

HOUGANG SECONDARY SCHOOL

Briefing for Parents

Subject Combination Exercise

15 May 2024

**HOUGANG
SECONDARY SCHOOL**





Today's Agenda

- ❖ **Welcome Address by Year Head**
- ❖ **Breakout Session (Express/N(A)/N(T))**
 - **Education & Career Guidance**
 - **Subject Combinations**
 - **Question and Answer**

Purpose

At the end of Secondary 2, your child/ward will take part in the **online Subject Combination Exercise** to determine the subjects that he/she will sign up for his/her national examinations.



Factors to consider when selecting subject combinations

- ❖ Discuss with your child/ward.
- ❖ Choose a subject combination according to your **child's/ward's ability and interest** so that he/she can do well and move on to a **course of his/her choice** in Post Secondary Education in **JC/Poly/ITE.**



Process of Subject Combination Allocation

- ❖ Allocation of subject combination will be based on:
 - ✓ Choice
 - ✓ Merit (overall results for each subject)
 - ✓ Vacancy
- ❖ Being eligible for a particular course does not guarantee you will be offered the course. It depends on the vacancy that the particular course has. (e.g. 20 vacancies each for Design & Technology (D&T) and Nutrition and Food Science (NFS) due to safety requirements)



Process of Subject Combination Allocation

- ❖ In the event there is a high demand for a particular subject, **vacancies will be filled according to the order of merit.**
- ❖ There **must be a critical mass** for a subject to be offered.
- ❖ The Subject Combination allocation will be based on the **Overall results** and **not just on the End-of-Year Examination results.**

Computation of Overall Results

End-of-Year Examination Dates

25 Sep 2024	English Language Paper 1 & 2
26 Sep 2024	Mother Tongue Languages Paper 1 & 2
27 Sep – 4 Oct 2024	Examinations for all other subjects



Subject	Stream	Term 1 WA	Term 2 WA	Term 3 WA	Term 4 WA	Term 4 (EOY)	Total
English Language	E, NA, NT	10%	15%	15%	10% (AA)	50%	100%
Chinese and Malay Languages	E, NA, NT	10%	15%	15%	10% (AA)	50%	100%
Tamil Language	E, NA, NT	15%	15%	15%	0%	55%	100%
Literature	E, NA	10%	15%	15%	10% (AA)	50%	100%
Mathematics	E, NA, NT	15%	15%	15%	5% (AA)	50%	100%
Science	E, NA, NT	15%	15%	15%	5% (AA)	50%	100%
Art	CMN	15%	15%	15%	5% (AA)	50%	100%
History	E, NA	10%	15% (HI)	15% (HI)	10%	50%	100%
Geography	E, NA	10%	15% (GI)	15% (GI)	10%	50%	100%
CPA	NT	15%	15%	15%	5% (AA)	50%	100%
Design & Technology	CMN	15%	15%	NIL		70% (Cwk+AA)	100%
Food & Consumer Education	CMN	NIL		15%	15%	70% (AM+AA)	100%

Note: CMN denotes common curriculum
 CWK denotes coursework
 HI denotes Historical Investigation
 GI denotes Geographical Investigation

Refer to
 Student
 Handbook p.36



Timeline

Date	Details	Remarks
7 March (Thu)	Subject Talks for students 	Term 1 Inspire Week
9 May (Thu)	Sec 2 Subject Briefing for students 	Students will complete Subjects Preference Survey on 9 & 10 May 2024
15 May (Wed)	Subjects Combination briefing to parents	Term 2 Week 9 , 6.00 pm to 7.00 pm (zoom)
25 Sep - 4 Oct (Wed – Fri)	End-of-Year Exam	Term 4 Weeks 3 and 4
15 Oct (Tues)	Briefing on Subject Combinations for students	Term 4 Week 5
25 – 29 Oct (Fri-Tues)	Subject Combination Exercise (Online)	PTM on 25 Oct (last day of school)
11 Nov (Mon)	Release of Subject Combination Outcomes (online)	Term 4 Week 10
11 – 13 Nov (Mon – Wed)	Appeal period	Deadline : 3 pm with consent from parents and student is required to inform his/her Character Coaches.



Subject Combination Matters

You may contact :

Mr Chow Poh Boon, chow_poh_boon@schools.gov.sg (HOD Math; in charge of Subject Combination Exercise)

Ms Serina Tan, tan_bei_ling@schools.gov.sg (Sec 2 AYH)

BREAKOUT SESSION (FOR NORMAL ACADEMIC (NA) STUDENTS)

HOUGANG
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Subject Combination Exercise 2024



Focus

- ❖ **Education & Career Guidance**
- ❖ **Promotion Criteria**
- ❖ **Sec 3 N(A) Subject Combinations for 2025**
- ❖ **Out-of-Stream (OSS) subjects**

Education & Career Guidance (ECG)

HOUGANG
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Mrs Lee Yu Zhen (CCE HOD)

Subject Combination Exercise 2024

Common Questions From Students

Should I choose subjects that I like or I am good at?



