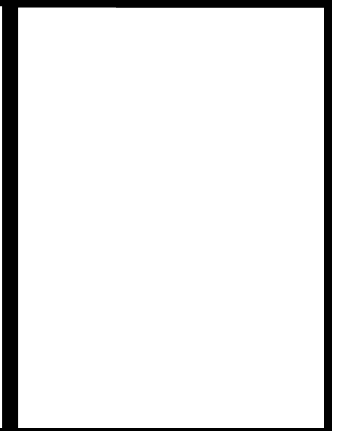


Sec 2 Meet-Parent Session 2022

(Express)



Outline of Presentation

- Holistic Development of Gessians
- Post-Secondary Options
- Sec 3 2023 Subject Combinations
- Streaming Process and Considerations



Life of a Gessian...

Leadership
Development



CCAs



ICT-Based
Lessons/
Activities



Our Belief
In
Holistic
Education

Academic
programmes



Character &
Citizenship
Education



Physical &
Mental Wellness
Activities



Not just about academic excellence!





begin WITH
THE end IN
mind



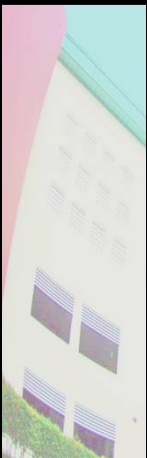


1) Begin with the End in Mind

3) How do we get there?

2) Where are we now?





Post 'O'-Levels Education Pathways

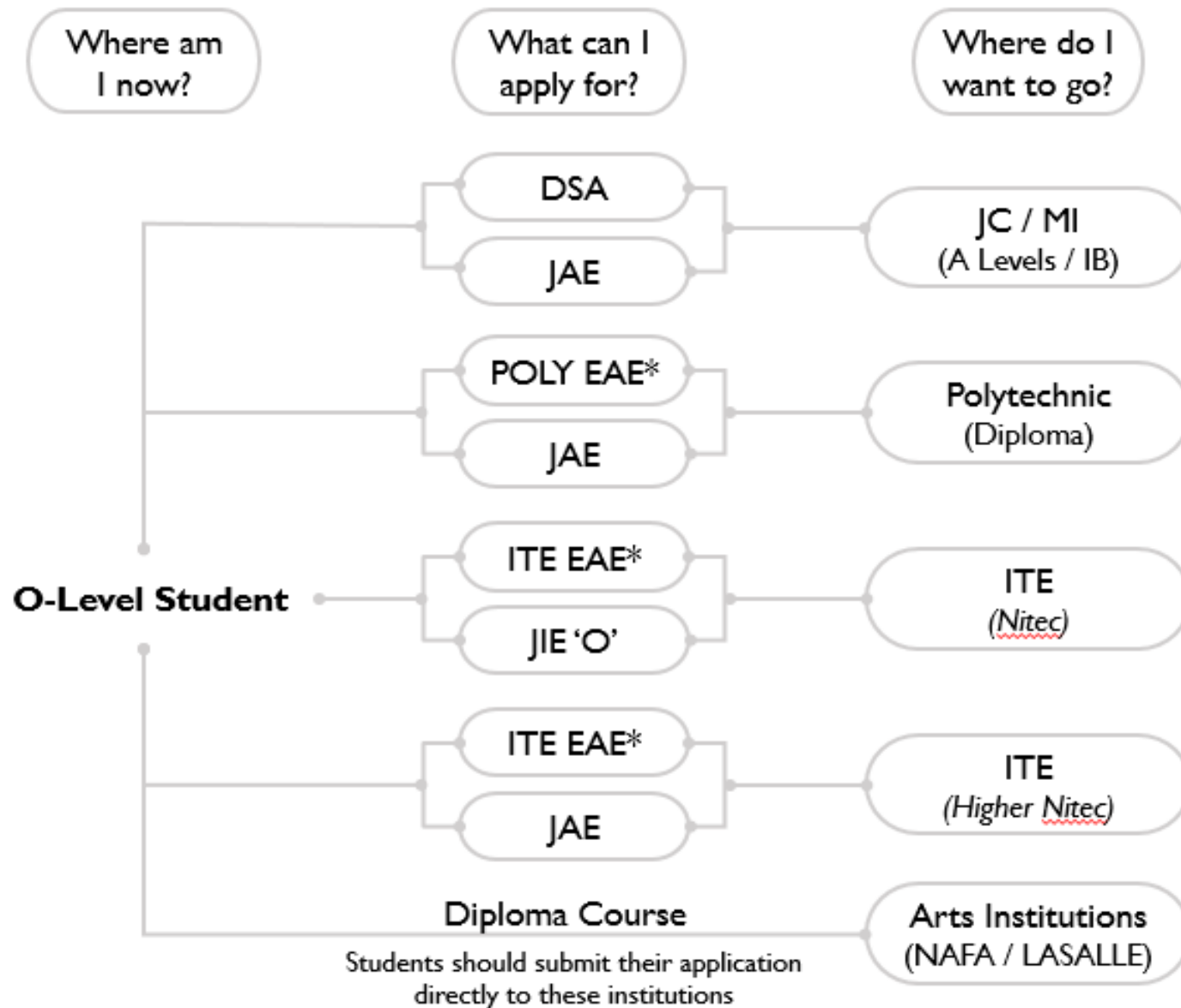


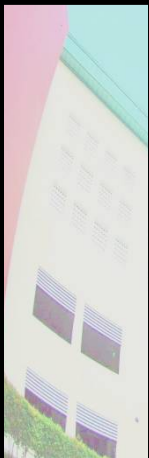
Student Development Curriculum Division
reserved



Branch, MOE

What's Next after GCE 'O'-levels?





