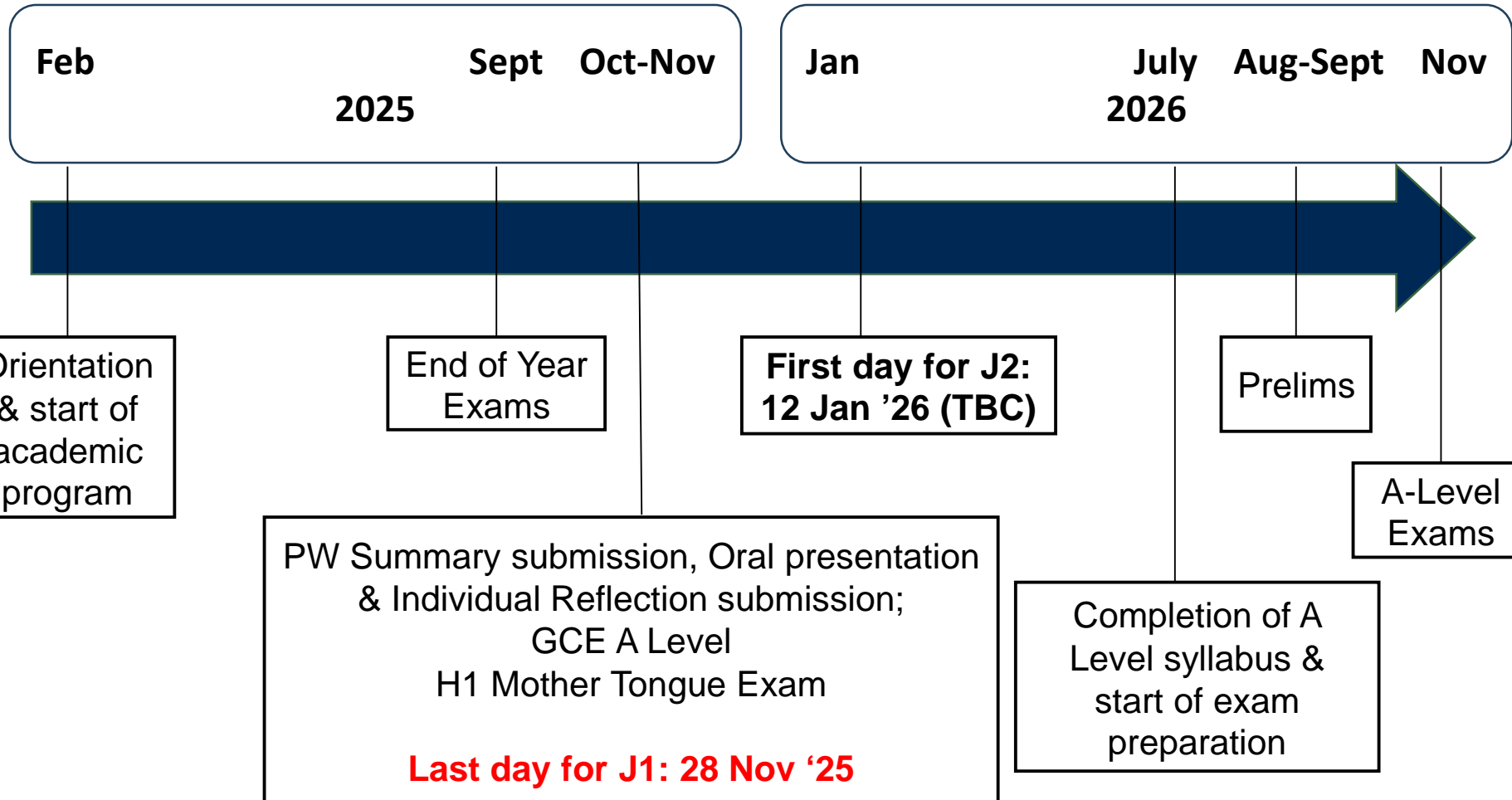


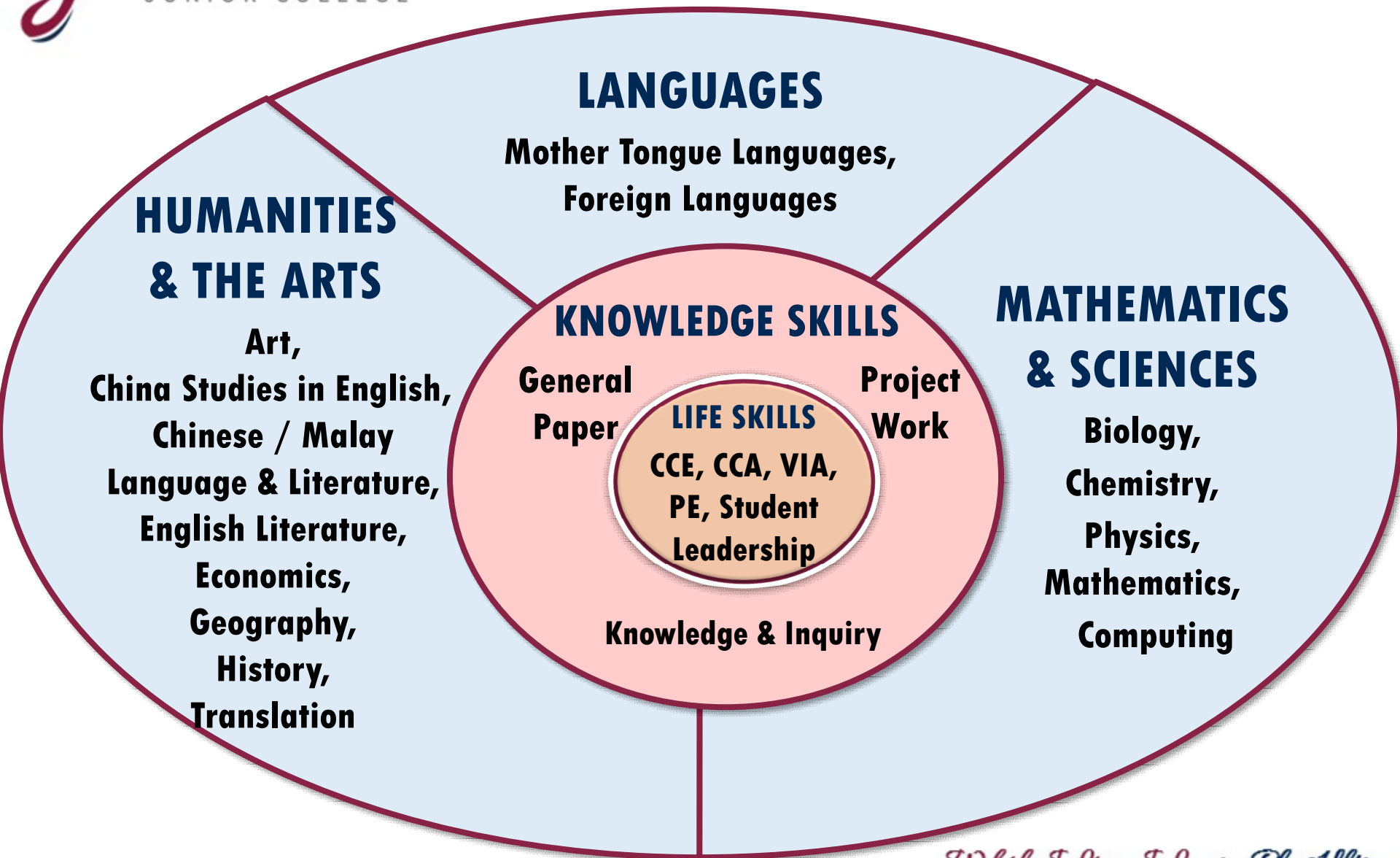
2025 JC Curriculum & JPJC Subject Combinations

Ms Goh Hwee Kwan
Subject Head/ Biology

Academic Timeline



The JC Curriculum Framework



Different levels of study

Higher 1	Higher 2	Higher 3
Equivalent to half the content load of H2 subjects but pitched at the same academic standard as H2 subjects.	Subjects that form the essential foundation for further studies and they are pre-requisites for many university courses.	Subjects with a variety of learning opportunities (e.g. advanced content, research paper, university module). *Offered at end of J1

<p>Mathematics & Sciences</p>	<p>3 H2 + 1 H1 content subjects</p>
<p>Humanities & the Arts</p>	<ul style="list-style-type: none"> • at least 1 subject is from a contrasting discipline
<p>Knowledge Skills</p>	<ul style="list-style-type: none"> • H1 General Paper • Project Work • H1 Mother Tongue (unless exempted) <p style="text-align: right;">} Assessed at the end of JC 1</p>

Workload for a JC Student

Sample 3 H2 + 1 H1 Subject Combination (Science Course)

SCIENCE	H2 Subjects			Choose 1 H1 Subject that is not chosen at H2 level	
	#Mathematics	Chemistry	Biology		Economics, Geography, History, Literature, Art
			Physics		
	Mathematics	Computing	Chemistry		Economics, Geography, History, Literature, Art
			Physics		

