



Secondary Two Parent Engagement Session

Friday 10 April 2026

A Community where Learners Flourish

Programme

Time	Content
5.00 - 5.05 pm	Welcome & Introduction by Year Head
5.05 - 5.15 pm	Welcome Address by Vice-Principal
5.15 - 5.30 pm	Updates on Post-secondary Pathways by ECG Counsellor
5.30 - 5.45 pm	Student Wellbeing Updates by Year Head
5.45 - 5.50 pm	Movement to Breakout Rooms by G1/G2/G3
5.50 - 6.05 pm	Subject Selection Briefing (G1/G2/G3)
6.05 - 6.15 pm	Q&A





Welcome by Year Head

Miss Ang Bee Lee

Objectives

To partner parents/guardians in helping your child/ward make informed educational decisions for the Subject Selection Exercise through:

- **Updates on recent shifts in post-secondary articulation matters relevant to 2026 Sec 2 cohort**
- **Sharing on the 2027 Secondary 3 subject combinations, guidelines and criteria.**





**Presentation slides will be
shared with parents via
Parents Gateway and the
school website.**





Welcome Address

**Ms Chia Kel-li
Vice-Principal**

4 Curiosity . 4 Care . 4 Adaptability . 4 Respect . 4 Contribute . 4 Connect . 4 Resilience . 4 Responsibility . 4 Flourish . 5 Flourish

S.C.H.O.O.L: NEXT LEVEL



Above All Care 3

SEVERAL CHEERFUL HOURS OF OUR LIVES



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Updates on Post-secondary Pathways

Mr Elvis Sio
ECG Counsellor

More options for Post-secondary pathways

Students taking at least	POST-SEC PATHWAYS					
	3-year ITE Higher Nitec	Year 2 of 3-year ITE Higher Nitec	Polytechnic Foundation Programme (PFP)	Polytechnic Year 1	Millennia Institute	Junior College
5 G3 subjects	✓	✓	NEW ✓	✓	✓	NEW ✓
4 G3 + 1 G2 subjects	✓	✓	NEW ✓	NEW ✓		
5 G2 subjects	✓	✓	✓			
4 G1 subjects	✓	NEW* ✓				

*For students who meet ITE's Year 1 academic requirements.

Education and Career Guidance - ECG

Exploring Opportunities

Post-secondary education pathways
Career Aspirations

Discovering Purpose

Values, interests, personality, skills & strengths

Where Do I Want To Go?
Exploring Opportunities

Who Am I?
Discovering Purpose

How Do I Get There?
Staying Relevant

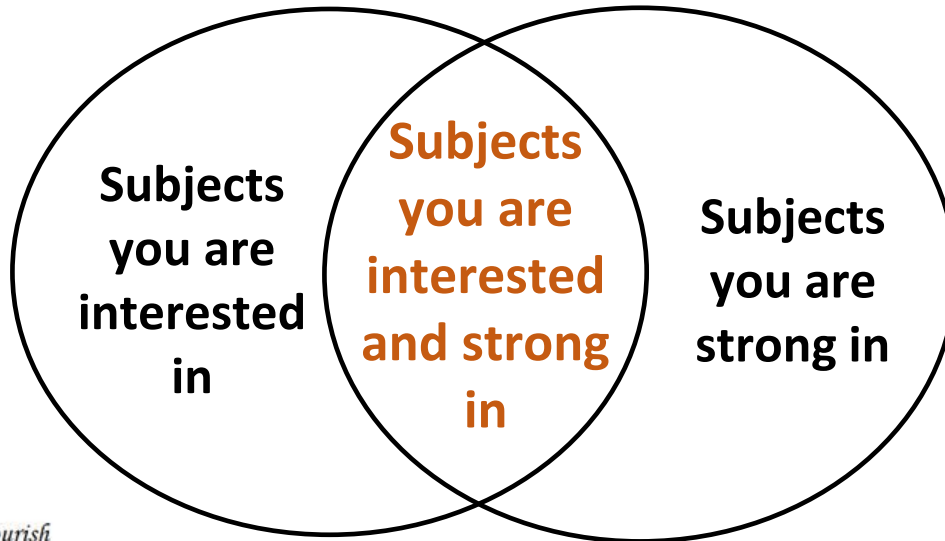
Staying Relevant

Understand subject requirements
Work towards education and career goals



Discovering Purpose – *Who am I?*

- What are my **values, interests, personality, skills and strengths (VIPS)**?
- What have I **learnt from experiences & activities** in or out of school?
- Which **subjects** am I **interested in or good at**?



Exploring Opportunities – *Where do I want to go?*

Which **subjects** would be relevant for my aspirations?

Examples

Career Interest	Relevant Subjects
Research/ Biomedical Sciences	Math, Chemistry & Biology
Architecture/ Design	Design & Technology & Art
Social work/ Psychology	Social Studies, History, Biology



Exploring Opportunities – *Where do I want to go?*

Which **post-secondary education pathways** are suitable for me?

Pre-universities

18 Junior Colleges (JCs) and Millennia Institute (MI)
GCE A-level Course for admissions to universities
Deep learning in academic subject choice

Polytechnics

5 Polytechnics
Diploma that is work-ready and for admissions to universities
Applied, practice-based learning experience with internships

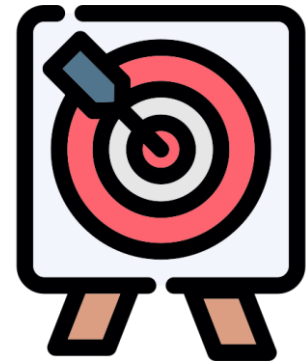
**Institute of
Technical
Education**

3 campuses
Higher Nitec that is work-ready and used for admissions for diploma
Hands-on, practice-based learning experience with internships



Staying Relevant – *How do I get there?*

- What are the **subject requirements** of **my target post-secondary course choices**?
- What **steps** can I take to achieve my goals and take the subjects I prefer?
- **How** can I find out more information?



For students taking mostly G3 subjects

Junior College/ Millennia Institute

Admission to JC will be based on 5 subjects L1R4 \leq 16. **New** from 2028 Joint Admissions Exercise

Admission to MI will be based on 5 subjects L1R4 \leq 20.