The Pre-Universities Landscape

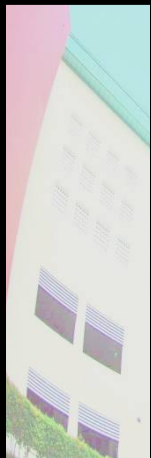
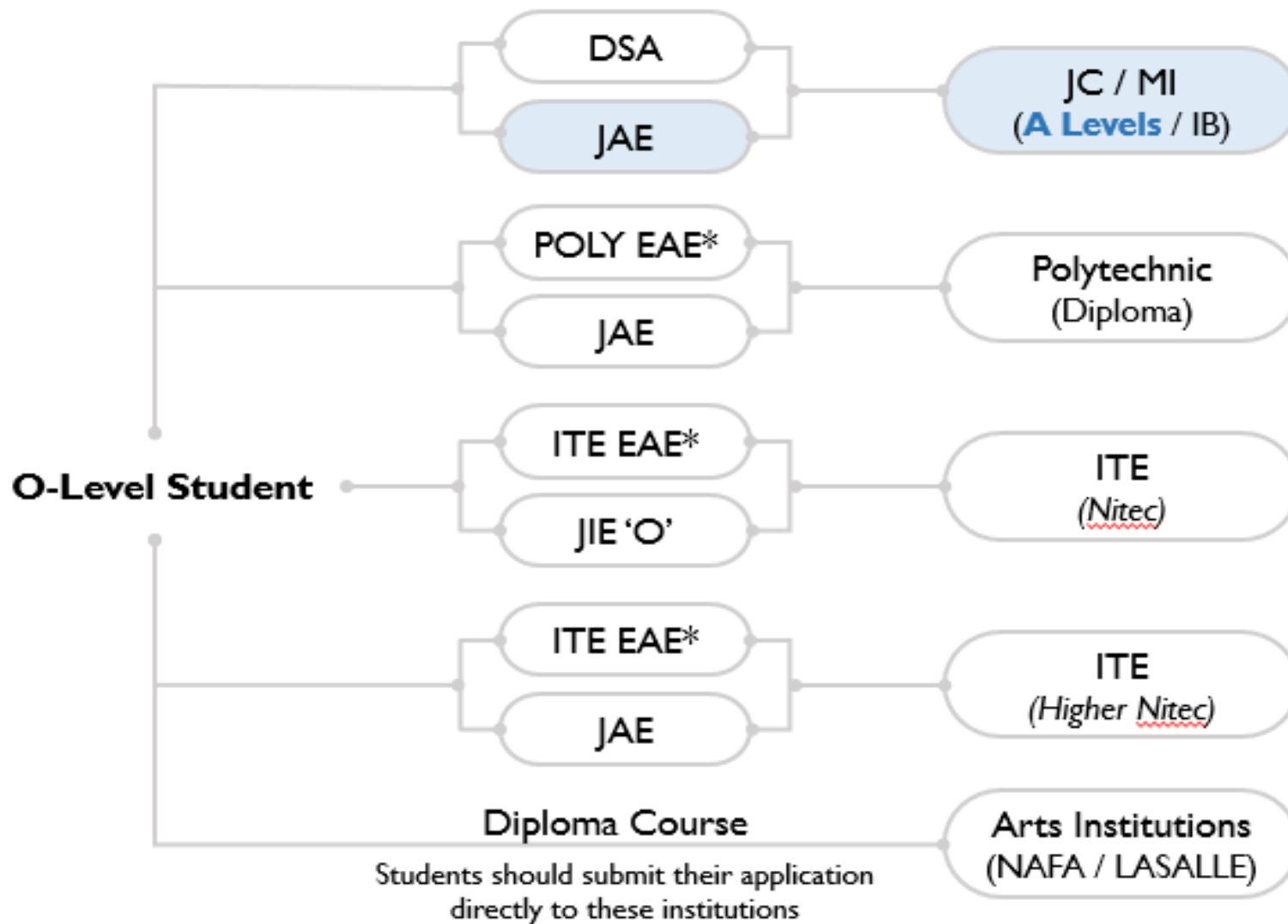


Why choose a JC/MI?

- You prefer an in-depth study of a specific content area in academic studies.
- You prefer learning that is more conceptual and theoretical.
- You prefer a structured timetable with allocated lectures and tutorials.
- You prefer the routine of a school setting.

