G3 Music or Higher Music examination at the end of 2 years.

To qualify:	
Pass the selection exercise at Secondary 2 (Application window opens from mid-May to early July)	G3 Music Selection Exercise: -Instrumental performance or singing (e.g. learning an instrument in school CCA or school-based Music programme). Student must be able to display basic fluency and sound fundamental techniques. -Listening and evaluating music.

Subject Information

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Additional Math

&

Elementary Math

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Difference between Mathematics & Additional Mathematics

Mathematics	Additional Mathematics
The syllabus is intended to provide students with the **fundamental mathematical knowledge and skills**.	The syllabus **prepares students adequately for A-Level H2** Mathematics, where a strong foundation in algebraic manipulation skills and mathematical reasoning skills are required.
The content is organised into three strands: • Number and Algebra, • Geometry and Measurement, and • Statistics and Probability.	The content is organised into three strands: • **Algebra**, • Geometry and Trigonometry, and • Calculus.

Difference between Mathematics & Add Mathematics

Mathematics	Additional Mathematics
Besides conceptual understanding and skills proficiency explicated in the content strands, development of **process skills** that are involved in the process of acquiring and applying mathematical knowledge is also emphasised. These include **reasoning, communication and connections, thinking skills and heuristics, and application and modelling**; and are developed based on the three content strands.	Besides conceptual understanding and skill proficiency explicated in the content strands, important mathematical processes such as **reasoning, communication and application (including the use of models)** are also emphasised and assessed. **The O-Level Additional Mathematics syllabus assumes knowledge of O-Level Mathematics.**

Difference between Mathematics & Add Mathematics

Mathematics	Additional Mathematics
Math questions have greater scaffolding. Even when the entire question is worth 10 or 11 marks in total, the entire question is broken down into parts, which then constitute a range of marks, ranging from a minimum of 1 mark to 6 marks maximum per part of the question.	Add Math questions typically have more marks allocated to each question. The minimum number of marks is 4 marks per question and can go up to a maximum of 12 marks per question. Very little scaffolding of Add Maths questions into parts.

Additional Mathematics

Concepts & Skills		
Algebra	Geometry & Trigonometry	Calculus
Mathematical Processes		

Aims of the syllabus

- **acquire mathematical concepts and skills** for higher studies in mathematics and to support learning in the other subjects, with emphasis in the sciences, but not limited to the sciences
- **develop thinking, reasoning, communication, application and metacognitive skills** through a mathematical approach to problem-solving
- **connect ideas** within mathematics and between mathematics and the sciences through applications of mathematics; and
- **appreciate** the abstract nature and power of mathematics.

Pure Science
&
Combined Science

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Pure Sciences vs Combined Science (O Level)

- The content for Pure Science is **broader** and **more in depth** compared to Combined Science. Pure Sciences will cover approximately 33% more content than each Combined Sciences (e.g. Pure Chemistry vs Science Chemistry).
- Pure Sciences emphasize on **Data Reading & Analysis** as well as Application of concepts. Examination questions are more demanding and challenging.
- Students should have a **good foundation in English** to be able to discuss concepts using correct vocabulary and casual links, and think deeply and critically to draw inferences based on information provided.
- A **strong foundation in Mathematics is essential** to ensure that students can handle and interpret visual, numerical and graphical data confidently, and make conclusions based on mathematical relationships between quantities.
- There is a practical exam at the end of the course which is about 45 min for each Combined Science subject requiring making observations and data collection as well as analysis of the data collected.
- The practical for Pure Science is 1 h 50 min and requires similar skills as combined science but with greater demand on analysis, **and an additional planning task**.

SCHEME OF ASSESSMENT

Candidates are required to enter for Papers 1, 2 and 3.

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

SCHEME OF ASSESSMENT

Candidates are required to enter for Paper 1, Paper 5 and two of Papers 2, 3 and 4.

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

Subject	Pure Science	Combined Science
Biology	40 MCQ 80 m Structured 40 m Practical	20 m MCQ 65 m structured 15 m practical
Chemistry	40 MCQ 80 m Structured 40 m Practical	20 m MCQ 65 m structured 15 m practical
Physics	40 MCQ 80 m Structured 40 m Practical	20 m MCQ 65 m structured 15 m practical

Choose

Sci Physics &
Sci Chemistry

Or

Sci Chemistry &
Sci Biology

SCHEME OF ASSESSMENT

Candidates are required to enter for Paper 1, Paper 5 and two of Papers 2, 3 and 4.