The subjects to be used for admission are:

- **English/ Higher Mother Tongue**
- **Humanities**
- **Maths/ Science**
- **Humanities/ Maths/ Science**
- **1 other relevant subject**

The cap on bonus points for JC admission will be lowered from a maximum of 4 to 3 points. The bonus points cap for admission to MI will also be aligned with that for JC admissions.

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

Refer to [Infosheet 1: Revised Junior College \(JC\) Admission Criteria](#) | [MOE](#) for more details.



For students taking mostly G3 subjects

A-level Curriculum

Examples of Subject combinations taken for A-levels

Science	Arts
H2 Physics or Biology	H2 Economics
H2 Chemistry	H2 Literature
H2 Math	H2 History
H1 or H2 Arts (e.g. History)	H1 or H2 Math or Science

Compulsory Subjects at H1 Level

- General Paper (GP)
- Project Work (PW)
- Mother Tongue (MT)~

~Student is exempted from MT if he/she takes Higher Mother Tongue in secondary school and has obtained D7 or better

- Each of the JCs/MI offers different subject combinations with different requirements. Refer to the respective school website for more information.
- For students **targeting to go JCs/MI, G3 A maths and Pure sciences will be relevant** to build a good foundation for the A level H2 Maths/Science subjects.



For students taking mostly G3 subjects

Polytechnic Diploma Year 1

- From the 2028 intake, **students can use a G2 subject to compute their ELR2B2 score for admission to Polytechnic Year 1.**
- **Cut-off score will be adjusted from 26 to 22 points**, since the last 'B' subject will be mapped from G3 to G2.
For Nursing courses, the net aggregate cut-off will be adjusted from 28 to 24 points.

New from 2028 Joint Admissions Exercise

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

Extracted from FSBB changes on SEC exam timetable, Poly Year 1 admission criteria | MOE and MOE COS 2024 Infographic.



For students taking mostly G3 subjects

Polytechnic Diploma Year 1

Simplified table of Aggregate Type scores, refer to full details in [JAE: Polytechnic admission and courses](#)

Aggregate Type Field of Study	ELR2B2 -A Humanities Media	ELR2B2 -B Business & Management	ELR2B2 -C Applied/ Health Science Engineering Information & Digital Tech Maritime, Built Environment	ELR2B2 -D Design
EL	English			
R2 – 1 st subject	Art Humanities Music/ Higher Music	E Maths <u>OR</u> A Maths		
R2 – 2 nd subject	E Maths <u>OR</u> A Maths Art Chinese/ Malay/ Tamil Humanities Design & Technology Nutrition & Food Science Music/ Higher Music Principles of Accounts	Art Humanities Music/ Higher Music Principles of Accounts	Design & Technology Nutrition & Food Science Science: Pure or Combined Electronics	Art Design & Technology Nutrition & Food Science Science: Pure or Combined Electronics
B2	Best 2 other subjects – a) 1 G3 and 1 G2 subject or b) 2 G3 subjects			

For students taking G2/G3 subjects

Polytechnic Foundation Programme (PFP)

- The **Polytechnic Foundation Programme (PFP)** is a 1-year programme that offers eligible students a **practice-based preparatory pathway to a polytechnic education.**

The subjects to be used for admission are:

- English
- Maths
- 1 relevant subject
- 2 other subjects

Diploma-specific admission will apply for Nursing, Early Childhood Development & Education and Tamil Studies with Early Education.

Sciences

Design, Engineering & Technology

Humanities, Art, Media and Business

- Starting from the Academic Year 2028 intake, the **PFP will be expanded to allow students taking G3 subjects, or a mix of G2 and G3 subjects** to access PFP by mapping their G3 grade to the G2 equivalent.



For students taking G2/G3 subjects

Polytechnic Foundation Programme (PFP)

ELMAB3 (English, Mathematics, Best 3 Subjects) raw aggregate score of 12 points or better.

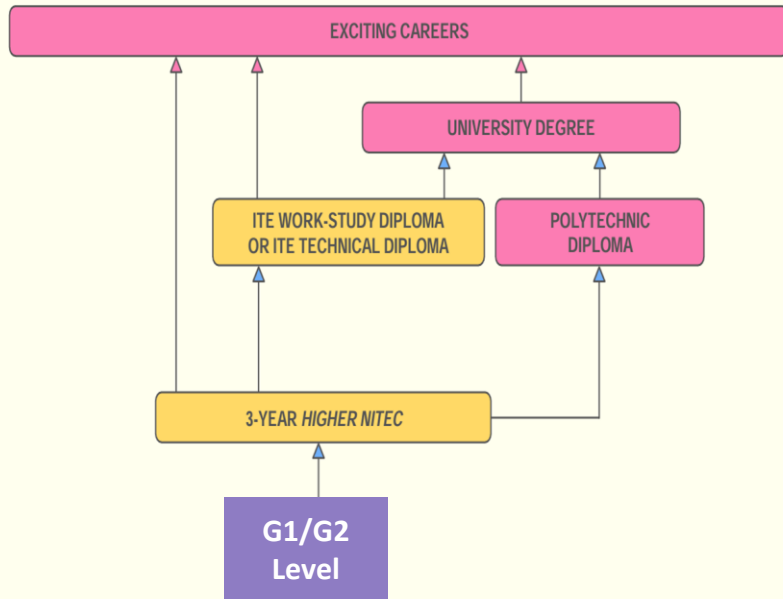
	Sciences Design, Engineering & Technology Nursing	Humanities, Art, Media and Business Early Childhood Development & Education Tamil Studies with Early Education*
EL	English Language	
MA	Mathematics	
B1	Design and Technology Food and Nutrition/Nutrition and Food Science Science (Chemistry, Biology) Science (Physics, Biology) Science (Physics, Chemistry)	Art Geography History Humanities (Social Studies, Geography) Humanities (Social Studies, History) Humanities (Social Studies, Literature in English) Literature in English Principles of Accounts
B2	Any two other subjects	

*Students applying to Tamil Studies with early education also need to obtain minimum scores for Tamil language.
Refer to [Changes to PFP starting from 2026 intake | MOE](#) for full subject requirements.

For students taking G1/G2 subjects

ITE 3-year Higher Nitec

PROGRESSION PATHWAYS



More pathways to polys for ITE students from 2027



Amelia Teng
Education Correspondent

THE STRAITS TIMES

UPDATED JUL 21, 2023, 11:22 PM SGT

More **Institute of Technical Education (ITE)** students will be given the chance to move on to polytechnics from academic year 2027, as part of efforts to expand pathways and choices for students.