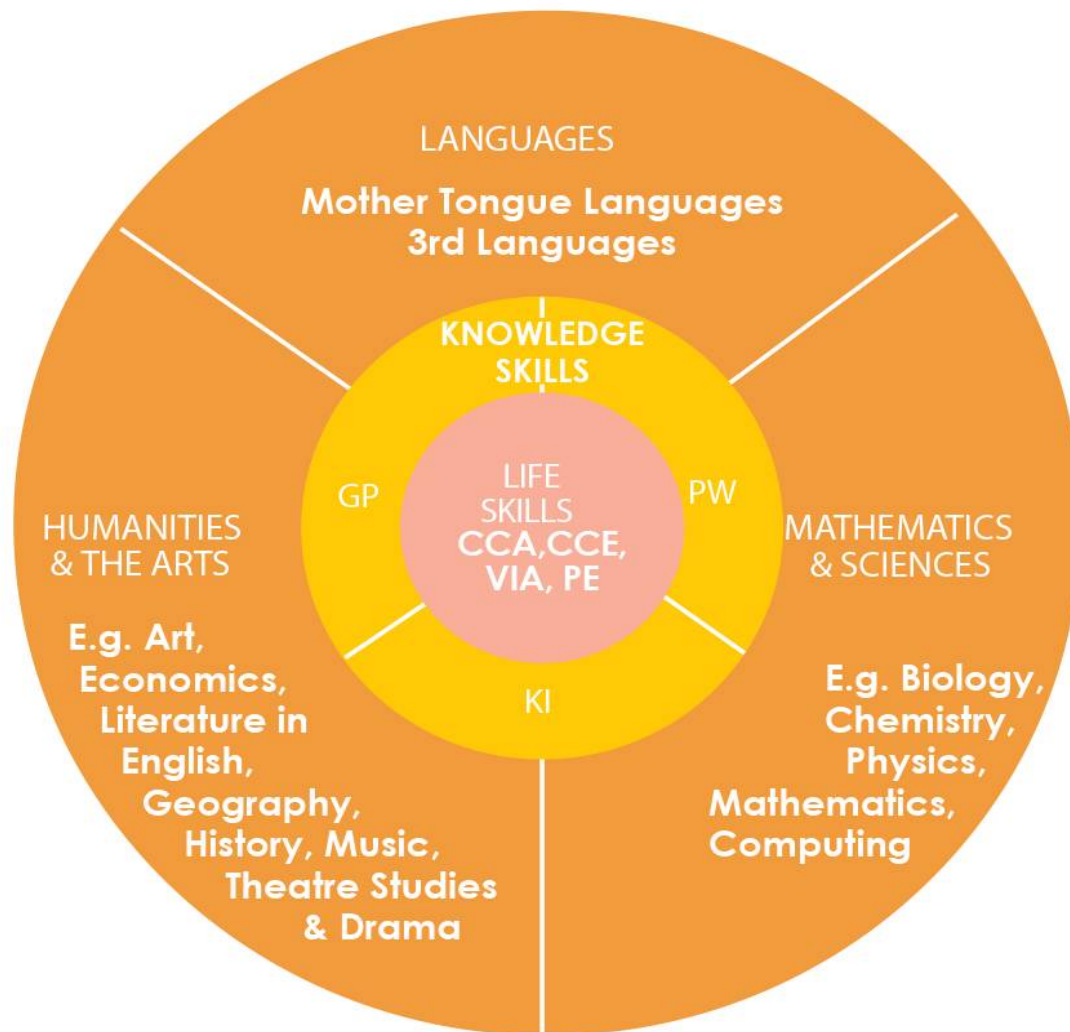


JC / MI (A Levels): Merit-based Admission (JAE)



GCE A-Level Programme

Junior Colleges / Millennia Institute



Legend

CCA	Co-Curricular Activities
CCE	Character & Citizenship Education
PE	Physical Education
GP	General Paper
PW	Project Work
KI	Knowledge & Inquiry
VIA	Values in Action



JC and MI: A-Level Curriculum

H1	H2	H3
<p>Half of H2 subjects in terms of curriculum time or content.</p>	<p>Equivalent to 'A' level subjects prior to 2006.</p>	<p>Subjects with diverse learning opportunities for in-depth study (e.g. advanced content, research, university-level module). You must offer the corresponding subject at H2 level.</p> <p>Replaced the 'S' papers after 2006.</p>



JC/MI: Typical Subject Combination

CONTENT-BASED SUBJECTS

At least one subject is from a contrasting discipline

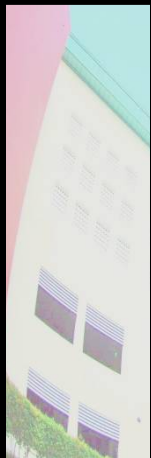
3H2 + 1H1

OR

4H2

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

3 Compulsory
H1 Subjects



Restricted



JC and MI: Admission Criteria

L1R5 : For Junior College Course	
L1	First Language - English/Higher Mother Tongue
R5	Relevant Subject 1 - Humanities/Higher Art/Higher Music/Malay (Special Programme)/Chinese (Special Programme)/Bahasa Indonesia
	Relevant Subject 2 - Mathematics/Science
	Relevant Subject 3 - Humanities/Higher Art/Higher Music/Mathematics/ Science/Malay (Special Programme)/Chinese (Special Programme)/Bahasa Indonesia
	Relevant Subject 4 - Any GCE 'O' Level subjects (except Religious Knowledge)
	Relevant Subject 5 - Any GCE 'O' Level subjects (except Religious Knowledge)

Gross
 $L1R5 \leq 20$
 (before
 computation of
 bonus points)

L1R4 : For Millennia Institute Course	
L1	First Language - English/Higher Mother Tongue
R4	Relevant Subject 1 - Humanities/Higher Art/Higher Music/Mathematics/ Science/Malay (Special Programme)/Chinese (Special Programme)/Bahasa Indonesia
	Relevant Subject 2 - Humanities/Higher Art/Higher Music/Mathematics/ Science/Malay (Special Programme)/Chinese (Special Programme)/Bahasa Indonesia
	Relevant Subject 3 - Any GCE 'O' Level subjects (except Religious Knowledge)
	Relevant Subject 4 - Any GCE 'O' Level subjects (except Religious Knowledge)

Gross
 $L1R4 \leq 20$
 (before
 computation of
 bonus points)

JC and MI: Subject Requirements

Subject Requirements

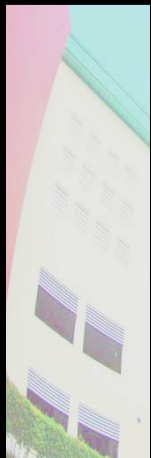
Subject	Requirement
English Language	A1 to C6
Mother Tongue Language * : Chinese Language, Malay Language, Tamil Language <u>OR</u> Higher Chinese Language, Higher Malay Language, Higher Tamil Language <u>OR</u> Chinese Language 'B' Syllabus, Malay Language 'B' Syllabus, Tamil Language 'B' Syllabus	A1 to D7 A1 to E8 Merit or Pass
Mathematics: Mathematics <u>OR</u> Additional Mathematics	A1 to D7 A1 to D7



How to calculate bonus points?

Table 1
Computation of Bonus Points

S/No	Type of Bonus Points	No. of Bonus Points	Maximum Bonus Points Allowable
1	For students seeking admission to JC/MI/Polytechnic/ITE and with the following co-curricular attainments/grades: a. Excellent, A1 – A2 b. Good, B3 – C6	2 points 1 point	Limited to a maximum of 4 Bonus Points for these 4 types. Limited to a maximum of 6 Bonus Points .
2	For students seeking admission to JC/MI courses and with grades of A1 to C6 in both their first languages (i.e. English and a Higher Mother Tongue).	2 points	
3	For students seeking admission to JC/MI courses and with grades of A1 to C6 in Malay/Chinese (Special Programme) (MSP/CSP) or Bahasa Indonesia (BI) as their third language.	2 points	
4	For students from feeder schools if they choose their affiliated Junior College course(s) as their: a. 1 st choice, <i>or</i> b. 1 st and 2 nd choices.	2 points	
5	For students who have applied for the CLEP, MLEP or TLEP and have been selected for the programme.	2 points	



JC and MI: 2020 Net L1R5 Aggregate

Table D-1 : L1R5 Aggregate Scores (with Bonus Points) of Students Admitted to JCs in the Previous Year's (2021) JAE