- # Students opting to do the subject combination of H2 Mathematics, H2 Chemistry, H2 Biology OR H2 Physics, it is preferred that students should obtain
- a pass in the relevant **Pure Science and Combined Science** OR
 - **Distinction in the Combined Science** with the two relevant Science disciplines

Workload for a JC Student

Sample 3 H2 + 1 H1 Subject Combination (Science course)

	H2 Subjects				Choose <u>1 H1 Subject</u> that is not chosen at H2 level
SCIENCE	Mathematics	Biology/ Chemistry/ Physics	Economics		Economics, Geography, History, Literature, Art, Biology, Chemistry, Physics
			Chinese/Malay Language & Literature		
			China Studies in English		
			Art@		
			Translation@&		

**Hybrid
Combi**

Check our school website for the full list of subject combinations!

Workload for a JC Student

Sample 3 H2 + 1 H1 Subject Combination (Arts Course)

	H2 Subjects				Choose 1 H1 Subject that is not chosen at H2 level	
ARTS	Mathematics	Geography/ History	Literature			Hybrid Combi
			China Studies in English		Biology, Chemistry, Physics,	
			Chinese/Malay Language & Literature		Economics, Geography, History, Literature, Art	
			Art@			
	Economics	Geography/ History/ Literature	China Studies in English		Mathematics, Biology, Chemistry, Physics	
			Literature			
			Art@			
			Chinese/Malay Language & Literature			
			Translation@&			

Check our school website for the full list of subject combinations!

<p>Mathematics & Sciences</p>	<h2>4 H2 content subjects</h2>	
<p>Humanities & the Arts</p>	<ul style="list-style-type: none"> • at least 1 subject is from a contrasting discipline • Only for students $L1R5 \leq 11$ (raw score) • For students interested in prestigious scholarships 	
<p>Knowledge Skills</p>	<ul style="list-style-type: none"> • H1 General Paper • Project Work • H1 Mother Tongue (unless exempted) 	<p>} Assessed at the end of JC 1</p>

4 H2 Subject Combination

	H2 Subjects			
ARTS	Economics	Mathematics	Literature	Geography
				History
				China Studies in English
SCIENCE	*Mathematics	Chemistry	Biology	Economics
			Physics	

Students opting a 4 H2 subject combination should meet all of the following requisites:

- **L1R5 ≤ 11 (raw score) AND**
- **Distinction in Additional Mathematics**
- ***At least B3 in the relevant pure Science subjects.**

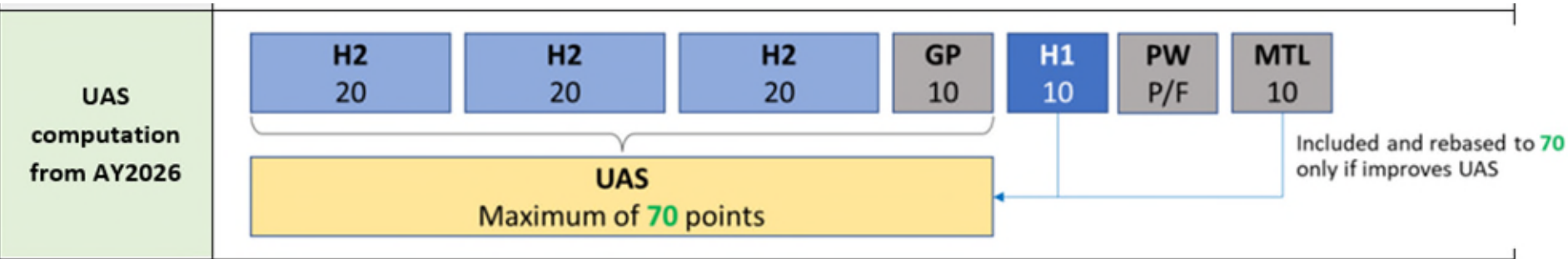
Students may apply to do a H3 subject if they have done well in their overall examinations at the end of JC 1.

Selection Criteria

- Done well for **all subjects**
- A **high “A”** in the **H2 subject** to be offered at H3 level
- Pass Aptitude Test (if any) and interview

Marks (internal assessment)	Grade	University Admission Score (UAS)	
		H2	H1
≥ 70	A	20	10
60 – 69	B	17.5	8.75
55 – 59	C	15	7.5
50 – 54	D	12.5	6.25
45 – 49	E	10	5
40 – 44	S (sub-pass)	5	2.5
≤ 39	U (ungraded)	0	0

University Requirements



UAS = 61.25 (rebased to 70)