Those pursuing a Higher Nitec qualification at ITE will be **guaranteed admission to a polytechnic course related to their Higher Nitec course**, if they attain a grade point average (GPA) of **3.5 or above**.



For students taking mostly G1 subjects

ITE 3-year Higher Nitec

4 subjects are used for admissions.

Examples of Minimum Entry requirements of the courses – passes in 3 subjects

3-Year Higher Nitec Course	Minimum Entry Requirements
Applied Food Science	Mathematics <u>OR</u> Science/Mobile Robotics and 2 other subjects
Chemical Process Technology	Mathematics <u>OR</u> Science/Mobile Robotics and 2 other subjects
Electrical Engineering	Mathematics and 2 other subjects
Sports Management	English Language and 2 other subjects
Pastries and Baking	English Language and 2 other subjects
Nursing	English Language, Mathematics and one other subject



Some points to remember...

1 Discovering Purpose

Guide your children to make informed decisions and own them

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

3 Staying Relevant

Embrace lifelong learning and develop your children's future-ready skills

Highlight Strengths

Talk to your child about his/ her strengths and future aspirations

Subject Relevance

Explain the need to take certain subjects and the real world-application of the subject knowledge.

Offer Encouragement

Shortlist suitable subjects combinations and encourage your child to work towards his/ her goals



ECG Conversation Starters for Parents

- Discuss with our children their goals and aspirations.

- ▶ What are your favourite subjects and Co-Curricular Activities (CCAs)? What do you like about them?
- ▶ How would you want to contribute to our community to make a positive difference?
- ▶ What are your goals and aspirations?

- Discuss with our children the different occupations and their contributions to society.
- Encourage our children to broaden their education and career possibilities.

- ▶ Which education institutions are you curious to find out more about and why?
- ▶ What information have you found about the industries or careers that you are interested in, including the education pathways leading to them?
- ▶ How do you think you can find out more about the education or career pathways you are interested in?

- Encourage our children to be adaptable and embrace lifelong learning as they seek to develop themselves.

- ▶ What are the setbacks/failures you have faced that taught you something? Can I share about a setback I experienced that helped me grow?
- ▶ What did you try that was difficult for you this week? What will you do to challenge yourself this month? *(You can make this a family challenge and get your children to ask you these questions too.)*

Useful Resources




<https://go.gov.sg/tips-for-parents>

Post-secondary

Post-secondary education comprises the paths you can take after you complete your secondary school education. Learn about the choices available for you to pursue your next phase of learning based on your interests and strengths.

Get started on your pathway options

Not sure where to begin? Use our checker to find pathway options that meet your interests and strengths.



I am and I want to

[SHOW MY PATHWAYS](#)



OVERVIEW OF POST-SECONDARY EDUCATION INSTITUTIONS (PSEI)

There are a variety of post-secondary education institutions (PSEI) available for secondary school graduates. Learn about the different types of PSEIs you can choose from, and how you can apply for them.



ADMISSIONS EXERCISES AND PROGRAMMES

Explore the different admissions exercises and programmes available to help you gain entry into a junior college, Millennia Institute, polytechnic or ITE.

SCHOOL FINDER

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

[FIND SCHOOLS](#)

COURSE FINDER

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

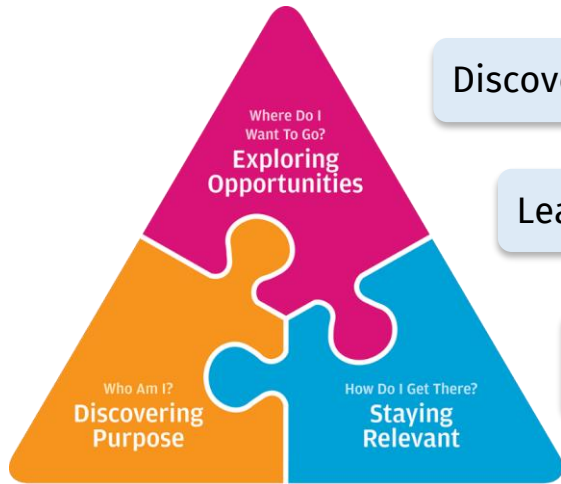
[FIND COURSES](#)

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



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In-school ECG Support for Students



Discover purpose, career choices and aspirations

Learn about Values, Interests, Personality, Strengths & Skills

Discuss factors to consider when deciding on subjects, post-secondary educational institutes and courses

For students to book ECG sessions during break or after school



Mr Elvis Sio, ECG Counsellor

Every Monday - Thursday

Venue: Room E4-02, beside IT Resource Room 1



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Student Wellbeing Updates

Ms Ang Bee Lee
Year Head



Managing School Demands

Balancing academic and non-academic demands






Progression to Secondary Three

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Common Academic Requirements at Sec 2

At the end of Sec 2, students need to **meet the common academic requirement** to offer subjects at the same subject levels to the following year (in Sec 3).



Academic Requirement

Pass English and two subjects or at least half the total number of examinable subjects offered.

- **'Pass'** refers to subject overall mark of at least 50% regardless of subject level.
- **'Half the number of total examinable subjects'** would be rounded down if the students offered an odd number of subjects.
- Examinable subjects do not include CCE, PE and lower secondary Music.



Common Academic Requirements at Sec 2

- Students who **have met** academic requirement and have **done well** could consider offering subjects at **more demanding level (MDL)**.
- Students who **have not met** academic requirement may be offered **a recalibration of curriculum load**.



Understanding your child/ward

What your child may be experiencing

- **Adjusting to higher academic demands, with deeper content in Sec 2**
- **Balancing schoolwork with growing commitments in CCAs, leadership roles and projects**
- **Navigating friendships and peer influence, which can impact mood, confidence and motivation**
- **Managing stress and emotions while making important academic choices (e.g. Sec 3 subject combinations)**
- **Experiencing typical teen changes — seeking more independence but still needing guidance**



Tips on how you can support your child

- **Recognise effort** and persistence, and celebrate small milestones as signs of growth
- **Keep communication open** about friendships, peer influence, and online experiences — these matter deeply at this stage
- Help your child see **setbacks as opportunities** to adapt, problem-solve, and grow in resilience
- **Walk alongside them** in subject selection, discussing how choices align with strengths, interests, and aspirations
- Encourage **balanced routines** — prioritising rest, exercise, screen discipline, and family time to manage stress
- Provide **encouragement and guidance**, while giving them **space** to exercise independence and responsibility





The crucial role of Parents

**Your partnership with the school:
Supporting your child together.**



Importance of Family Support

The Termly Check-In Surveys indicate that while *friends in school* are steadily growing as a source of support for Secondary School students, families remain a **primary source of support** when they are feeling stressed or anxious — demonstrating the **vital role parents play in their children's mental well-being.**



Parents remain a **primary source of support** for their child.



