



**Briefing for Sec 2E and Parents
2020 Sec 3E Subject Combinations
30 May 2019**

SERANGOON GARDEN SECONDARY SCHOOL
Established in 1959

Perseverance. **R**espect. **I**ntegrity. **D**iligence. **E**mpathy

JC Admission

Eng/Higher MT + 5 Relevant Subjects

Relevant Subjects

- Subject 1 Humanities
 - Subject 2 Maths or Science
 - Subject 3 Humanities/Maths/Science
 - Subject 4 Any Other O level subject
 - Subject 5 Any Other O level subject
- **JC admission aggregate must be less than or equal to 20 points.**
- **Min requirement = Eng C6, Maths D7, MT D7 / Pass in MT (B)**
- **Bonus points (must first meet minimum requirement by JC admission)**
- **'Excellent' grade in CCA -- 2 Bonus points.**
 - **'Good' grade in CCA -- 1 Bonus point**

For example

- Eng B4
- SS+Geog B3
- Maths A2
- Add Maths A2
- Mother Tongue A2
- Chemistry A2

Aggregate
(L1R5) = 15



Polytechnic Admission

- Eng + 2 Relevant Subjects + Best 2 Subjects
- Relevant Subjects: (L1+R2B2)
- Subject 1 Mathematics or Add Maths
- Subject 2 :
 - ✓ Business ----- SSGeog/SSHist/Lit/POA/MTL
 - ✓ Technology ---- Physics/Chemistry/Science
 - ✓ Science-Based --- Physics/Chemistry/Science
 - ✓ Architectural ----- Physics/Art/Science

Bonus points (must first meet minimum requirement by polytechnic admission)

- 'Excellent' grade in CCA -- 2 Bonus points.
- 'Good' grade in CCA -- 1 Bonus point

