

# Sec 2 Parent Engagement

Upper Secondary Subject Allocation  
Mayflower Secondary School  
25 August 2025

# Objectives

1. Highlight key considerations in making subject choices at Upper Secondary.  
(Details of each subject is already uploaded into the school website)
  - a. Sciences
  - b. Humanities
  - c. Craft & Technology
  - d. Principles of Accounts
  - e. Additional Mathematics
2. Provide a platform for parents to ask questions.
  - a. Address the questions asked via PG.
  - b. Invite parents to ask questions.

# Programme Outline

- Recap of Engagement Sessions
- Sharing the considerations in making the choice
  - Science
  - Humanities
  - Craft & Technology
  - Principles of Accounts
  - Additional Mathematics
- Q&A

RECAP

# Recap

- Parent engagement on 13 May 2025
  - Post-secondary landscape and options for your child (ECG Counsellor)
  - Mayflower subject offerings in Upper Secondary in 2026 (FSBB Team)
- Student engagement
  - 16 April 2025 - ECG Talk on Post-Secondary Pathways
  - 21 April 2025 - Subject Combination
  - 25 July 2025 - Linking their ApLM modules to ECG
  - 20 August 2025 - Information on the subjects offered at Upper Secondary

# Mapping - Demand level of a subject

Demand Level of a Subject	Syllabus Mapped from
G3	Express
G2	Normal (Academic)
G1	Normal (Technical)

*E.g.*

*Previously: A student from the N(A) stream doing Express Science*

*Now: A student taking Science at G3 - means the content is from the EXPRESS level content*

SUBJECTS OFFERED IN UPPER SECONDARY

# Subject Offerings

	Subject 1	Subject 2	Subject 3	Subject 4	Subject 5	Subject 6	Subject 7
Option 1	English G3	Math G3	MTL	Chem G3	Hum G3	Amath G3	Phy G3
Option 2	English G3	Math G3	MTL	Chem G3	Hum G3	Amath G3	Bio G3

- All subjects will be offered at G3 Level, except MTL. Students may be offered to do MTL at G2 or G1.
- Both Options would enable students to take up any post-secondary route as min of **5 G3 subjects is met**. These options are **strongly encouraged, especially if students would like to consider Sci courses in the JC/MI**.



# Subject Offerings

	Subject 1	Subject 2	Subject 3	Subject 4	Subject 5	Subject 6	Subject 7
Option 3	English G3	Math G3	MTL	Combined Sci G3	Hum G3	Amath G3	POA G3
Option 4	English G3	Math G3	MTL	Combined Sci G3	Hum G3	Amath G3	NFS/D&T/Art G3
Option 5	English G3	Math G3	MTL	Combined Sci G3	Hum G3	POA G3	NFS/D&T/Art G3

- All subjects will be offered at G3 Level, except MTL. Students may be offered to do MTL at G2 or G1.
- All options would enable students to take up any post-secondary route as min of **5 G3 subjects is met.**

# Subject Offerings

	Subject 1	Subject 2	Subject 3	Subject 4	Subject 5	Subject 6
Option 6	English G2	Math G2	MTL	Combined Sci G2	Hum G2	A Math G2
Option 7	English G2	Math G2	MTL	Combined Sci G2	Hum G2	POA G2
Option 8	English G2	Math G2	MTL	Combined Sci G2	Hum G2	Art /NFS / D&T G2

- All subjects will be offered at G2 Level, except MTL. Students may be offered to do MTL at G1 or G3.
- All options would enable students to pursue at least a PFP or Sec 5 as their post-secondary route as minimum of **5 G2 subjects is met.**

# Subject Offerings

	Subject 1	Subject 2	Subject 3	Subject 4	Subject 5	Subject 6	Non-Exam
Option 9	English G1	Math G1	MTL	Science G1	Computing G1	Art / D&T G1	SS/HEM
Option 10	English G1	Math G1	MTL	Science G1	Computing G1	EBS G1	SS/HEM