Student A

H2 A (20)	H2 B (17.5)	H2 C (15)	GP C (7.5)	H1 A (10)	PW P	MTL C (7.5)
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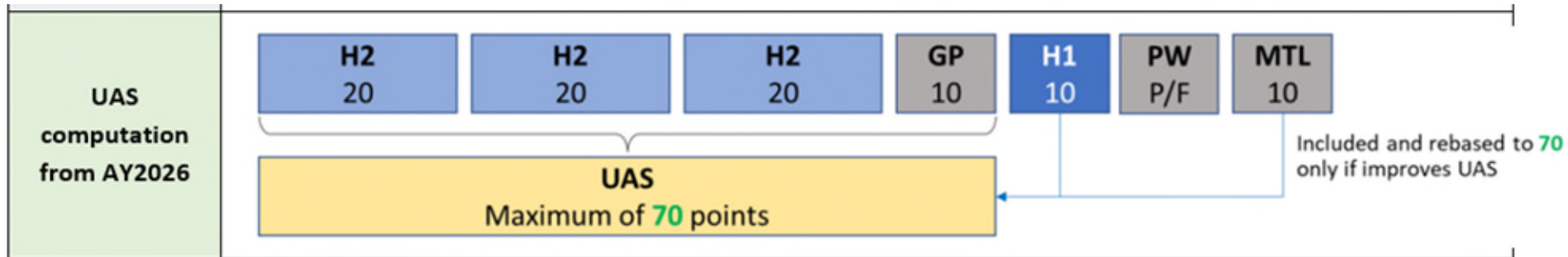
UAS = 60

Student B

H2 A (20)	H2 B (17.5)	H2 C (15)	GP C (7.5)	H1 C (7.5)	PW P	MTL C (7.5)
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UAS = 59.06 (rebased to 70)

University Requirements



Taking 4 H2 content subjects will not give students an added advantage as the result of the least performing H2 will be converted to the equivalent of a H1 subject.

#1: Know your goals

#2: Know your interests and strengths

#3: Know the syllabus and exam format for the subject

#1: Know your goals

#2: Know your interests and strengths

#3: Know the syllabus and exam format for the subject

#1: Know your goals

Entry into University

- What would you want to study in the University?
- What course will you qualify for based on your subject combinations?
- What is your Plan B?

#1: Know your goals

University & Faculty	Subject Requirements
NUS / NTU Medicine / NUS Dentistry	H2 pass in Chemistry <u>and</u> either H2 Biology/ Physics
NUS Pharmacy / Pharmaceutical Science	Very Good Pass in H2 Chemistry <u>and</u> Very Good Pass in either H2 Biology/Physics/ Math
NUS Nursing	H2 pass in <u>any two</u> of the following H2 subjects: Biology, Chemistry, Computing, Physics & Math

#1: Know your goals

University & Faculty	Subject Requirements
NUS Engineering	H2 pass in Mathematics
NTU Engineering	H2 pass in Mathematics <u>and</u> either H2 Physics / Chemistry / Biology / Computing
NUS Computer Engineering	H2 pass in Mathematics <u>and</u> either H2 Physics / Chemistry / Computing Students without H1 or H2 Physics need to have an 'O' Level pass in Physics

#1: Know your goals

University & Faculty	Subject Requirements
NUS Computer Sciences / Information security	H2 pass in Computing / Mathematics / Physics OR a good pass in H1 Mathematics
NUS Data Science and Economics	Very good pass in H2 Mathematics
NTU Computer Science / Data Science & AI	H2 pass in Mathematics / Physics/ Computing
SMU Computer Science	A good pass in H2 Math or H2 Physics or H1 Math

#1: Know your goals

University & Faculty	Subject Requirements
NUS / NTU Business Administration / NTU Accountancy	H1 Mathematics and A good grade in General Paper (students w/o H1 Mathematics need to have 'O' level pass in Additional Mathematics)
NTU Psychology	A good grade in General Paper and H1 Mathematics

#1: Know your goals

Please refer to the full list of course prerequisites on university websites:

National University of Singapore (NUS)

<https://www.nus.edu.sg/oam/admissions/before-you-apply/programme-prerequisites>

Nanyang Technological University (NTU)

<https://www.ntu.edu.sg/admissions/undergraduate/admission-guide/singapore-cambridge-gce-a-level>

Singapore Management University (SMU)

<https://admissions.smu.edu.sg/admissions-requirements/singapore-cambridge-gce-levels>

Singapore Institute of Technology (SIT)

<https://www.singaporetech.edu.sg/admissions/undergraduate/requirements/a-levels>

(Please also check the "eligibility" section under the specific programme/course offered for the specific requirements.)