S/No	JC Name	Arts		Science/IB	
		Course Code	Previous (2021) JAE Net L1R5	Course Code	Previous (2021) JAE Net L1R5
1	Anderson Serangoon Junior College	39A	11	39S	11
2	Anglo-Chinese Junior College	22A	9	22S	8
3	Anglo-Chinese School (Independent)	-	-	51I	5
4	Catholic Junior College	23A	13	23S	13
5	Dunman High School	44A	9	44S	8
6	Eunoia Junior College	38A	8	38S	7
7	Hwa Chong Institution	24A	5	24S	4
8	Jurong Pioneer Junior College	40A	16	40S	15
9	Nanyang Junior College	26A	6	26S	6
10	National Junior College	27A	8	27S	7
11	Raffles Institution	28A	5	28S	4
12	River Valley High School	45A	9	45S	8
13	St. Andrew's Junior College	30A	11	30S	10
14	St. Joseph's Institution	-	-	52I	8
15	Tampines Meridian Junior College	41A	13	41S	13
16	Temasek Junior College	32A	9	32S	9
17	Victoria Junior College	33A	8	33S	7
18	Yishun Innova Junior College	42A	19	42S	20



JC and MI: Useful Information

School Code **0804**
ST ANDREW'S JUNIOR COLLEGE
Course Code (Arts) **30A**
Course Code (Science) **30S**

5 Sorby Adams Drive S(357691)

Tel : 62857008

Fax : 62850037

School Website :

standrewsjc.moe.edu.sg

www.facebook.com/standrewsjc

Bus Services

: SBS Transit : 8, 26, 31, 90, 142, 151, 154 (PIE – Jalan Toa Payoh slip-road)
13, 107, 107M, 133, 142, 147, 853, 853C (Upper Serangoon Road)
142 (Potong Pasir Ave 1)
SMRT Buses : 857, 966, 985 (PIE)

Nearest MRT Station

: Potong Pasir NE10 (7-min walk)

School Vision

: Home of Servant Leaders who bring life to the Nations

School Mission

: Making Lives and Waking Hearts to serve the coming days : Family-Society-Eternity

Type of School

: Government-Aided/Mixed/Full Day

Mother Tongue

: Chinese/Malay/Tamil

Bonus Points given
for Affiliated Schools

: Anglican High School, Christ Church Secondary School, Kuo Chuan Presbyterian Secondary School,
Presbyterian High School, St. Andrew's Secondary School, St. Hilda's Secondary School, St. Margaret's
Secondary School

Net Aggregate range
of 2021 JAE students
posted to 2021 JC1

: Arts : 4 to 11
Science : 2 to 10

~~Applicants should check the subject combinations offered in the Arts and Science courses and school
based criteria for subjects offered at
standrewsjc.moe.edu.sg/qqf/slot/u674/Admissions/JAE/2021%20Course%20Information.pdf~~

Subjects Offered

: **H1 Subjects**

Art, Biology, Chemistry, China Studies (English), Chinese Language, Economics, General Paper, Geography,
History, Literature in English, Malay Language, Mathematics, Physics, Project Work, Tamil Language

H2 Subjects

Art, Biology, Chemistry, Chinese Language and Literature, Economics, Geography, History, Literature in
English, Mathematics, Physics, Tamil Language and Literature

H3 Subjects (with MOE Partners)

Biology, Economics, Geography, History, Physics

H3 Subjects (within college) based on demand

Chemistry, Mathematics, Physics

MT 'B' Subjects

Chinese 'B', Malay 'B', Tamil 'B'