- All subjects will be offered at G1, except MTL. Students may be offered to do MTL at G2 or G3.
- Options will enable students to continue at ITE as minimum of **4 G1 subjects is met.**

# What subjects to choose? Guiding principles

## Strength

- **Natural talent, quality**, or **personal trait** that gives the **student an advantage**
- Example, problem-solving, perseverance, leadership
- **Consistent** and can be **developed further**

## Ability

- **Skill** or **knowledge** a student has acquired through **learning and practice**
- Example, ability to solve algebraic equations easily; write persuasive essays
- Can be **improved** with **time** and **effort**

## Interests

- Things you **like** to do or are **curious** about
- Your **preferences** and what you like to spend **time** on

## SUBJECTS OFFERED

# Science Options

	G3	G2	G1
<b>Pure Science</b>			
Chemistry (Compulsory)	✓		
Physics	✓		
Biology	✓		
<b>Combined Science</b>			
Physics/Chemistry	✓	✓	
Biology/Chemistry	✓	✓	
<b>Science</b>			✓

Choice to make

1. Pure or Combined Science
2. Physics or Biology

# Considerations in making the choice

Should I choose Pure Science or Combined Science?

	Strengths	Ability
<b>Pure Sciences</b>	<ul style="list-style-type: none"><li>• Strong <b>analytical</b> and <b>logical thinking</b></li><li>• <b>Perseveres</b> with challenging, abstract concepts</li><li>• <b>Curious</b> about details and enjoys going deep into one subject</li><li>• Comfortable handling heavier academic workload</li></ul>	<ul style="list-style-type: none"><li>• Have <b>strong foundation</b> in sciences</li><li>• Able to handle <b>rigorous</b>, higher-order questions</li><li>• <b>Precise</b> in explanations and application of concepts</li></ul>
<b>Combined Sciences</b>	<ul style="list-style-type: none"><li>• <b>Adaptable</b> across different science domains</li><li>• Prefers <b>variety</b> and <b>linking concepts</b> across subjects</li><li>• Sees the “<b>big picture</b>” and enjoys <b>real-world applications</b></li><li>• Able to balance workload with other subjects</li></ul>	<ul style="list-style-type: none"><li>• Have <b>good foundation</b> in sciences</li><li>• Able to <b>integrate knowledge</b> when solving application-based questions</li><li>• Practical in applying science across varied contexts</li></ul>

# Considerations in making the choice

Should I take Physics or Biology?

	Physics	Biology
<b>Interests</b>	<ul style="list-style-type: none"><li>• Interested in how the physical world works (forces, energy, motion, electricity)</li><li>• Willing to spend time mastering key principles</li><li>• Math proficiency helps with problem solving</li><li>• Consistent practice builds strength</li><li>• Considered a “fundamental science” for many math/science-related pathways</li></ul>	<ul style="list-style-type: none"><li>• Interested in life sciences and human systems</li><li>• Willing to spend time mastering key information</li><li>• English proficiency helps with understanding and recalling terminology</li><li>• Consistent recall is important for success</li></ul>



# Humanities Options

	G3	G2	G1 Non Examinable
<b>Combined Humanities</b>			
Social Studies (Compulsory)	✓	✓	✓
Geography Elective	✓	✓	
History Elective	✓	✓	
Literature Elective	✓		
<b>HEMS</b>			✓