The Difference between Stress and Distress

Child is experiencing healthy levels of stress

Child is struggling and exhibits signs of distress.

Child is having a very difficult time.

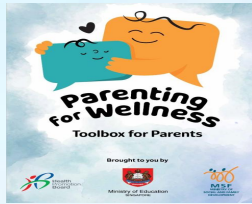


Stress Indicator



How can you support your child?

Look out for these signs of **DISTRESS** which indicate your child may need help to cope.



Scan the QR Code to read more about stress vs distress in the Parenting for Wellness toolbox. For the full toolbox, please refer to the additional resources slide at the end of the deck.

- D** Deliberately avoiding others
- I** Increased irritability, restlessness, agitation, stress and anxiety
- S** Sending or posting moody messages on social media
- T** Talking about death or dying
- R** Reacting differently or gradually losing interest in things they used to like
- E** Eating more than usual or having a much reduced appetite
- S** Sleep pattern changes with difficulty falling asleep or oversleeping
- S** Slowing down of energy levels



If you observe that your child may be struggling or showing signs of needing more support, you may use **C.H.E.E.R** to guide your conversations and support your child.



Scan the QR Code to read an example in the Parenting for Wellness toolkit, of how CHEER can be used. The full toolbox is available at the end of the presentation.



Calm them down



Hear them out



Empathise with their feelings



Encourage them to seek help



Reassure them



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Source: Parenting For Wellness Toolkit

Supporting Your Child's Mental Well-Being Through School-Home Partnership (SHP)

3 areas where we can work together to foster SHP

1 Respectful Communication



2 Role Models

3 Real Connections



Respectful Communication

Open, respectful conversations between educators and parents deepen our understanding of each child, enable a coordinated & holistic support for the child and model healthy communication for our students.



Share observations about your child's emotional state, stress levels, and social interactions



Listen to and understand each other's perspectives and concerns regarding your child



Communicate kindly and respectfully with one another



Role Models

Model the skills and values our children need for their mental well-being



Demonstrate healthy ways to manage stress, setbacks and difficult emotions



Show children it is okay to ask for help when struggling



Model self-care



Check out this video on MOE YouTube for tips on how parents can support the social-emotional learning of their children.

Real Connections

Building strong bonds and genuine connections helps nurture a sense of belonging and emotional safety, supporting mental well-being of your child

Teach children to recognise and communicate their emotions effectively

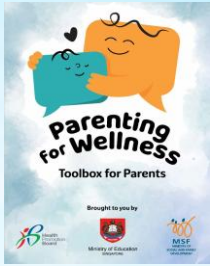
Build strong bonds through shared experiences and meaningful conversations

Establish routines that support mental wellness (outdoor time, sufficient sleep, family time, limit screen time, etc)



Providing a safe space for conversations

Tips taken from Parenting For Wellness Toolkit (p.11)



<https://go.gov.sg/pfwp11>

This QR code takes you directly to page 11 of the toolbox. The full toolbox is available at the end of the presentation.



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✔ Things You Can Do



Listen attentively. Maintain eye contact and put away your devices to show that you are paying attention.



Ensure that the environment is conducive and comfortable for your child. E.g. recreate an environment where your child had previously opened up to you, and have the conversation in a place where your child feels they have privacy.



Listen to understand, instead of listening in order to give advice and offer solutions.



Take a step back to calm down if things get heated, and return to the conversation after calming down.



Check that your child is comfortable with you sharing what they have told you with other people. If you have to do so out of concern for their safety, explain to your child why it is necessary.

○ Things You Can Say

- Use open ended questions to find out more about your child's perspectives and feelings.

How did that make you feel?

- Acknowledge that your child's opinions and feelings are valid, even if you disagree with them or do not fully understand them.

I hear that you are feeling frustrated.

- Let your child know that it is natural to experience these feelings, and that you experience them too.

I can see why you are upset.
I would be too.

- If you are not sure what else to do, you can let your child know you are concerned for them, and offer support or a listening ear.

How can I help? What support do you need from me?

We value your partnership to raise a 'Happy, Kind and Confident Generation Together'.

**1 Respectful
Communication**



2 Role Models

3 Real Connections



Parenting Resource: Parenting for Wellness

Keen to find out more about building strong parent-child relationships, supporting our children's mental well-being, and parenting in the digital age?




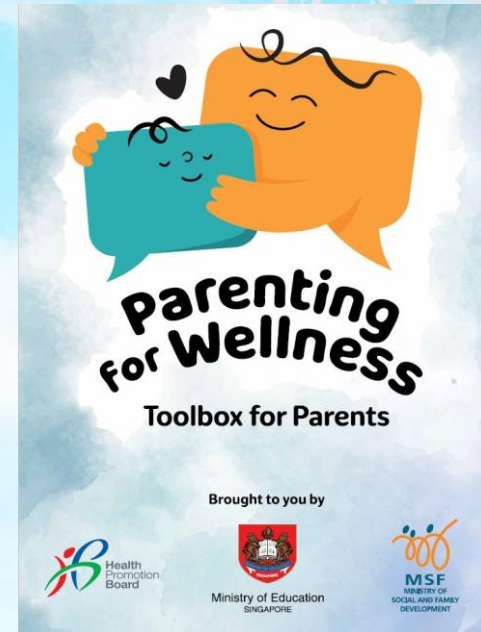
For more bite-sized resources (practical tips and strategies), scan the QR code on the right to download a copy of the **Parenting for Wellness** Toolbox for Parents.

<https://go.gov.sg/pfw-toolbox-for-parents>



For personalised access to the full suite of parenting resources, check out the **Parenting for Wellness** website on Parent Hub (hosted by HPB)! Scan the QR code on the left to access the website.