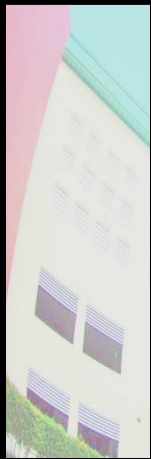


The Polytechnic Landscape

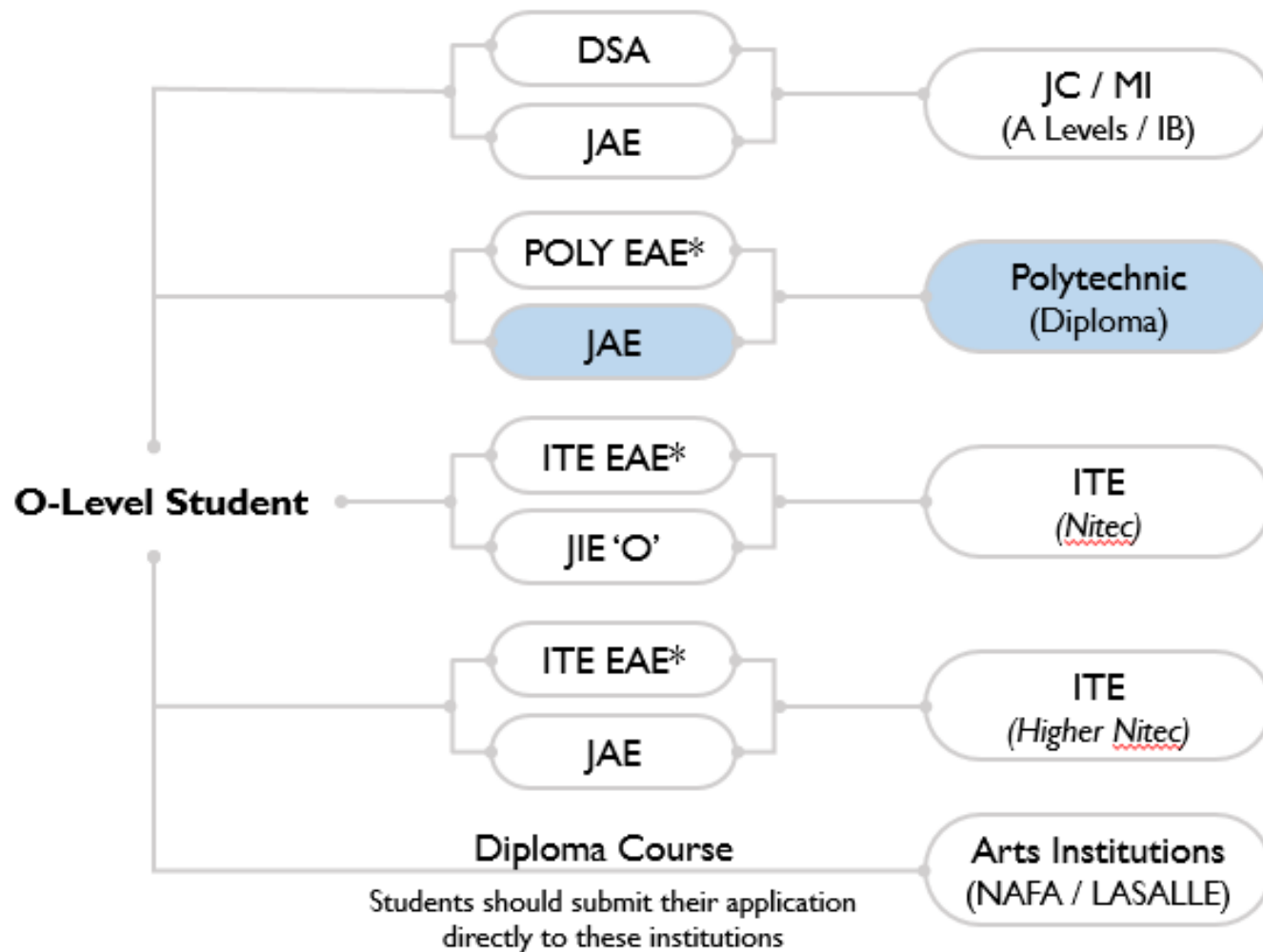


Why Choose Polytechnic Education?

- The classes are more spread-out over the day.
- There are more group projects.
- There is a need for consistency and discipline to maintain grades, as the results are calculated **cumulatively** over the three years.
- There is strong emphasis on practice-based learning.
- There is a larger emphasis on soft skills such as communication, presentation, problem-solving, creative thinking skills.
- The Diploma prepares you for the world of work



Polytechnic: Merit-based Admission (JAE)



Courses focus on the **development of industry-relevant competencies**

Curriculum is **practice-oriented** and allows the **building of a strong theoretical foundation** and enables **direct application of knowledge and skills to real work**

Students **graduate with a Diploma**



Singapore Polytechnic



Ngee Ann Polytechnic



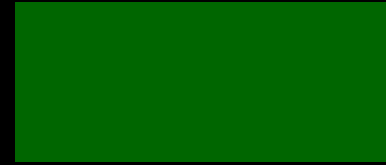
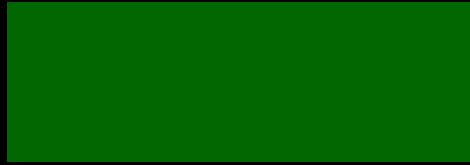
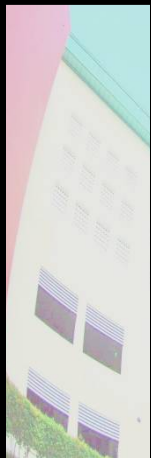
Temasek Polytechnic



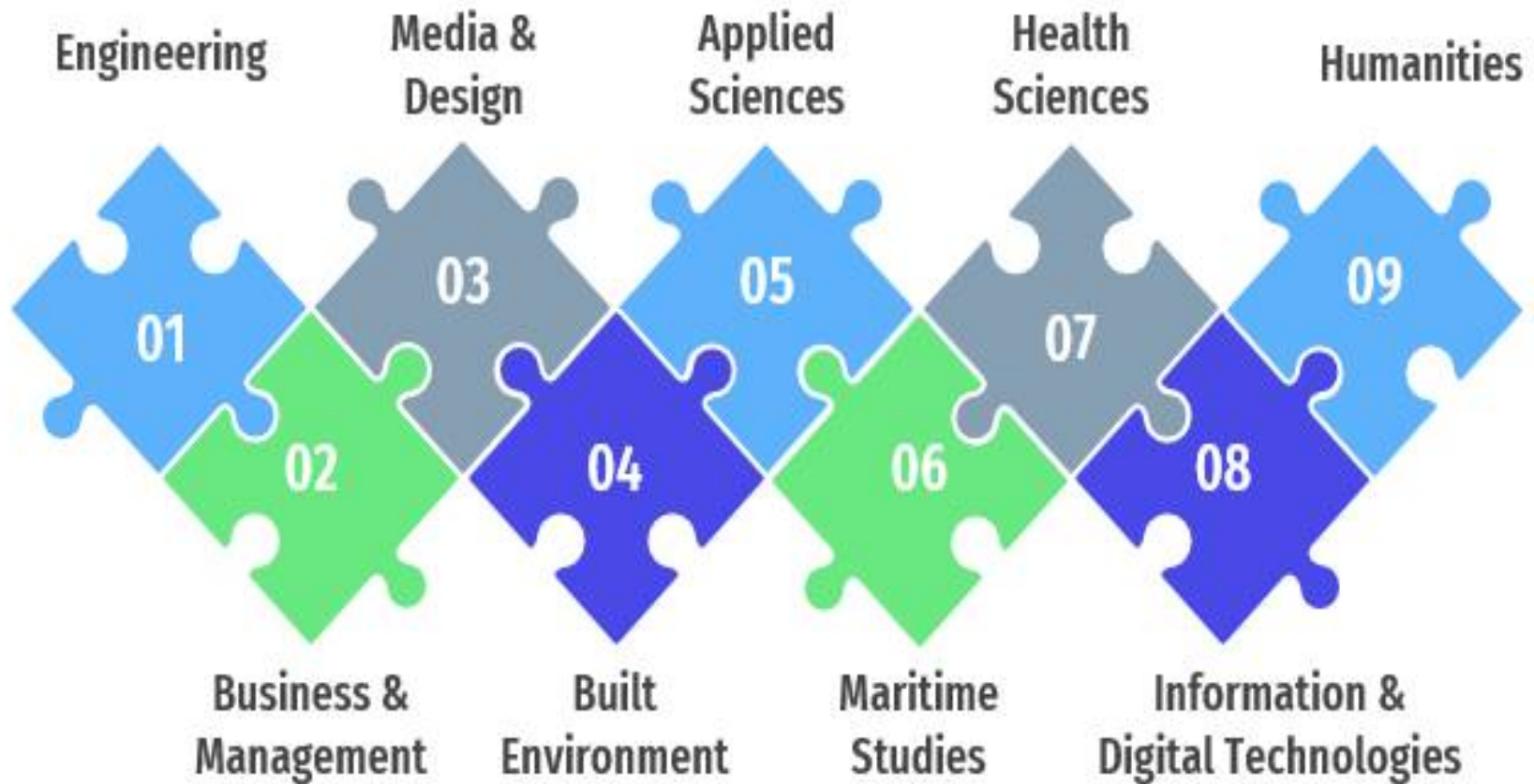
Nanyang Polytechnic



Republic Polytechnic



Course Clusters in Polytechnics



Entry Requirements to the Polytechnics



Net ELR2B2 \leq 26 and fulfil Minimum Entry Requirements

A

- Humanities
- Media & Design

C

- Applied Sciences
- Engineering
- Health Sciences
- Information & Digital Technologies
- Built Environment