Choice to make

1. Geography, History or Literature Elective

# Considerations in making the choice - Which elective should I choose?

	GEOGRAPHY	HISTORY	LITERATURE
Strengths & Abilities	<p><b>Analytical &amp; Critical Thinking:</b> Ability to interpret maps, graphs, data sets, and case studies</p> <p><b>Problem-Solving Mindset:</b> Capacity to link physical and human processes (e.g., climate change, urbanisation) and evaluate possible solutions.</p> <p><b>Communication Skills:</b> Able to write structured, evidence-based answers that explain causes, effects, and strategies.</p>	<p><b>Strong Reading &amp; Comprehension:</b> Ability to work with large amounts of text. [primary &amp; secondary sources]</p> <p><b>Critical Evaluation:</b> Assessing reliability, bias, and perspective in sources. Understanding cause and effect in history. Synthesising lots of information.</p> <p><b>Essay-Writing Skills:</b> Building well-structured arguments, using evidence to support points, and writing under time pressure.</p> <p><b>Memory &amp; Recall:</b> Remembering key dates, events, people, and themes, and being able to apply them in an argument.</p>	<p><b>Analytical &amp; Critical Appreciation:</b> Ability to analyse text and show depth of understanding of writer's choice of words (diction), characterisation and themes. Ability to show the effectiveness of techniques used.</p> <p><b>Writing Skills:</b> Building well-structured arguments, using evidence to support points, and writing effectively with time management.</p> <p><b>Memory &amp; Recall:</b> Remembering key plot and character development and being able to apply them in an argument.</p> <p><b>Communication skills:</b> Ability to organise ideas clearly and write persuasively.</p>

# Considerations in making the choice - Which elective should I choose?

	GEOGRAPHY	HISTORY	LITERATURE
Interests	<p>Curiosity about <b>current global issues</b> (climate change, migration, globalisation, sustainability).</p> <p>Enjoyment of <b>both science and social studies</b> (since geography blends physical sciences with human behaviour).</p> <p>Interest in how <b>places, people</b>, and <b>environments</b> are connected.</p>	<p>Curiosity about <b>the past and how it shapes the present</b> (politics, conflict, revolutions, social change).</p> <p>Enjoyment of <b>reading and storytelling</b> - history involves analysing human experiences and narratives.</p> <p>Willingness to <b>debate and argue viewpoints</b> with evidence.</p>	<p>Curiosity about how <b>characters are complex</b> and how their <b>relationships</b> work.</p> <p>Enjoyment of <b>reading and storytelling</b> - how compelling life experiences affect characters and their choices</p> <p>Willingness to take a stand or <b>debate and explore perspectives</b> with evidence</p>

# Electives

If you choose **Combined Science**, you can choose from the following electives

- Art
- Design & Technology (D&T)
- Nutrition & Food Science (NFS)
- Principles of Accounts (POA)
- Additional Mathematics (AMaths)

Let's find out a bit more about these subjects

# Craft & Technology Options

	G3	G2	G1
Art	✓	✓	✓
Design & Technology (D&T)	✓	✓	✓
Nutrition and Food Science (NFS)	✓	✓	

Choice to make

- Art, D&T, NFS

## Considerations in making the choice - Which elective should I choose?

	Strengths	Ability	Interest
<b>Art</b>	<ul style="list-style-type: none"><li>● Critical thinker</li><li>● Enjoys problem solving through art and design processes.</li><li>● Observant</li><li>● Reflective.</li><li>● Good time management</li></ul>	<ul style="list-style-type: none"><li>● Enjoys sketching and reflects to improve it.</li><li>● Able to plan and manage own processes.</li><li>● Patient to experiment materials, tools and equipments.</li></ul>	<ul style="list-style-type: none"><li>● Keen to pursue design field such as interior, fashion,etc.</li><li>● Interested in media related courses such as animation, video game graphics, videography, light and sound, etc.</li><li>● Passionate about making a statement to the world with fine arts such as ceramics, watercolourist</li></ul>
<b>D&amp;T</b>	<ul style="list-style-type: none"><li>● Creative thinker</li><li>● Enjoys solving problems through product design and making</li></ul>	<ul style="list-style-type: none"><li>● Good at sketching</li><li>● Strong spatial intelligence (able to visualise objects in 3D easily)</li><li>● Able to plan and carry out the making process for design solutions</li></ul>	<ul style="list-style-type: none"><li>● Keen to pursue design or engineering course</li><li>● Interested in project management and product development-related activities</li></ul>