How do I choose when I do not know my career aspirations yet?

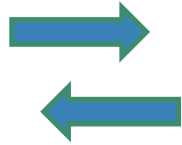
What are the subjects required to achieve my career aspirations?



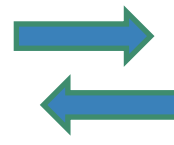
Which educational pathway is better for me?

Using the 3 ECG Questions to Make Subject Choices

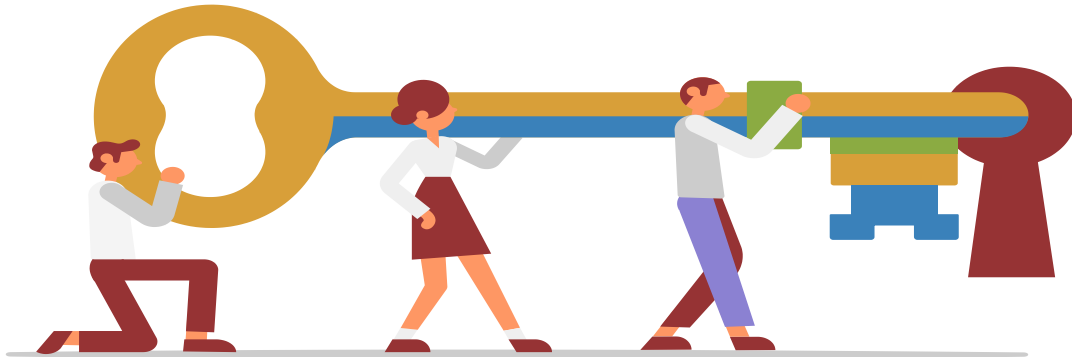
Who Am I?
Discovering Purpose



Where Do I Want To Go?
Exploring Opportunities



How Do I Get There?
Staying Relevant



Informed Decision

My Subject
Combination

What are the subjects your children enjoy or are good at?

Who Am I?

Discovering Purpose

- **Languages**

e.g. English, Mother Tongue, Higher Mother Tongue

- **Mathematics and Sciences**

e.g. Math, Additional Math, Biology, Chemistry, Physics

- **Humanities and the Arts**

e.g. Art, Geography, History, Literature, Social Studies

- **Coursework / Other Electives**

e.g. Design and Technology, Nutrition & Food Science, Principles of Accounts



How to help your children choose when they do not know their career aspirations yet?

Who Am I?
Discovering
Purpose



Co-curricular Activities



Values In Action



Education and Career Talks / Career Fairs



Applied Learning Programmes

Discover themselves V.I.P.S (values, interests, personality and skills) through their sharing on experiences

Using “Know Yourself” Profiling Tools in MySkillsFuture



1. Discover more about your career interests, skills, work values, and learning styles.
2. These tools are meant to facilitate self-awareness and exploration.
3. You may use them as a guide to plan your education or career.



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



Source: My Skills Future for Students Portal

Vocational Interests



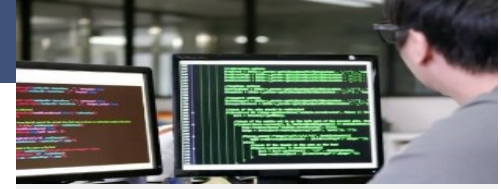
Enterprising
Career Clusters

- Arts, A/V technology, and communications
- Business, management, and administration
- Finance
- Government and public administration
- Hospitality and tourism
- Law, public safety, corrections, and security
- Marketing, sales, and service



Social
Career Clusters

- Arts, A/V technology, and communications
- Education and training
- Government and public administration
- Health science
- Human services
- Law, public safety, corrections, and security
- Marketing, sales, and service



Investigative
Career Clusters

- Health science
- Information technology
- Law, public safety, corrections, and security
- Science, technology, engineering, and mathematics

Vocational Interests



Realistic
Career Clusters

- Agriculture, food, and natural resources
- Architecture and construction
- Arts, A/V technology, and communications
- Health science
- Hospitality and tourism
- Information technology
- Law, public safety, corrections, and security
- Manufacturing
- Science, technology, engineering, and mathematics
- Transportation, distribution, and logistics



Artistic
Career Clusters

- Arts, A/V technology, and communications
- Education and training
- Hospitality and tourism
- Human services
- Marketing, sales, and service



Conventional
Career Clusters

- Architecture and construction
- Business, management, and administration
- Finance
- Health science
- Manufacturing
- Transportation, distribution, and logistics

Emerging Jobs (Skills Demand for the Future Economy Report 2023/24 by Skills Future Singapore)*

Where Do I Want To Go?