Singapore University of Technology (SUTD)

<https://www.sutd.edu.sg/admissions/undergraduate>

Singapore University of Social Sciences (SUSS)


<https://www.suss.edu.sg/full-time-undergraduate/admissions/eligibility>

University of the Arts Singapore (UAS)

<https://uas.edu.sg/admissions>

#1: Know your goals

IGP of 10th Percentile of University Courses (based on 2024 admissions)

Faculty / School	NUS	NTU	SMU
Medicine/ Dentistry	 3 H2 AAA/A H1	AAA/A	
Food Science and Technology	AAA/B		
Computer Science	AAA/A	AAC/B	AAB/A
Engineering	BBB/C	CCD/C	

Note: Assuming grade C for GP.

While I Live, I Learn Plus Ultra

#1: Know your goals

IGP of 10th Percentile of University Courses

Faculty / School	NUS	NTU	SMU
Accountancy	AAA/C	ABC/C	BBB/C
Business Administration	AAA/C	ABC/C	ABB/C
Law	AAA/A		AAA/A
Architecture	CCC/C		
Humanities and Sciences	ABB/B		

Note: Assuming grade C for GP.

While I Live, I Learn Plus Ultra

#1: Know your goals

#2: Know your interests and strengths

#3: Know the syllabus and exam format for the subject

Interests & Strengths

- Which subjects interest you?
- Are you doing a subject because your friends are doing it?
- Can you do well in the subject?

#1: Know your goals

#2: Know your interests and strengths

#3: Know the syllabus and exam format for the subject

#3: Know the subject

	Subject	H1	H2	H3
LANGUAGES	Chinese / Malay Language & Literature		✓	✓
	Translation*		✓	

- * Students opting to do H2 Translation are required to fulfil the following:
- i. A2 in 'O' Level English Language and 'O' Level Chinese Language **OR**
 - ii. A2 in 'O' Level English Language and B3 in 'O' Level Higher Chinese Language.

Students would also need to pass the selection test

#3: Know the subject

MATHEMATICS & SCIENCES	Subject	H1	H2	H3
	Biology	✓	✓	
	Chemistry	✓	✓	✓
	Computing		✓	
	Mathematics	✓	✓	✓
	Physics	✓	✓	✓

#3: Know the subject

HUMANITIES & ARTS	Subject	H1	H2	H3
	Art*	✓	✓	
	China Studies in English		✓	
	Economics	✓	✓	✓
	English Literature	✓	✓	
	Geography	✓	✓	✓
	History	✓	✓	✓

* Students opting to do H2 Art would need to pass the selection test.

#3: Know the subject

SELECTION TESTs:

1. **H2 Art:** Thursday, 6 February at 2 pm @ Art Room
2. **H2 Translation :** Thursday, 6 February at 2 pm @ Com Lab 3.

Late requests will not be entertained should you miss the selection tests.

#3: Know the subject

IMPORTANT

Please go to our college website for the list of subject combinations available:

<https://www.jpjc.moe.edu.sg/about/subject-combination/>

How to register

All registrations are to be done online via the KM Portal at
<https://portal.jpjc.edu.sg>



JURONG PIONEER
KNOWLEDGE MANAGEMENT PORTAL

Welcome. Please sign in:

Login

Password
Case-sensitive

[Sign in](#)

[Forgot password? Reset it here.](#)

Note: Photograph(s) or video image(s) of students, parents and visitors may be captured during school activities and events. The school may use and publish such photographs and/or video recordings in school publications, website, social media channels, and other communication channels.

[Report Vulnerability](#)

How to register

- It is compulsory to choose **3 subject combinations**, in order of preference.
- You will select the subject combination from the drop-down list for each choice.
- The 3rd choice will only show subject combinations that are recommended for you, based on your O Level results.
- The College may be unable to offer certain subject combinations due to low demand or time-tabling constraints.

KM Portal Submission starts from

Wednesday, 5 February 2025, 1200 hrs

Complete the KM Portal Submission by

Wednesday, 5 February 2025, 2359 hrs.

Late submissions will not be entertained. Your choice of combinations will not be guaranteed if you submit later than the stated time.

Students who would like to appeal to

- (i) Change stream and/or
- (ii) Do 4 H2 subject combination

Instructions:

- Obtain a Subject Combination Appeal Form (yellow) from **the GO**.
- You are **still required to register your 3 options** on KM Portal.
- Submit Appeal Form together with a photocopy of O Level results in the box at the General Office by **Thursday 6 February, 9 am**.

New JC1 Class

- JC1 class list will be made known at the end of **Friday, 7 February 2025.**
- You can go online to check your class allocation as this will be your Orientation Group (OG) for the Orientation Programme starting 10 February 2025.