## Considerations in making the choice - Which elective should I choose?

	Strengths	Ability	Interest
NFS	<ul style="list-style-type: none"><li>• Curious and creative</li><li>• Confident in cooking and carrying out food investigation</li><li>• Observant</li><li>• Good time management</li></ul>	<ul style="list-style-type: none"><li>• Ability to follow recipes, problem solve-can adapt recipes, troubleshoot cooking issues</li><li>• Able to communicate processes, findings and evaluate clearly</li></ul>	<ul style="list-style-type: none"><li>• Keen to pursue food science, nutrition and health or culinary related courses</li><li>• Enjoys cooking and experimenting with food</li><li>• Curious about reducing food waste, making eco-friendly food choices, or comparing products when shopping.</li></ul>

# Principles of Accounts and Additional Mathematics Options

	G3	G2	G1
POA	✓	✓	
Add Maths	✓	✓	



# Considerations in making the choice

Should I take POA?

	Strengths	Ability	Interest
POA	<ol style="list-style-type: none"><li>1. <b>Critical and inventive thinking</b> - ability to see relationships in the elements of accounting</li><li>2. <b>Interpretation and Analysis skills</b> - analyse business transactions and effects on financial statements</li><li>3. <b>Synthesis and organisation skills</b> - prepare financial statements and accounts</li></ol>	<ol style="list-style-type: none"><li>1. General <b>numeracy skills</b> - add, subtract, multiply, divide, calculate ratios</li><li>2. <b>Memorise definitions and formats</b> of accounts and financial statements</li><li>3. Give attention to <b>details and accuracy</b> in calculation</li><li>4. <b>Logical, Structured and organised</b></li></ol>	<ol style="list-style-type: none"><li>1. Business in general</li><li>2. How business makes profit and loss</li><li>3. Accounting as a possible career choice</li></ol>

# Considerations in making the choice

Should I take Add Math?

	Strengths	Ability	Interest
<b>Add Math</b>	<ul style="list-style-type: none"><li>• Algebraic Manipulation</li><li>• Geometry - Spatial visualisation</li></ul>	<ul style="list-style-type: none"><li>• Able to explain mathematical concepts</li></ul>	<ul style="list-style-type: none"><li>• Enjoys proving / deriving Math formula</li><li>• Enjoys solving complicated problems in a systematic way</li></ul>

# TIMELINE

# Timeline and Administration

Date	Event
25 August 2025	Parent Engagement
After EOY Exams	Final briefing for students
17 to 23 October 2025 **tentative	Submission of option forms [All Ears online platform]
3 to 5 November 2025	Release of results to students
3 to 10 November 2025	Submission of appeals to General Office
13 to 14 November 2025	Release of appeal outcomes
17 to 20 November 2025	Release of 2026 Sec 3 class allocation

Q&A

# Common Questions - Science & Mathematics

1. Eligibility for taking Pure Science.
  - A strong foundation in Lower Secondary Science and a keen interest in the subject.
2. Difference between Pure Science and Combined Science.
  - The key differences can be found in the comprehensive deck of slides which we have uploaded to the school website. The considerations in deciding were unpacked earlier.
3. Is Biology offered to non express students?
  - Pure Biology is offered at G3 level. Combined Science (Bio elective) is offered at G3 and G2 levels.
4. What is the criteria to take Add Math?
  - Strong grasp of Lower Secondary Mathematics and a keen interest in Math. Definitely needs to have a good pass in Lower Secondary Mathematics so that the child can cope with the demand of Additional Mathematics.

# Common Questions - Humanities

1. Is Literature offered as a subject in upper sec?
  - We offer SS/Literature at G3 demand level

# Common Questions - Mother Tongue

## 1. What is the criteria for my child to drop Chinese from G3 to G2?

- Students are encouraged to learn their MTL to as high a level as possible and for as long as they can.
- We will only encourage students to switch to a less demanding level of MTL only after having enough curriculum runway to make informed decisions on their subject level offering.
- School will make holistic considerations based on
  - (i) maintaining strong fundamentals,
  - (ii) providing greater customisation and support for students' wellbeing, as well as
  - (iii) ensuring opportunities for progression before considering students to take mother tongue at LDL.