- * For example

Eng B4

Elem Maths A2

Science A2

SS/Geog A2

Mother Tongue A2

L1R2B2

Aggregate = 12



Allocation of Sec 3 Subjects

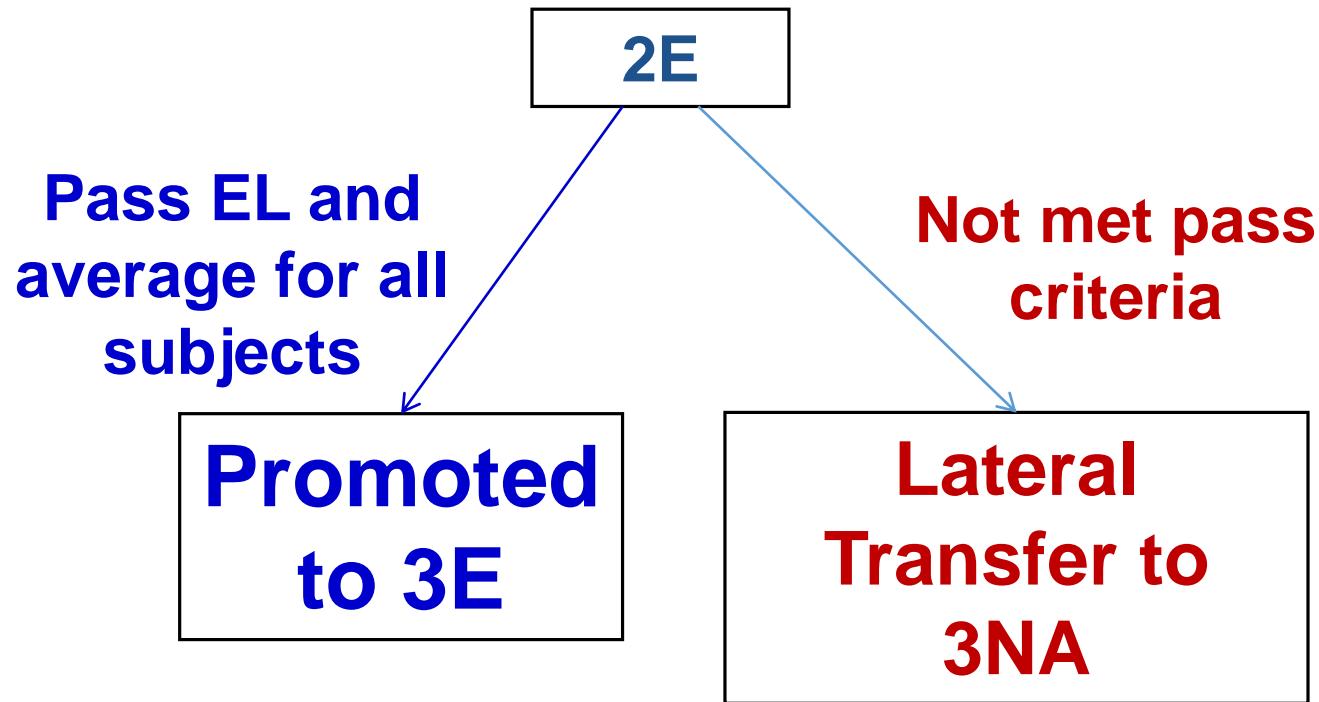


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Promotion Criteria for Sec 2 to 3 Express



Based on the **overall combined results**



Guiding Principles for Sec 3 Subject Allocation

- To enable all students to be given subjects that will allow and prepare them to progress to the **next higher level**, that is, JC, CI, Polytechnic and ITE (Higher Nitec)
- Based on students' **ability** (appropriate level of challenge), **aptitude**, **interest** and **aspirations for post-secondary education**
- Based on **school resources** and students' **take-up rate (viable size)**.



Criteria for allocation of Sec 3 subjects

- **Students' Choices**
- **Merit - Overall Performance (Combined results)**
- **Take-up rate (vacancy of electives)**
- **School resources**



2020 Subject Combination for Sec 3 Express

- All Sec 3E pupils must take at least 6 subjects and up to 7 subjects
- Must offer the following subjects
 - (a) English Language
 - (b) Mother Tongue [HCL, CL, CL(B), TL, TL (B), ML, ML(B)]
 - (c) Mathematics
 - (d) A Science subject
 - (e) Combined Humanities
- Please note that not all the electives listed may be offered in 2020. The offering of the electives is dependent on the school's resources and students' take-up rate.



2020 Subject Combination for Sec 3 Express (subjected to changes)

GROUP: 7 SUBJECTS

Subject	E1A	E1B	E1C	E1D	E1E	E1F	E1G
1	English	English	English	English	English	English	English
2	Mother Tongue	Mother Tongue	Mother Tongue	Mother Tongue	Mother Tongue	Mother Tongue	Mother Tongue
3	Maths	Maths	Maths	Maths	Maths	Maths	Maths
4	Combined Humanities (SS/Geo) or (SS/Hist) or (SS/Lit)	Combined Humanities (SS/Geo) or (SS/Hist) or (SS/Lit)	Combined Humanities (SS/Geo) or (SS/Hist) or (SS/Lit)	Combined Humanities (SS/Geo) or (SS/Hist) or (SS/Lit)	Combined Humanities (SS/Geo) or (SS/Hist) or (SS/Lit)	Combined Humanities (SS/Geo) or (SS/Hist)	Combined Humanities (SS/Hist) or (SS/Lit)
5	Additional Mathematics	Combined Science (Chem/Phy) or (Chem/Bio)	Combined Science (Chem/Phy) or (Chem/Bio)	Combined Science (Chem/Phy) or (Chem/Bio)	Combined Science (Chem/Phy) or (Chem/Bio)	Combined Science (Chem/Phy) or (Chem/Bio)	Combined Science (Chem/Phy) or (Chem/Bio)
6	Pure Chemistry	Principles of Accounts	Principles of Accounts	Principles of Accounts	Principles of Accounts	Principles of Accounts	Principles of Accounts
7	Pure Physics ²	Additional Maths	Art	Design & Technology	Food & Nutrition	Literature in English	Geography

***Should students not pass either Pure Chemistry or Pure Physics at the end of Sec 3, upon review by the school, they would be required to take Combined Science (Chem/Phy) for 'O' Levels, which is deemed more suitable for them.**

2020 Subject Combination for Sec 3 Express (subjected to changes)

GROUP: 6 SUBJECTS

Subject	E3A	E3B	E3C	E3D
1	English	English	English	English
2	Mother Tongue	Mother Tongue	Mother Tongue	Mother Tongue
3	Mathematics	Mathematics	Mathematics	Mathematics
4	Combined Humanities (SS/Geo) or (SS/Hist) or (SS/Lit)	Combined Humanities (SS/Geo) or (SS/Hist) or (SS/Lit)	Combined Humanities (SS/Geo) or (SS/Hist) or (SS/Lit)	Combined Humanities (SS/Geo) or (SS/Hist) or (SS/Lit)
5	Combined Science (Chem/Phy) (Chem/Bio)	Combined Science (Chem/Phy) (Chem/Bio)	Combined Science (Chem/Phy) (Chem/Bio)	Combined Science (Chem/Phy) (Chem/Bio)
6	Art	Design & Technology	Food & Nutrition	Principles of Accounts