B

- Business & Management

D

- Built Environment
- Media & Design



Polytechnics: Minimum Entry Requirements

Subjects	English Language	Math	Net ELR2B2
Grades	A1 to C6/D7*	A1 to C6/D7*	≤ 26

***Minimum Entry Requirement (MER) VARIES across courses.
Relevant Subjects (R2) vary from course to course.**



Selected Cut-Off Points from JAE 2021

Name of Course	Polytechnic	Cut-Off for 2021 JAE
Biomedical Science	Ngee Ann	8
Pharmaceutical Science		9
Accountancy		11
Banking & Finance		11
Business Studies		9
Common Business		12
Aerospace Engineering		16
Cybersecurity & Digital Forensics		8
Data Science		11
Mass Communication		10



Restricted



Selected Cut-Off Points from JAE 2021

Name of Course	Polytechnic	Cut-Off for 2021 JAE
Biomedical Science	Singapore	7
Perfumery and Cosmetic Science		12
Architecture		13
Accountancy		12
Banking & Finance		12
Business Administration		13
Engineering with Business		12
Applied AI and Analytics		9
Infocomm Security Management		11

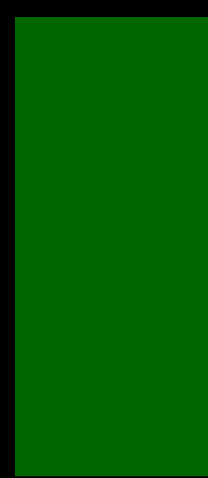


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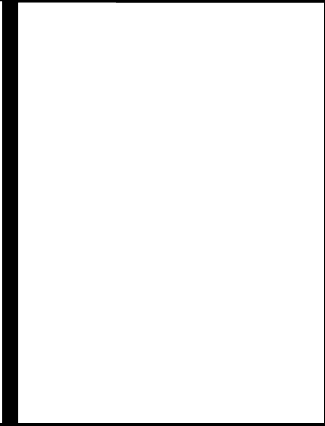


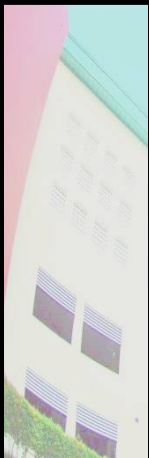
What's right for your child?