 <https://go.gov.sg/hbphw>
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Movement to Breakout Rooms



Subject Selection Briefing (G2/G3)

**Mr Soh Ming Quan
HOD/ICT**

**PROPOSED SEC 3
SUBJECT COMBINATIONS IN 2027**

OBJECTIVES OF SUBJECT SELECTION EXERCISE

Combinations, Guidelines and Criteria Provided to:

- **Develop students' areas of interest / strength;**
- **Maximise students' potential;**
- **Match students' aspirations with available and appropriate school resourcing.**



SUBJECT COMBINATIONS FOR SEC 3 G2 COURSE IN 2027



SUBJECT COMBINATIONS FOR STUDENTS OFFERING MOSTLY G2 SUBJECTS

G2 ENGLISH LANGUAGE

G2 MOTHER TONGUE

G2 MATHEMATICS

**G2 SCI
(PHY/CHEM)**

or

**G2 SCI
(CHEM/BIO)**

**G2 SS +
GEOG**

or

**G2 SS +
HIST**

or

**G2 SS +
LIT**

**G2/G3
ART**

or

**G2/G3
D&T**

or

**G2/G3
NFS**

or

**G3
MUSIC**

**D&T – Design and
Technology**
**NFS – Nutrition and
Food Science**

SUBJECTS AT MORE DEMANDING LEVEL FOR STUDENTS OFFERING MOSTLY G2 SUBJECTS

The following subjects may also be offered at G3 Level as **more demanding level** subjects for **G2** students who fulfil the subject-specific criteria:

- English Language
- Mother Tongue Languages
- Science
- Mathematics
- Humanities

ELIGIBILITY CRITERIA FOR OFFERING G3 LEVEL SUBJECTS IN SEC 3 (FOR STUDENTS NOT ALREADY OFFERING THE SUBJECT AT G3)

Subjects	Criteria
G3 English	75% or higher for respective subject at G2 level
G3 Mother Tongue	
G3 Science (PHY/CHEM) or (CHEM/BIO)	
G3 Mathematics	
G3 Humanities (SS + Geo or Hist or Lit)	

Note:

- 1. Students can continue with the corresponding more demanding level subject(s) in Sec 3 as long as they pass the subject(s).**
- 2. Students who are eligible to offer MDL subjects will receive a letter of offer via PG/ All Ears to indicate whether they wish to accept the offer.**



SUBJECT COMBINATIONS FOR SEC 3 G3 COURSE IN 2027



E1 – PURE SCIENCE + ADDITIONAL MATH (7 SUBJECTS)

G3 ENGLISH LANGUAGE

G3 MOTHER TONGUE

G3 MATHEMATICS

G3 ADDITIONAL MATH

G3 PURE CHEMISTRY

G3 PURE PHYSICS

or

G3 PURE BIOLOGY

G3 SS +
GEOG

or

G3 SS
+ HIST

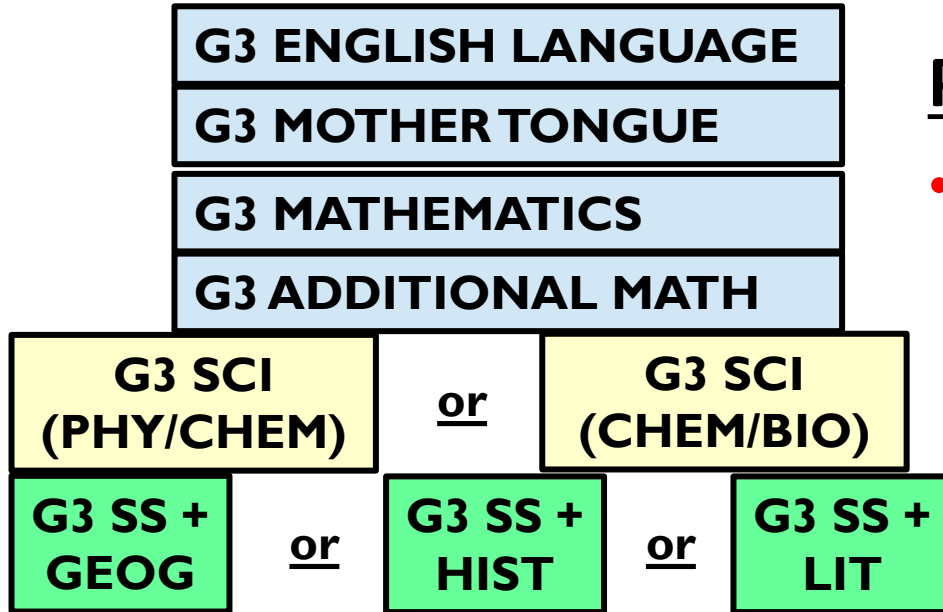
or

G3 SS
+ LIT

Pre-requisites:

- At least 70% (overall) for G3 Science and
- At least 65% (overall) for G3 Math

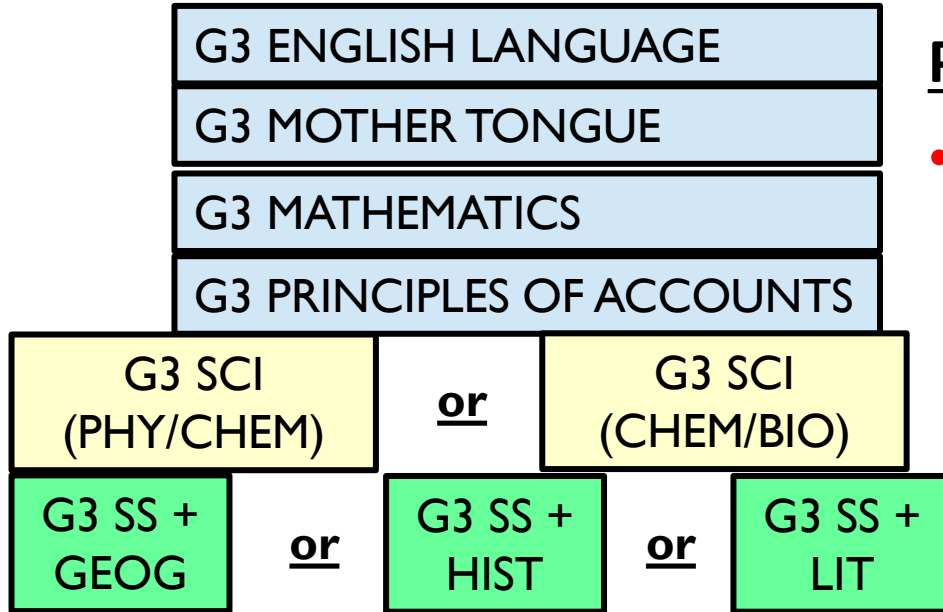
E2 – ADDITIONAL MATH (6 SUBJECTS)