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

SCHEME OF ASSESSMENT

There will be six papers of which candidates will take four as described below.

5105 Science (Physics, Chemistry) Papers 1, 2, 3, 4
5106 Science (Physics, Biology) Papers 1, 2, 5, 6
5107 Science (Chemistry, Biology) Papers 3, 4, 5, 6

The pair of Papers 1 and 2, 3 and 4, 5 and 6 will be taken in one session of 1 hour 15 minutes. Candidates will be advised not to spend more than 30 minutes on each of Papers 1, 3 and 5.

Paper	Type of Paper	Duration	Marks	Weighting
1	Multiple Choice (Physics)	1 hour 15 minutes	20	20%
2	Structured (Physics)		30	30%
3	Multiple Choice (Chemistry)	1 hour 15 minutes	20	20%
4	Structured (Chemistry)		30	30%
5	Multiple Choice (Biology)	1 hour 15 minutes	20	20%
6	Structured (Biology)		30	30%

Subject	G3	G2
Science Biology	20 m MCQ 65 m structured 15 m practical	Not offered
Science Chemistry	20 m MCQ 65 m structured 15 m practical	20 m MCQ 30 m structured
Science Physics	20 m MCQ 65 m structured 15 m practical	20 m MCQ 30 m structured

Choose

Sci Physics &
Sci Chemistry

Or

Sci Chemistry &
Sci Biology

Summary of differences for Pure Sciences vs Combined Science

	Subject count	Examination duration	Amount of content and rigour of syllabus	Practical required?
G3 Pure Science	each science is counted as 1 subject	P1 - 1 h P2 - 1 h 45 min P3 - 1 h 50 min **total: 4 h 35 min**	Very high	Examinable, 20% of final grade
G3 Combined Science	2 sciences taken as 1 subject	P1 - 1 h P2 (Phy) - 1 h 15 min P3 (Chem) - 1 h 15 min P4 (Bio) - 1 h 15 min (take 2 out of 3) P5 - 1 h 30 min **Total 5 h**	High	Examinable, 15% of final grade
G2 Combined Science	2 sciences taken as 1 subject	P1 and P2 (Phy) 1 h 15 min P3 and P4 (Chem) 1h 15 min **Total: 2 h 30 min**	Normal	Practical skills are assessed in theory paper (10%)

HUMANITIES

SS/Geog or SS/History

Pure History
Pure Geography

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ACHIEVERS WITH CHARACTER

Elective History vs Pure History

History (Elective)	Pure History
World War 1 (1914) to collapse of communism (1991) Focus: European history Students sit for 1 History paper. (50%) Social Studies (50%)	• **Unit 1**: Extension of European Control in Southeast Asia and Challenges to European Dominance, 1870s – 1942 • **Unit 2**: Developments in the Post-World War II World: Decolonisation and the Cold War, 1940s – 1991 (Focus: Malaya; Vietnam; Europe & Japan) Students sit for 2 history papers. (100%) **Students offered Pure History must also take SS+Elective Geog as their Combined Humanities.**

Elective Geography vs Pure Geography

Geography (Elective)	**Pure Geography**
· Cluster 1 – Geography in Everyday Life · Cluster 2 - Tourism · Cluster 3 - Climate <u>Assessment</u>: One paper – 50 marks – Cluster 1, 2, 3 (including one essay) (And one other Social Studies Paper – 50 marks)	· Cluster 1 – Geography in Everyday Life · Cluster 2 - Tourism · Cluster 3 – Climate · Cluster 4 – Tectonics · Cluster 5 – Singapore <u>Assessment</u>: Paper 1 – 50 marks – Cluster 1, 2, 3 (including one essay) Paper 2 – 50 marks – Cluster 1, 4, 5 (including one essay) **Students offered Pure Geography must also take SS+Elective History as their Combined Humanities.**
Geography focuses on current Earth's landscapes, climate, environments, sustainability issues. Geography is more science-based, requiring to analyse and interpret data in Geographical Investigation and data-response questions.	