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Upper Sec Combined Science (Compulsory)



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(Combined Science)

- 5076 Science (Physics/Chemistry) **OR**
- 5078 Science (Chemistry/Biology)



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Elective Subject: **Pure Physics &** **Pure Chemistry**



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Pure Science versus Combined Science

- Breadth of syllabus
- Depth of syllabus
- Demand of assessment questions
- Format of Theoretical Assessment
- Format of Practical Assessment

- Pure Science is **NOT** a compulsory subject to enter Junior College
- It will provide stronger foundations for Science based courses in Junior College



Upper Sec Combined Humanities (Compulsory)



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Humanities

A. Compulsory Comb Humanities	with Elective
Social Studies (SS)	Literature
	Geography
	History

B. Optional Pure Humanities
Geography Students will take SS/Hist or SS/Lit
Literature in English Students will take SS/Geo or SS/Hist

Minimum class size is 15 students.



Additional Mathematics

(Elective Subject)



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Elective Subject: Additional Mathematics

Difference between

Elementary Mathematics

Additional Mathematics

Compulsory for all pupils

Only for pupils with aptitude (ability) and interest in advanced mathematics

Syllabus covers basic mathematics

Syllabus includes abstract (more **challenging** content) mathematics

Covers wide range of topics:
Arithmetic, Algebra, Geometry,
Statistics, Trigonometry etc.

Specialized topics, focusing more
on Algebra

Working for questions is much
shorter

Working for questions is much
longer

Elective Subject: Additional Mathematics

- Add Maths is **not** a required subject to enter Polytechnics or Junior Colleges
- However, Add Maths will provide good grounding for **engineering courses** in Polytechnics.
- Taking Add Maths will also be advantageous for gaining entry into JC.



Design & Technology 0

(Elective Subject)



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Design Project

The design project comprises four components

- Design Journal (DJ)
- Presentation Board (PB)
- Mock-up
- Prototype



(D&T)

As this subject is primarily project-based over a duration of 7 months,

- Students must possess the **perseverance** and **diligence** to engage in recurring problem-solving design activities.
- Pupils must be **competent in drawing techniques** for design communication.



Art

(Elective Subject)



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OUR REQUIREMENTS ?

The following are the criteria we are looking for in a *potential ART STUDENT*...

❖ *Required Attitude*

- Interest/Passion
- ***Commitment (Time & Effort)***
- Skillfulness (Can be trained)
- Curiosity and boldness (Open-minded)



'O' LEVEL ART EXAMINATION

Paper	Weightage	Requirement
Paper 1: Coursework	60%	Compulsory
Paper 2: Drawing and Painting	40%	Choose one out of the two papers
Paper 3: Study of Visual Arts		



Food and Nutrition

(Elective Subject)



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Elective Subject: Food and Nutrition [6087]

2 years course of study: Upper Sec

- Culinary Skills
- Food Chemistry
- Nutrition and Diseases
- Food Technologies
- Coursework Skills (Research, Analysis and Evaluation)



Elective Subject: Food and Nutrition [6087]

Assessment

Exam Component	Nutrition & Food Science 'O' levels
Written Paper	40% [100 marks] (2 hour paper)
Coursework	60% (50 pages)



Principles of Accounts (Elective Subject)



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Principles of Accounts (POA)

Read, understand and analyse financial accounts

- Strong Mathematics foundation is important, to manage **complex mathematical tasks** such as calculating depreciation and compound interest.
- Hence, you will need to like numbers and love working with numbers, using calculators.



Submission of 2020 Sec 3 Subject Combinations Options (Mid-Year)

The purpose is for Sec 2 students to put in their choices at mid-year.

This is **not** the final selection for their subject combination. At the **end** of this academic year, they will be asked to choose their **final** preferred subject combinations for 2020.

All Sec 2 students are required to register his/her options online via the website <https://sgs.schoolhub.sg> from **30 May (Thu), 12 pm to 31 May (Fri), 12 pm.**

Each student is required to indicate his/her preferred **6 choices**, in order of preference, with the endorsement of his/her parent.

Students are provided with a **username** and **password**, to be kept confidential and **not to lose** the username as well as password.