Exploring Opportunities

- Programming and Coding
- Big Data Analytics
- Application Support Enhancement

Digital Economy

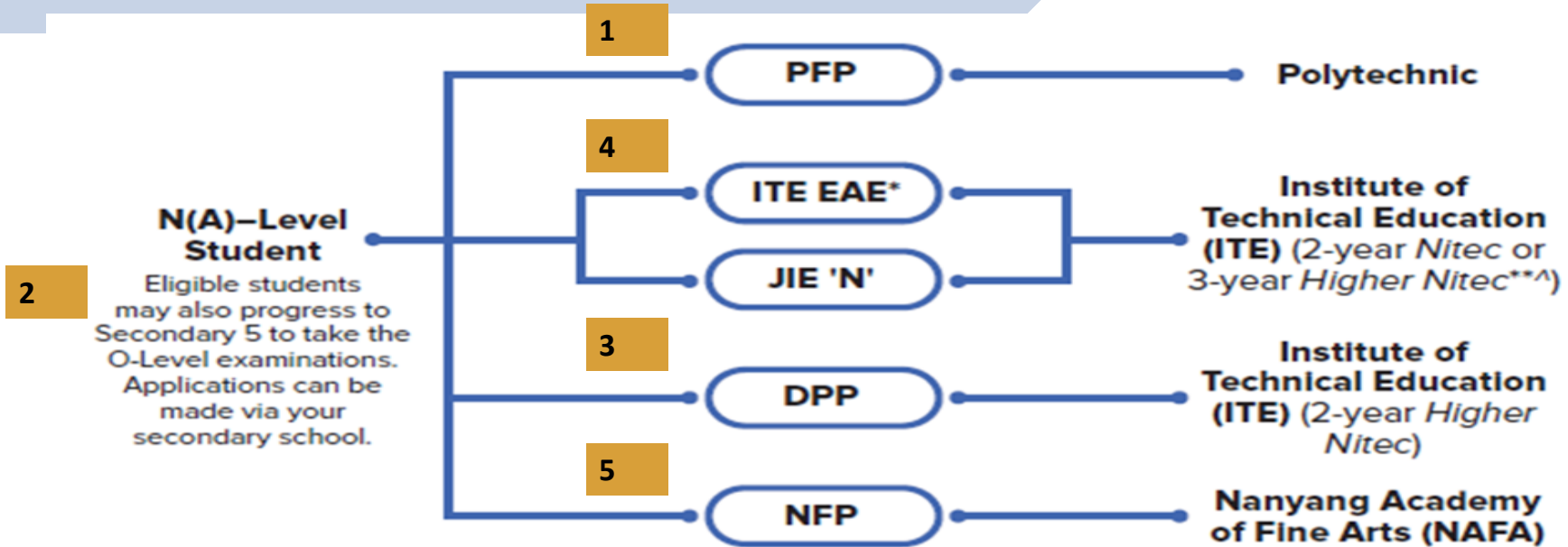
- Community Partnership
- Professional Consultation

Care Economy

- Carbon Accounting
- Carbon Markets and Decarbonisation Strategies Management
- Sustainability Risk Management

Green Economy

Pathways and Admission Exercises for N(A) – Level Students



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

1. Polytechnic Foundation Programme (PFP)

➤ 1 + 3 Year programmes in Polytechnic

Year 0: practice-oriented curriculum to prepare students for entry to relevant Polytechnic Diploma

pass all modules



Year 1: Start of Diploma Education

1. Polytechnic Foundation Programme (PFP)

- Entry requirement:
Obtain **ELMAB3** of 12 or less AND meet subject-specific requirement

N(A)-Level Subjects	Current Grade Requirement	New Grade Requirement
English	2 or 3; depending on course	2 or 3; depending on course
Mathematics	3	3
Relevant Subject	3	3
Two "Best" Subjects	3	4

NEW from AY2024 intake onwards:
Min grade requirement of two 'Best' subjects change from Grade 3 to Grade 4

- For more information
<https://pfp.polytechnic.edu.sg>



2. Progression to Sec 5NA to take 'O' Level

For students who wish to pursue Sec 5, they must fulfil **all** the following criteria:-

- a) Obtained an ELMAB3 (EL, Mathematics (MA) and best three other subjects) **aggregate score of 19 points or less**; and

- b) Obtained **at least an N(A)-Level Grade 5** for all subjects used in the computation of ELMAB3.