Polytechnic courses

Humanities subjects *are counted* as **relevant** subjects for eligibility for the following diplomas:

- Early Childhood Development & Education,
- Chinese/Tamil Studies with Early Education,
- Mass Communication,
- Communications & Media Management.

- Business / Finance / Accountancy / Marketing / Management-type diplomas

*(Having a **pass** or credit-level grade in humanities helps because it increases your aggregate score in ELR2B2)*

Why Humanities graduates are valuable?

Employers often look for these **transferable skills**:

- ✔ communication and writing
  ✔ critical thinking
  ✔ creativity and cultural awareness
  ✔ research and interpretation
  ✔ collaboration and presentation

- These skills can be adapted to many industries — from business and tech to arts and public service.

COURSEWORK

- Art
- Design & Technology
- Nutrition & Food Science

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Craft & Technology (G3)

Design & Technology (D&T)	Nutrition & Food Science (NFS)	Art
Focuses on research to define user needs, exploration and develop design solutions, prototyping their ideas using tools/equipment/machines. Cultivating creative, critical and reflective thinking. Paper 1 (Written Paper) - 40% Paper 2 (Coursework) - 60% Coursework components: **Design Process Journal**(90 pages) (research on real world problem, inquiry, idea conceptualization and development, planning and monitoring; 3D drawings) **Artifact** (realization, materials & practical processes) **2 Presentation boards** to communicate the solution for identified design problem	Demonstrate principle of nutrition and scientific principles underlying food preparation, processing and safety. - Paper 1 (Written paper) - 40% - Paper 2 (Coursework) - 60% 20 to 25-page report on a given task question. **Coursework practical components:** • Conduct a food science experiment • Prepare and cook 3 dishes related to the task question	Focuses on advanced art techniques (Niche mediums), Art movements and inspirations. Developing student's independent discovery and concept development. Paper 1(Visual Response) - 50% Paper 2 (Portfolio) – 50% **Paper 1:** **Section A Visual Analysis** Visual analysis has one question with two parts: Students must write a description based on the given visual stimulus. **Section B Exploratory Sketching** Express ideas using sketching based on Section A. **Paper 2:** **Portfolio Design** consisting of 15 screens of sketches and 800 word write-up

Craft & Technology (G2)

D&T	NFS	Art
Focuses on research to define user needs, exploration and develop design solutions, prototyping their ideas using tools/equipment/machines. Cultivating creative, critical and reflective thinking. Paper 1 (Written Paper) - 40% Paper 2 (Coursework) - 60% **Coursework components:** **Design Process Journal**(70 pages) (research on real world problem, inquiry, idea conceptualization and development, planning and monitoring; 3D drawings) **Artifact** (realization, materials & practical processes) **2 Presentation boards** to communicate the solution for identified design problem	Demonstrate principle of nutrition and scientific principles underlying food preparation, processing and safety. - Paper 1 (Written paper) - 40% - Paper 2 (Coursework) - 60% 15 to 20-page report on a given question. **Coursework practical components:** • Conduct a food experiment • Prepare and cook 3 dishes related to the task question	Focuses on advanced art techniques (Niche mediums), Art movements and inspirations. Developing student's independent discovery and concept development. Paper 1(Visual Response) - 50% Paper 2 (Portfolio) – 50% **Paper 1:** **Section A Visual Analysis** Visual analysis has one question with two parts: Students must write a description based on the given visual stimulus. **Section B Exploratory Sketching** Express ideas using sketching based on Section A. **Paper 2:** **Portfolio Design** consisting of 10 screens of sketches and 500 word write-up

Polytechnic Year 1: Based on 2025 PSS Subject Combination

Types of Courses		Group A Humanities, Media	Group B Business	Group C Engineering, Science, Facility Mgmt, IT	Group D Architecture, Design
EL		English			
R2	1st group of relevant G3 subjects	**Comb Humanities** History/Literature Art/ Music	**Math** A Math	**Math** A Math	**Math** A Math
	2nd group of relevant G3 subjects	**Comb Humanities** History/Literature Art/ Music Math A Math **Science** POA CL/ ML/ TL	**Comb Humanities** History/Literature Art/ Music POA	**Science** Biology Chemistry Physics D&T NFS	**Science** Biology Chemistry Physics D&T NFS Art
B2		1 Best G3 subject			
		1 Best G2 subject or 1 Best G3 subject mapped to G2 grade			
	Comments	G3 Math grade need not be computed in ELR2B2 but must be at least D7	Need not include Science	Need not include Humanities	