Pre-requisites:

- At least 65% (overall) for G3 Math

E3 – PRINCIPLES OF ACCOUNTS (6 SUBJECTS)



Pre-requisites:

- At least 50% (overall) for G3 Math

E4A TO E4D – COURSEWORK / ELECTIVE (6 SUBJECTS)

G3 ENGLISH LANGUAGE

G3 MOTHER TONGUE

G3 MATHEMATICS

G3 SCI
(PHY/CHEM)

or

G3 SCI
(CHEM/BIO)

G3 SS +
GEOG

or

G3 SS +
HIST

or

G3 SS +
LIT

G2/G3
ART

or

G2/G3
D&T

or

G2/G3
NFS

or

G3
MUSIC

Pre-requisites:

- **Grade A for Music and satisfy most of the criteria in the audition test for G3 Music**
- **Minimum of 60% for Art/D&T/FCE to offer at least G2 Art/ D&T/ NFS**

D&T – Design and Technology
NFS – Nutrition and Food Science

ELIGIBILITY CRITERIA FOR OFFERING G3 ART/D&T/NFS

Subjects	Criteria
G3 Art / G3 Design & Technology / G3 Nutrition & Food Science	70% or higher for Art / D&T / FCE (for NFS) overall

ELIGIBILITY CRITERIA FOR G3 MUSIC

Subject	Criteria
G3 MUSIC	<ol style="list-style-type: none"><li data-bbox="622 514 1277 574">1. Grade A for Music<li data-bbox="622 607 1731 845">2. Satisfy most of the criteria in the music audition test

Note:

1. Whether your child is given the subject combination he/she chooses will be determined by:
 - **Merit / results** of the student (*how well did you do compared to others?*)
 - **Availability of vacancies** in the subject (*how many classes of this subject will be open?*)
 - **Demand** from students for the subject (*how many students choose this subject?*)

Consistent hard work throughout the year is crucial.

SUBJECTS BRIEFING



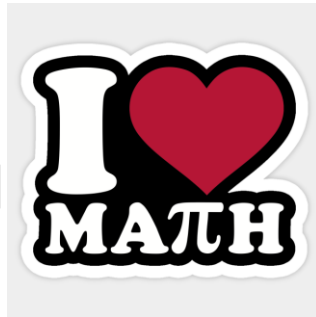
ADDITIONAL MATHEMATICS (A MATH)



THE A MATH SYLLABUS

Aims to enable students who have **higher ability in Math** and a **strong interest** to:

- ✓ **Acquire knowledge and skills for higher studies in Math** and support learning in **other subjects, including Science**
- ✓ **Develop thinking, reasoning, communication and application in higher level problem solving**
- ✓ **Connect ideas between math and sciences**
- ✓ **Understand the abstract nature and power of Math**



HOW IMPORTANT IS ADDITIONAL MATH?

- **Additional mathematics lays a strong foundation for advanced studies in courses such as **engineering, physics, computer and data science**. Many higher education courses require a solid understanding of mathematical concepts covered in additional mathematics.**
- **In JC, **H2 Mathematics** assumes knowledge of some of the content from **G3 Additional Mathematics**. Students who did not take Additional Mathematics will be expected to take bridging lessons in JC (either through self-directed learning or short lessons).**

CONSIDERATIONS

- **As students will be learning Math at a higher level, they must be prepared to work on more demanding problems and exercise resilience and responsibility in completing their assignments.**
- **Students are expected to invest twice the amount of time in studying Math as the content for Math and Add Math are different, hence more time required to complete assignments.**



G3-LEVEL PRINCIPLES OF ACCOUNTS



WHAT IS G3-LEVEL PRINCIPLES OF ACCOUNTS?

- **Students will learn and understand:**
 - **what business decisions are**
 - **decisions are made using accounting information**
 - **the limitations of relying only on accounting information; and**
 - **the consideration of non-accounting business-related information.**

CHOOSING G3-LEVEL PRINCIPLES OF ACCOUNTS

- **The content of the syllabus covers :**

**Roles of
accounting**

**Financial
statements**

**Assets,
equities,
liabilities**

**Accounting
information
system**

**Types of
businesses**

ASSESSMENT MODE

Paper 1 – Written Paper- 40% (1 hr)

3-4 compulsory questions

Paper 2 – Written Paper – 60% (2 hr)

4 compulsory questions

- **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.**



PURE SCIENCE / COMBINED SCIENCE



PURE SCIENCE VS COMBINED SCIENCE

JUNIOR COLLEGE

1

Pure Science subjects are generally required to qualify for H2 Science subjects at the A Levels. However, students who take combined Science can still enter JCs.

2

More Handling/ Problem Solving Questions

Approximately 55% of the paper has to do with handling information and problem solving

3

Higher Practical Weightage

Practical component takes up 20% of the overall marks

4

More Timetabled Time

10 periods per week for both Pure Science subjects (6 hours)

1

POLYTECHNIC

Combined Science subjects will allow students to offer Science courses at the Polytechnics

2

More Knowledge with Understanding/Recall questions

Approximately 50% of the paper is about knowledge with understanding with 20% recall questions

3

Lower Practical Weightage

Practical component takes up 15% of the overall marks

4

Less Timetabled Time

6 periods per week for combined Science (3.5 hours)

Band theory and electrical conductivity

Silicon is an important element for semiconductors because its electrical conductivity increases as energy in the form of light or heat is supplied to it.

The increase in electrical conductivity of silicon when light or heat is supplied can be explained using the Band Theory of Solids.

In the Band Theory of Solids, valence electrons in most non-metallic solids occupy an energy level called the valence band. In the valence band, electrons are fixed to each atom and cannot move freely throughout the solid unless additional energy is supplied to them. If sufficient energy is supplied to the electrons, they can be promoted into the conduction band, where they become delocalised and can move freely throughout the solid.

The **band gap** is the amount of additional energy needed to promote electrons from the valence band to the conduction band in order for them to become delocalised and to allow the material to conduct electricity.