## 2. Is Mother Tongue grade used in the computation of L1R4 for JC?

- Yes. However, if Higher Mother Tongue is used as the first language (L1), Mother Tongue cannot be used as a relevant subject (R4).
- <https://www.moe.gov.sg/post-secondary/admissions/jae/changes-from-2028>



# Common Questions - Math / POA

1. If my child is good in Math, will they be suitable for POA?
  - In general, students having a good grasp of Mathematics tend to also be proficient in POA. However, in POA, students are required to present their answers in the accounting format. 40% of the paper is on theory. Thus, students also need to study definitions and be able to apply concepts.

# Common Questions - About Post Secondary Options

1. My child is not certain if he wants to opt for pure science. He is interested in healthcare industry.
  - Pure Science is not a required subject for admission into JC/ poly science-based course. Both Pure and Combined Science provide sufficient science foundation for good post-secondary courses that leads to further specialisations in healthcare. Students who offer Pure Science, however, may benefit from having covered topics in greater depth and rigour.
2. How does the subject combination link to the Polytechnic course options?
  - Polytechnic courses have certain minimum subject level requirements. (e.g. Poly Y1- at least 4G3, 1G2 subject; PFP - at least 5 G2 subjects). Having knowledge of these requirements can help students/ parents better plan for post-secondary progression.

# Common Questions - About Post Secondary Options

1. What subjects do I need to take to qualify for JC/Poly Science related pathways?
  - Summary of pathways and subject combinations can be found in the deck of slides we are uploading in the school website. From 2028 (after your child graduates), criteria for JC admission - 5 G3 subjects (L1R4); poly admission 4G3, 1 G2 subject (ELR2B2). Check relevant websites for additional subject grade requirements.
2. Can Combined Science be used to qualify for JC? Or is Pure Science needed?
  - Yes, a student can apply to a JC if he / she offers Combined Science. AMath and Pure Science are not pre-requisite subjects for JC admission. However, students who intend to offer H2 Math / Science are assumed to have knowledge of O-level AMath and Pure Science respectively.

# Common Questions - About Post Secondary Options

1. How the selection of the subjects may affect the selection of majors in poly?
  - Our current subject combinations provide good foundations for your child to enter his/her desired course. Poly Yr 1 course admission is evaluated based on ELR2B2- English Lang, 2 relevant subjects to the poly course and any 2 best scoring subjects. In a nutshell, selection of poly courses not only depends on relevant subjects, but also overall performance. Most of the relevant subjects required by poly courses are present in our broad-based subject combinations - EL, Math, Combined Science, Combined Humanities requirements. For more information, do engage our ECG Counsellor.

# Common Questions - About Post Secondary Options

1. If my child is taking English, Maths and Science at G1 level, what options are there?
  - With this combination, the child can apply for a range of Higher Nitec courses in ITE.
  - More information can be found at <https://www.ite.edu.sg/courses/full-time-courses>

# Common Questions - Operational

1. How many classes of Pure Science will there be?
  - There is no definite number of Pure Science classes. The number of classes will depend on the number of students applying and qualifying for the combination.
2. Is there a quota for certain subjects selected?
  - Yes. Due to limited resources. If class size is small, we may need to offer the 2nd option.
3. Will the classes be reshuffled in Secondary 3?
  - Yes, there will be a reshuffling of classes.

# Common Questions - Operational

1. If my child chooses Pure Sciences and along the way, he could not cope, can he drop anytime?
  - It is important to make an informed choice after the EOY examinations. This is done by understanding the child's strengths and abilities before deciding whether Pure Science is the right choice.

THANK YOU