Art (Possible Careers)

1. Fine Arts & Creative Practice
- Visual Artist
- Illustrator
- Art Teacher (with NIE qualification)
- Sculptor
- Gallery Curator
- Arts Programme Executive
- Art Therapist (with further studies)

2. Design Industry (Very Strong Demand in Singapore)
Art students often move into design-related fields:
- Graphic Designer
- UI/UX Designer
- Motion Graphics Designer
- Product Designer
- Interior Designer
- Exhibition Designer
- Brand Designer

3. Media, Film & Animation
- Animator
- Game Artist
- Storyboard Artist
- Video Editor
- Film Production Designer
- Content Creator

4. Game & Digital Industry
- Game Designer
- 3D Modeller
- Environment Artist
- Character Designer

5. Architecture & Built Environment
With strong art + math foundation:
- Architect
- Landscape Designer
- Urban Planner
- Drafter

6. Fashion & Creative Enterprise
- Fashion Designer
- Textile Designer
- Visual Merchandiser
- Creative Director
- Entrepreneur (own art/design business)

7. Creative Roles in Corporate Sector
- Marketing & Branding
- Advertising
- Social Media Management
- Creative Strategist
- Corporate Communications

D&T (Possible Careers)

1. Engineering & Technical Careers

Possible careers:

- Mechanical Engineer
- Electrical Engineer
- Mechatronics Engineer
- Aerospace Engineer
- Civil Engineer
- Robotics Technician
- Manufacturing Engineer

2. Architecture & Built Environment

- Architect
- Architectural Technologist
- Quantity Surveyor
- BIM Specialist
- Interior Designer
- Urban Planner

3. Product & Industrial Design

- Product Designer
- Industrial Designer
- Furniture Designer
- Innovation Consultant
- Design Engineer

4. Digital & Technology Sector

- UI/UX Designer
- CAD Designer
- 3D Modeller
- Robotics Programmer
- Automation Specialist
- Hardware Product Developer

5. Advanced Manufacturing & Industry 4.0

- CNC Machinist
- Production Planner
- Quality Assurance Engineer
- Process Engineer
- Additive Manufacturing Specialist

6. Transport & Aerospace

- Aircraft Maintenance Engineer
- Automotive Engineer
- Marine Engineer

7. Entrepreneurship

- Product-based entrepreneurs
- Makers / Start-up founders
- Innovation consultants

NFS (Possible Careers)

1. Healthcare & Nutrition Careers
- Dietitian
- Nutritionist
- Clinical Nutrition Executive
- Public Health Nutrition Officer
- Health Promotion Officer

2. Food Science & Technology
- Food Technologist
- Food Scientist
- Product Development Executive
- Quality Assurance (QA) Officer
- Food Safety Auditor

3. Culinary & Hospitality Industry
- Chef
- Pastry Chef
- Culinary Research & Development Assistant
- F&B Operations Manager
- Catering Entrepreneur

4. Food Business & Entrepreneurship
- Food Product Entrepreneurs
- Café / Bakery Owners
- Healthy Meal Prep Business Owners
- Food Content Creators
- Food Marketing Executives

5. Research & Alternative Proteins
- Food Research Scientist
- Alternative Protein Researcher
- Sustainable Food Innovation Specialist

6. Wellness & Lifestyle Industry
- Health Coach
- Corporate Wellness Consultant
- Fitness & Nutrition Advisor

Poly Foundation Programme (PFP)

Polytechnic Foundation Programme (PFP): Aggregate Computation			
Aggregate Type: ELMAB3 ≤ 12			
	Subjects Required		Subject Level
	For courses in **Sciences** and **Design, Engineering & Technology** clusters, including design sub-clusters; and **Nursing courses**	For courses featured in **Humanities, Art, Media and Business** cluster and **Early Childhood** courses	
EL	English Language		G2/3
MA	Mathematics		G2/3
B1	Design and Technology Food and Nutrition/Nutrition and Food Science Science	Art Humanities Principles of Accounts	G2/3
B2	Any two other subjects		G2/3
B3			G2/3
Total number of subjects required for computation = 5			5 G2/3

Principles Of Accounts

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Principles of Accounts (Aims of syllabus)

- Apply double entry system of recording business transactions.