Sec 3 Subject Combinations 2023

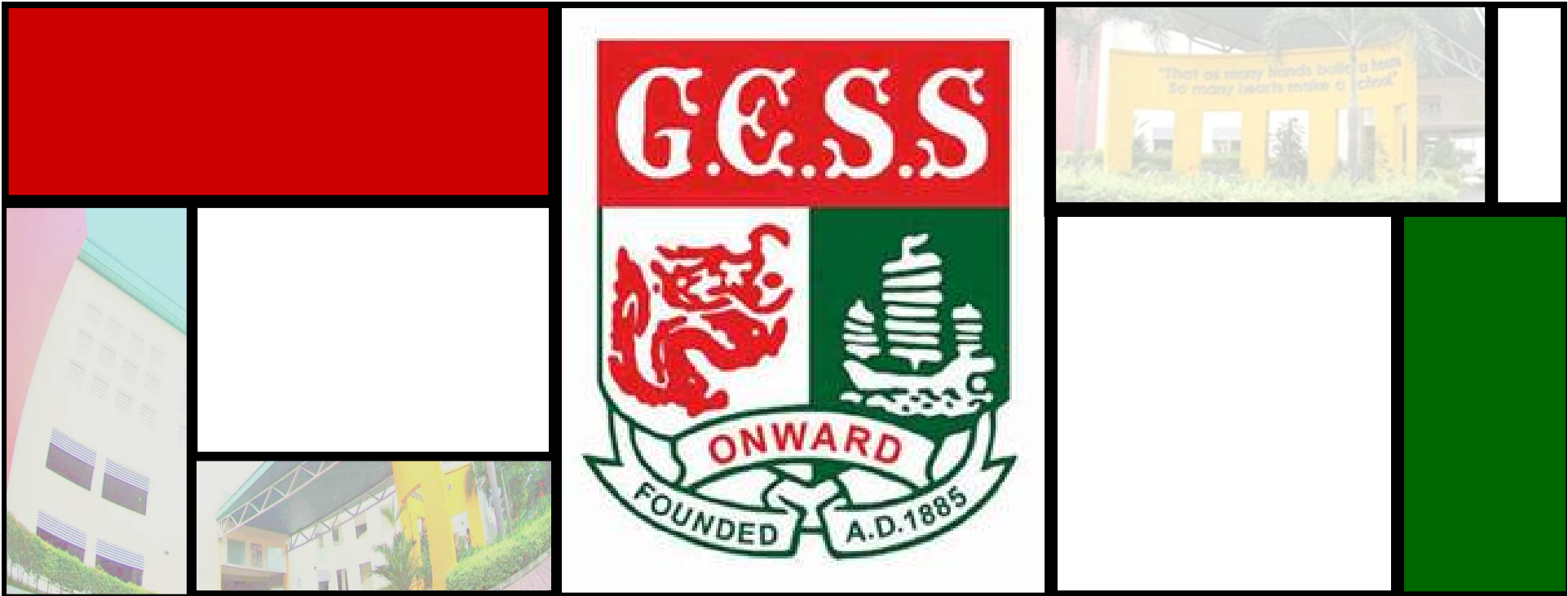




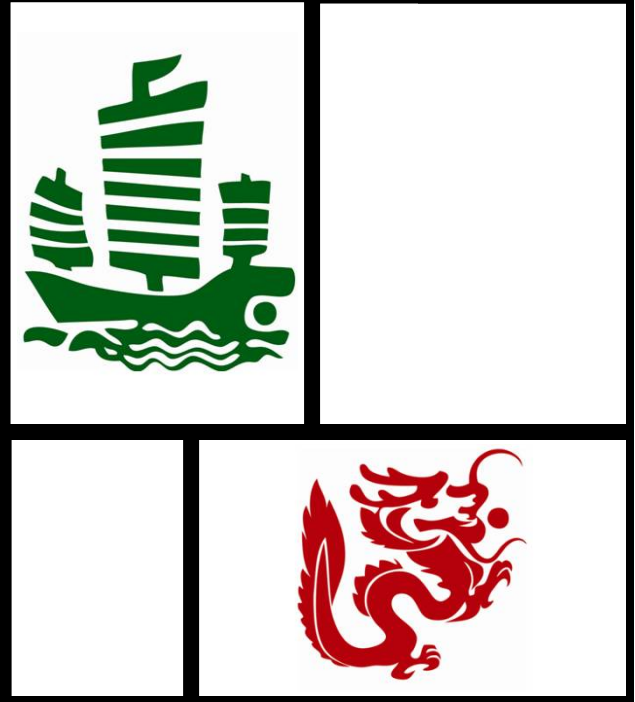
GAN ENG SENG SCHOOL
Possible 2023 SEC 3 EXPRESS
SUBJECT COMBINATIONS
(many different possible combinations)



	Category A 7 Subjects	Category B 7 Subjects	Category C 8 Subjects	Category D 8 Subjects
Sub 1	English Language			
Sub 2	Mother Tongue			
Sub 3	Mathematics			
Sub 4	Humanities: Social Studies + Geography OR Social Studies + History			
Sub 5	Additional Maths			
Sub 6	Science (Physics & Chemistry)	Chemistry	Chemistry	Chemistry
Sub 7	<u>Elective (choose 1)</u> <ul style="list-style-type: none"> • Art • Design & Tech • Geography • History • Literature 	<u>Elective (choose 1)</u> <ul style="list-style-type: none"> • Art • Design & Tech • Geography • History • Literature • Biology • Physics 	<u>Elective (choose 1)</u> <ul style="list-style-type: none"> • Physics • Biology 	Physics
Sub 8			<u>Elective (choose 1)</u> <ul style="list-style-type: none"> • Art • Design & Tech • Geography • History • Literature 	Biology



2022 Subject Combinations Chosen by Students



	Category A [39] 7 Subjects	Category B [32] 7 Subjects	Category C [37] 8 Subjects	Category D [40] 8 Subjects
Sub 1	English Language			
Sub 2	Mother Tongue			
Sub 3	Mathematics			
Sub 4	Humanities: Social Studies + History	Humanities: Social Studies + Geography (30) or Social Studies + History (39)		Humanities: Social Studies + Geography
Sub 5	Additional Mathematics			
Sub 6	Chemistry	Combined Science (Physics & Chemistry)	Chemistry	Chemistry
Sub 7	Physics or Biology	-	Physics or Biology	Physics
Sub 8		<u>Elective (for Categories B and C)</u> - Geography (36) - Design & Technology (17) - Art (15)		Biology

Which Subject Combination?

In selecting the subject combination for your child/ward, the following should be taken into consideration:

- Understanding post-secondary options
- Realistic expectations of your child's/ward's ability to cope with the demands of the course
- The academic rigour of the chosen subjects
- Consider child's/ward's needs, interests, aspirations, preferences and well-being



O Level Samples – Pure Science

B7 The history of chemical formulae

The idea that chemical compounds could be represented by formulae was developed in the first part of the nineteenth century.

A French chemist called Joseph Proust developed the Law of Constant Composition in the early 1800s. He noticed that if different masses of metals were heated in air to constant mass, the increase in the mass was proportional to the mass of each metal used. His law states that,

'All samples of a particular chemical compound have the same elemental composition by mass.'

Proust collected data about the change in mass when the metals iron, lead and mercury were heated in air to constant mass.

He used the data to calculate the percentage composition by mass of the metal oxides.

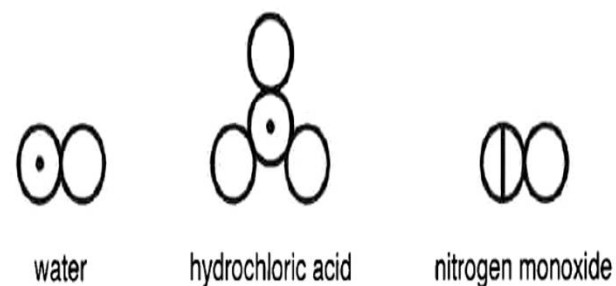
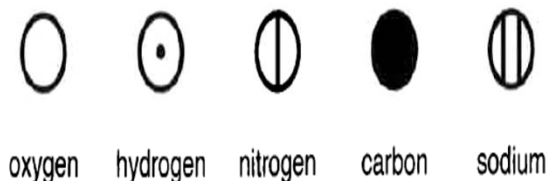
Table 1 shows some data from an experiment to find the increase in mass when iron, lead and mercury are heated.

Table 1

metal	mass of metal before heating/g	mass after heating to constant mass/g
iron	20.0	28.6
	30.0	42.7
lead	25.0	26.9
	30.0	32.3
mercury	25.0	27.0
	40.0	41.6

The Law of Constant Composition does not work for all metals because different oxides may be formed under different conditions.

John Dalton was a British chemist who worked a few years later than Proust. He realised that the Law of Constant Composition could be explained if all compounds contained small particles of each element. This was the beginning of atomic theory. Dalton developed symbols and used them to represent elements and compounds.



Some of our modern formulae for compounds show that Dalton's formulae were not always correct.

O Level Samples – Pure Geog

- (b) Study Fig. 4, which shows the pattern of food consumption in a developed country (DC) and a less developed country (LDC).