Fig. 9.2 shows the band gap in carbon, silicon and germanium at room temperature.

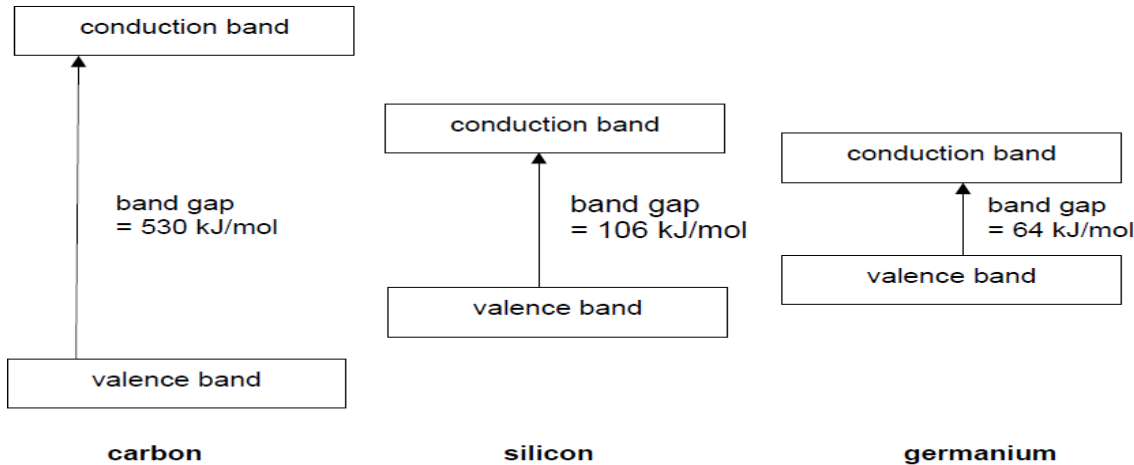


Fig. 9.2

EXAMPLE OF
PURE SCIENCE
DATA-BASED
QN

HOW IMPORTANT IS PURE SCIENCE?

- EXAMPLES OF CRITERIA TO OFFER 4 H2 SUBJECTS IN JC

To offer 4 H2 combination in JC A (2025):

- **LIR5 \leq 11 (raw score), AND**
- **Distinction in Additional Mathematics, AND**
- **At least B3 in the relevant pure Science subjects.**

To offer 4 H2 combination in JC B (2025):

- **LIR5 \leq 12 (raw score), AND**
- **Strong Grades in Additional Mathematics, AND**
- **Strong Grades in the relevant pure Science subjects.**

Pure Science is useful for students who wish to offer 4 H2 subject combinations at JC.

Combined Science students may still enter JC using their LIR5 scores, but may only be offered 3 H2 + 1 H1 subject combinations.

HOW IMPORTANT IS PURE SCIENCE?

- EXAMPLES OF CRITERIA TO OFFER H2 CHEM + H2 PHY/BIO IN JC

To offer H2 CHEM + H2 PHY/BIO in JC A (2025):

- **For Pure Science students:** At least C6 in Pure Chemistry and Pure Physics / Pure Biology
- **For Combined Science students:** A1 or A2 in Sci (Phy/Chem) or Sci (Chem/Bio)

To offer H2 CHEM + H2 PHY/BIO in JC B (2025):

- **For Pure Science students:** At least C6 in Pure Chemistry and Pure Physics / Pure Biology
- **For Combined Science students:** A1 or A2 in Sci (Phy/Chem) or Sci (Chem/Bio)

Combined Science students may still enter JC using their LIR5 scores, but will require an A1 or A2 in their Combined Science subject to be offered H2 Chemistry + H2 Physics / Biology.

Physics vs Biology

Chemistry is a common Science regardless of whether students choose Pure or Combined Science, as it is a pre-requisite for most post-secondary school courses.

1

Choice does not affect Post-Secondary Pathway @ Polytechnic

Biology requires much conceptual understanding and recall of information which may not be easier than the calculations for Physics/Mathematics

Do not choose Biology just because you do not like Physics/Mathematics

2

Choosing Physics / Biology does not affect your post-Secondary pathways – students who have not taken the Biology can still qualify for Biology related courses at the Polytechnics for example. Students may be required to take bridging courses.

3

Consider your personal interests!

Do consider the topics taught for Physics (e.g. Electricity, Waves, Kinematics, Forces) as well as Biology (Plant/Animal transport system, digestive system) to consider the ones you might be more interested in

4

Consider your aptitude

Students sometimes choose one subject over the other because of their subject teachers at Sec 2. Do consider which subject you are more likely to do better at the O Levels!



MOTHER TONGUE LANGUAGES



COMMON MTL EXAMINATION SITTING FROM 2027

- **From 2027, G1/G2/G3 MTL and Higher MTL examinations will be held in one sitting in September alongside EL written examinations.**
- **The non-written examination components i.e. oral, listening comprehension will continue to be held before the start of the written exams.**

MTL ADMISSIONS CRITERIA FOR JC/MI

- **Grade requirement for MTL for JC/MI admissions:**

Any 1 Mother Tongue Language:	Grade
MTL: Chinese, Malay, Tamil	HMTL: 1-8
MTL-in-lieu: Bengali, Gujarati, Hindi, Punjabi, Urdu, French, German, Japanese, Arabic, Burmese, Thai ⁺	MTL/MTL-in-lieu: <ul style="list-style-type: none">• 1-7 at G3• 1-5 at G2• A-D at G1

⁺Bengali, Gujarati, Hindi, Punjabi and Urdu are only offered at G3 and G2, and French, German, Japanese, Arabic, Burmese and Thai are only offered at G3.

- **Downward grade mapping provision is not applicable for students to meet the minimum MTL grade requirements for admission to JC/MI.**

OFFERING OF H1 MTL AND MTL‘B’ AT PRE-U LEVEL (JC/MI) WITH FULL SBB

- **From 2028, with Full SBB, students who had passed G3 MTL will continue to offer H1 MTL at Pre-U level.**
- **Students who had offered G2 MTL may offer H1 MTL if they are able to cope with demands of the subject, i.e. have scored Grades 1 and 2 at the SEC examinations.**
- **MTL‘B’ at Pre-U level will be re designed to better cater to students who had offered G1 or G2 MTL.**

WHAT CAN I DO TO SUPPORT MY CHILD?