- Synthesis and presentation skills in the preparation of accounting information in a suitable form.

- Analytical skill in interpreting financial statements and analysing the effects of business transactions and accounting adjustments on financial statements.

- Evaluative skill in evaluating businesses for their profitability, liquidity and efficiency of inventory and trade receivables management using financial information and ratios

- Decision-making skill in evaluating choices using both accounting and non-accounting information.

Principles of Accounts (Assessment)

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

https://go.gov.sg/pssecg

Chat with Mr Marcus, Education and Career Guidance Counsellor

(Mondays, Tuesdays, and some Fridays)
at L2 ECG Room (next to the Hall)

8.30 am to 4.30 pm

wong_kok_loong_marcus@moe.edu.sg

FAQs

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FAQ

How can we make the best choice for our child?

We encourage parents to consider their child's ability, interests and aspirations.

It is important that your child knows which subjects he/she is interested in and whether he/she is able to manage the academic rigour of the selected subject combination.

Another factor to consider is the post-secondary pathway that he/she would like to embark on.

FAQ

Can my child try a certain subject combination first and then drop subjects later?

As opportunity cost is involved, students should avoid adopting the mentality of “trying things out first” if they are not very confident about the subject combination.

Notwithstanding this, at the end of Sec. 3, students can review their subject combination especially if they are not doing well.

FAQ

Does the school only consider the end-of-year results or overall results for the cut off marks for the selection of subjects?

The school adopts a holistic approach by assessing the student's overall performance across the entirety of the academic year.

Thus, the school looks at students' overall marks for each subject, considering their progress throughout the year.

FAQ

How can I help my child do well?

Students are encouraged to work closely with their subject teachers so that they can close their learning gaps. Students are also encouraged to prepare a revision timetable for all subjects and follow it closely.

FAQ

How can I guide my child to make the right choices for his/ her subject combination?

We strongly encourage students to explore the SkillsFuture portal and complete quizzes under 'Know Yourself'. The quizzes may help to guide students in discovering their career interests. From there, they can gauge the industry and possible courses that they can pursue. Students are encouraged to speak to the school's Education and Career Guidance counsellor if they need more support.

FAQ

To select G3 Principles of Account (POA) as a subject, students have to obtain 55 marks in Mathematics to qualify for the subject. Why is this so?

The concepts learnt in Mathematics are highly relevant to the learning of POA. Proficiency in Mathematics is crucial for students to effectively engage with numerical data and analyse accounting information critically. Therefore, the subject requirement is imposed to ensure that students have the necessary foundation to take the subject.

FAQ

If my child does not take up G3 A Math, will it affect his/her subject combination choices in JC?

Please refer to the respective JC websites on their subject requirements for the different subject combination choices.

FAQ

If my child is considering doing medicine in university, must he/she take triple science?

For medicine in local universities, the prerequisite is an H2 level pass at A-Levels in Chemistry and Biology or Physics (no need for triple science).

Junior Colleges may have their own prerequisites for students to take H2 Chemistry, Biology or Physics with indicative grade cut-offs for the relevant subjects at G3. Generally, a good pass of B3 or higher may be required.

FAQ

What are the benefits of G2 students taking G3 subjects?

Their G3 grade will be converted to the G2 grade based on the conversion table.

The aggregate obtained can be used to apply for PFP (Poly) and ITE Year 2 Entry.

G3	G2
A1 to B3	1
B4 to C6	2
D7	3
E8	4
F9	5
	6

FAQ

How can my child's CCA bonus points be used in the entry criteria for JC/Poly/ITE?

Upon graduation, students' co-curricular attainment will be recognised according to Excellent/Good/Fair grades. The level of attainment will be converted to bonus point(s) which can be used for admission to institutes of higher learning (JC/Poly/ITE).

These bonus points are deducted from the gross aggregate score in National Exams to calculate the net aggregate score. The gross aggregate score is used to determine eligibility for admission to JC/Poly/ITE. After indication of preference, posting to the specific stream/course will be based on his/her net aggregate score.