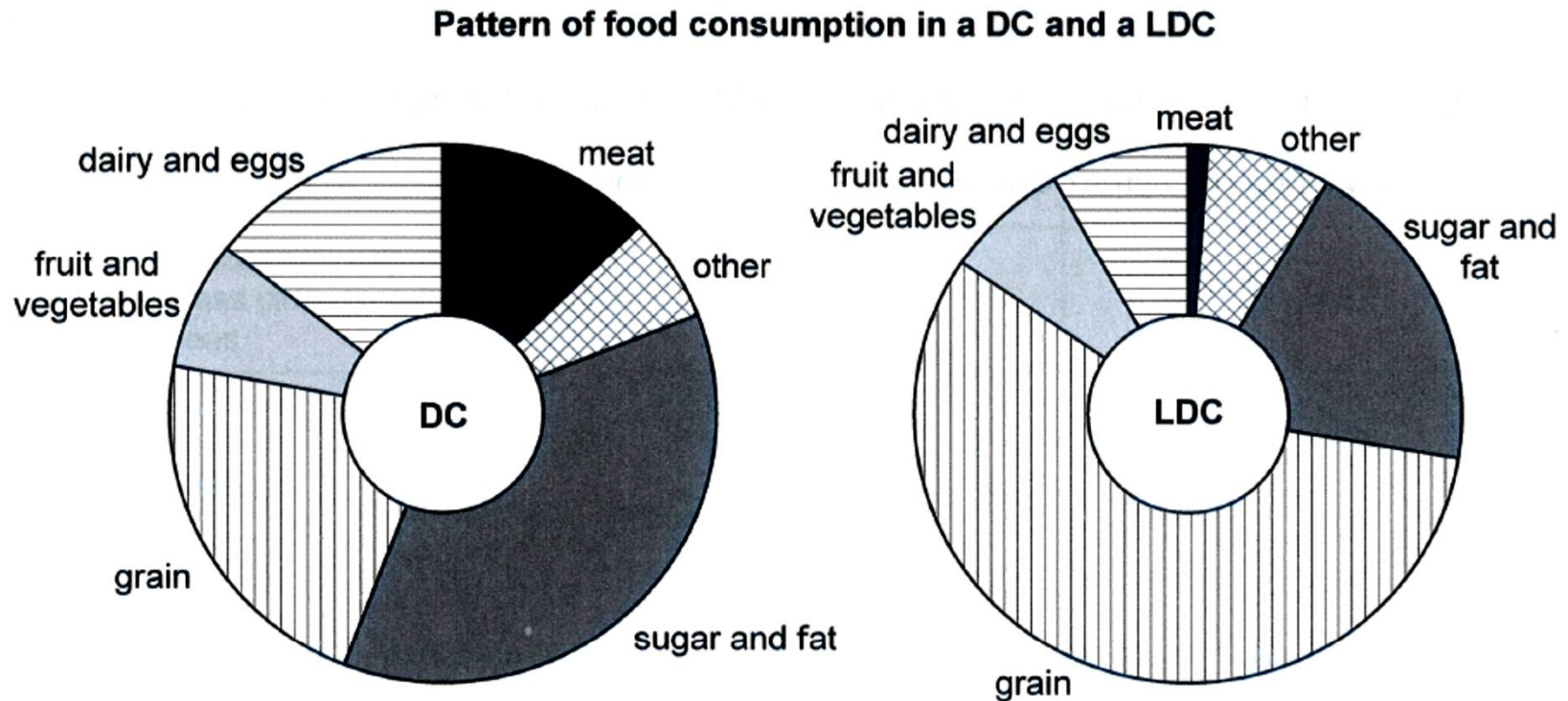


Fig. 4

- (i) Using Fig. 4, compare the pattern of food consumption in a DC and a LDC. [5]
- (ii) Use the information from Fig. 4 to explain the differences in the pattern of food consumption between a DC and a LDC. [5]

Common Misconceptions About Sec 3 Subject Combinations

- Taking 8 subjects is more “prestigious” than taking 7 subjects
- It’s better to take an 8th subject as an “insurance policy”
- Academically stronger students all take 8 subjects
- If my child/ward is strong in math, he/she will also be strong in science
- My child/ward needs to take Biology if he/she wants to be a doctor



Basis Of Sec 3 Subject Allocation

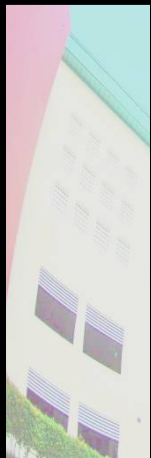
Sec 3 subject allocation is based on:

- **Merit** (student's overall performance for 2022)

WA1 + MYE + WA2 + AA + EYE

Term 1	Term 2	Term 3	Term 4
WA 1 (5%)	WA 2 (5%) MYE (20%)	WA 3 (10%)	AA (10%) EYE (50%)

- Student's options
- School's resources and staffing



Timeline for Sec 3 2023 Subject Allocation Exercise

08 April	<p>Meet-the-Parents Session</p> <p><u>Objective:</u> Communicate to students and their parents on subject combinations for 2023.</p>
26 May	<p>Release of Report Book after Mid-Year Exam & Student Interest Survey (Form SG)</p> <p><u>Objective:</u> Allow the students and parents to know their strengths and areas for growth so that students can work on the targeted area(s) to meet the requirements of their desired course.</p>
20 October	<p>Release of Report Book after End of Year Exam and Option Exercise (Form SG)</p> <p><u>Objective:</u> Allow students to select their desired course based on their overall academic performance and school's available resources.</p>
08 November	<p>Release of results for Sec 3 2023 Subject Allocation Exercise</p>
By 11 November	<p>Submission of and Processing Appeal Forms</p>

In Summary

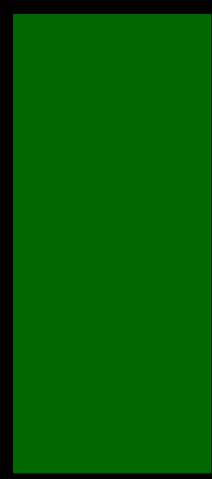
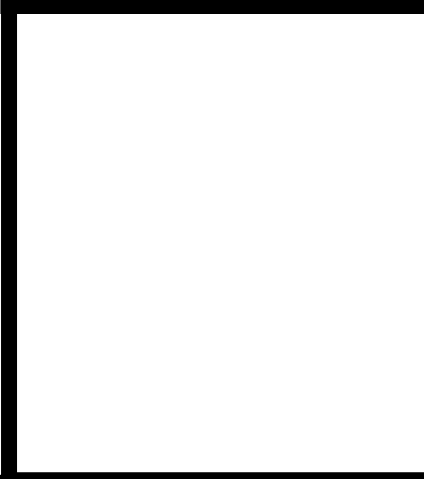
1. Know your child's strength and potential
2. Continue to emphasise the need to perform well holistically
3. Complement school's efforts in establishing good study habits
4. Every subject is a good subject
5. There will be success when the choice is right for your child





ONWARD!





Q & A