- **Brave the future together with your child by making time to have a conversation about your child's strengths, interests and aspirations.**
- **Explore aspirations and course choices together by reading up on the syllabi for subjects on SEAB website (www.seab.gov.sg) and also the admissions requirements and course outline for different JC/Poly/ITE courses on CourseFinder (<https://www.moe.gov.sg/coursefinder>)**

**PROPOSED SEC 3
SUBJECT COMBINATIONS IN
2027**

OBJECTIVES OF SUBJECT SELECTION EXERCISE

Combinations, Guidelines and Criteria Provided to:

- **Develop students' areas of interest / strength;**
- **Maximise students' potential;**
- **Match students' aspirations with available and appropriate school resourcing.**



Subject Selection Briefing (G1)

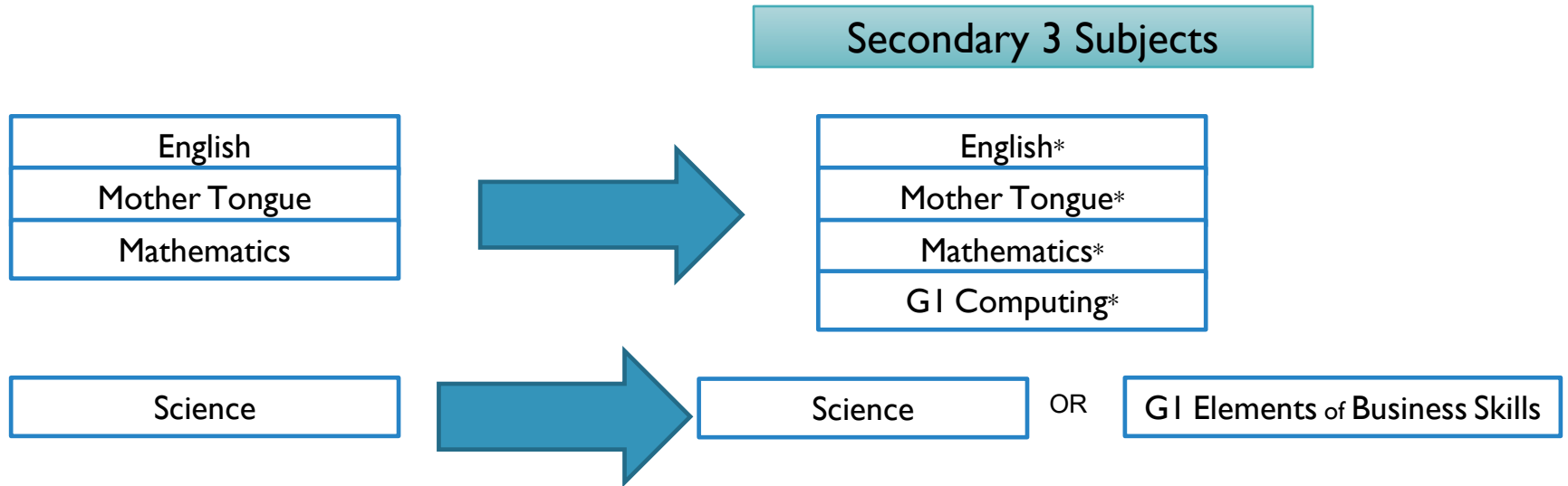
Mdm Salmi
SH/Data Management



**SUBJECT COMBINATIONS FOR
SEC 3 G1 COURSE IN 2027**



SUBJECT COMBINATIONS OPTIONS FOR SEC 3 G1 COURSE



SUBJECT COMBINATIONS OPTIONS FOR SEC 3 G1 COURSE

G1 subjects

Subject Combination

- 1. English**
- 2. Mother Tongue**
- 3. Mathematics**
- 4. Computing**
- 5. Science or Elements of Business Skills (EBS)**

SUBJECTS AT MORE DEMANDING LEVEL FOR G1 COURSE STUDENTS

The following subjects may also be offered at G2 Level as **more demanding level** subjects for students offering mostly **G1** subjects who fulfil the subject-specific criteria:

- English Language
- Mother Tongue Languages
- Science
- Mathematics
- Humanities

ELIGIBILITY CRITERIA FOR OFFERING G2 LEVEL SUBJECTS IN SEC 3 (FOR STUDENTS NOT ALREADY OFFERING THE SUBJECT AT G2)

Subjects	Criteria
G2 English	75% or higher for respective subject at G1 level
G2 Mother Tongue	
G2 Science (PHY/CHEM)	
G2 Mathematics	

ELIGIBILITY CRITERIA FOR G2 HUMANITIES FOR STUDENTS OFFERING MOSTLY G1 SUBJECTS

Subject	Criteria
<p data-bbox="69 517 513 567">G2 HUMANITIES</p> <ul data-bbox="98 634 662 918" style="list-style-type: none"><li data-bbox="98 634 662 691">• SS + GEOGRAPHY /<li data-bbox="98 751 552 808">• SS + HISTORY /<li data-bbox="98 868 600 918">• SS + LITERATURE	<ol data-bbox="745 484 1808 1023" style="list-style-type: none"><li data-bbox="745 484 1808 618">1. Distinction in G1 Humanities for both semesters <u>and</u><li data-bbox="745 812 1827 1023">2. At least 75% for G1 English Language <u>or</u> At least 50% for G2 English Language

Note:

- 1. G1 students can continue with the corresponding more demanding level subject(s) in Sec 3 as long as they pass the subject(s).**
- 2. Students who are eligible to offer MDL subjects will receive a letter of offer via PG/ All Ears to indicate whether they wish to accept the offer.**

For students taking mostly G1 subjects

ITE 3-year Higher Nitec

4 subjects are used for admissions.

Examples of Minimum Entry requirements of the courses – passes in 3 subjects

3-Year Higher Nitec Course	Minimum Entry Requirements
Applied Food Science	Mathematics <u>OR</u> Science/Mobile Robotics and 2 other subjects
Chemical Process Technology	Mathematics <u>OR</u> Science/Mobile Robotics and 2 other subjects
Electrical Engineering	Mathematics and 2 other subjects
Sports Management	English Language and 2 other subjects
Pastries and Baking	English Language and 2 other subjects
Nursing	English Language, Mathematics and one other subject

Thank you!



Q & A