3. Direct-Entry-Scheme to Polytechnic Programme (DPP)

10-week Preparatory Course + 2-Year Higher Nitec Courses at ITE

achieve the qualifying Grade Point Average (GPA) score in their 2-year *Higher Nitec* course

Students will be assured of a place in a related polytechnic course

18 DPP 2-Year Higher Nitec Courses

Applied Sciences

[Higher Nitec in Chemical Technology](#)

Engineering

[Higher Nitec in Civil & Structural Engineering Design](#)

[Higher Nitec in Electrical Engineering](#)

[Higher Nitec in Electronics Engineering](#)

[Higher Nitec in Mechanical Engineering](#)

[Higher Nitec in Mechatronics Engineering](#)

Business & Services

[Higher Nitec in Accounting](#)

[Higher Nitec in Event Management](#)

[Higher Nitec in Financial Services](#)

[Higher Nitec in Hospitality Operations](#)

[Higher Nitec in International Logistics](#)

[Higher Nitec in Leisure & Travel Operations](#)

[Higher Nitec in Service Management](#)

Info-Communications Technology

[Higher Nitec in Business Information Systems](#)

[Higher Nitec in Cyber & Network Security](#)

[Higher Nitec in Immersive Applications & Game](#) (wef Jan 2023 intake)

[Higher Nitec in IT Applications Development](#)

[Higher Nitec in IT Systems & Networks](#)

3-Year Higher Nitec Courses (Intake 2025)

Health Sciences

[Higher Nitec in Community Care & Social Services \(3 years\)*](#)

[Higher Nitec in Nursing \(3 years\)*](#)

[Higher Nitec in Opticianry \(3 years\)*](#)

Electronics & Info-Communications Technology

[Higher Nitec in AI Applications \(3 years\)](#)

[Higher Nitec in Business Information Systems \(3 years\)](#)

[Higher Nitec in Cyber & Network Security \(3 years\)](#)

[Higher Nitec in Data Engineering \(3 years\)](#)

[Higher Nitec in Electronics Engineering \(3 years\)](#)

[Higher Nitec in Immersive Applications & Game \(3 years\)](#)

[Higher Nitec in IT Applications Development \(3 years\)](#)

[Higher Nitec in IT Systems & Networks \(3 years\)](#)

[Higher Nitec in Operational & Information Technology \(3 years\)*](#)

[Higher Nitec in Security System Integration \(3 years\)](#)

Business & Services

• [Higher Nitec in Accounting \(3 years\)](#)

• [Higher Nitec in Beauty & Wellness Management \(3 years\)](#)

• [Higher Nitec in Business Administration \(3 years\)](#)

• [Higher Nitec in Customer Experience \(3 years\)*](#)

• [Higher Nitec in Event Management \(3 years\)](#)

• [Higher Nitec in Hairdressing & Salon Management \(3 years\)](#)

• [Higher Nitec in Logistics & Supply Chain Management \(3 years\)](#)

• [Higher Nitec in Passenger Services \(3 years\)](#)

• [Higher Nitec in Retail & Online Business \(3 years\)](#)

• [Higher Nitec in Sport Management \(3 years\)](#)

• [Higher Nitec in Tourism \(3 years\)](#)

3-Year Higher Nitec Courses (Intake 2025)

Design & Media

- [Higher Nitec in Communication Design \(3 years\)*](#)
- [Higher Nitec in Film & Video Production \(3 years\)*](#)
- [Higher Nitec in Interior & Product Design \(3 years\)*](#)
- [Higher Nitec in Technical Theatre & Production \(3 years\)*](#)
- [Higher Nitec in Visual Merchandising & Apparel Studies \(3 years\)*](#) (course name subject to change)

Hospitality

- [Higher Nitec in Culinary Arts \(3 years\)*](#)
- [Higher Nitec in Hospitality Operations \(3 years\)*](#)
- [Higher Nitec in Pastry & Baking \(3 years\)*](#)

Engineering

- [Higher Nitec in Applied Food Science \(3 years\)](#)
- [Higher Nitec in Architectural Technology \(3 years\)*](#)
- [Higher Nitec in Bio-Chemical Technology \(3 years\)](#)
- [Higher Nitec in Chemical Process Technology \(3 years\)](#)
- [Higher Nitec in Civil & Structural Engineering Design \(3 years\)*](#)
- [Higher Nitec in Electrical Engineering \(3 years\)*](#)
- [Higher Nitec in Facilities Management & Engineering \(3 years\)*](#)
- [Higher Nitec in Integrated Mechanical & Electrical Design \(3 years\)*](#)
- [Higher Nitec in Landscape Management & Design \(3 years\)*](#)
- [Higher Nitec in Vertical Transportation \(3 years\)*](#)

Nitec Courses (Intake 2025)

- Provide industry-relevant skills
- Mostly 2-Year courses
- Must meet Entry Requirements
- With good academic performances,
 - progress to Higher Nitec offered by ITE or
 - progress to related diploma courses at Polytechnics



Engineering

Nitec in Aerospace Avionics

Nitec in Aerospace Machining Technology

Nitec in Aerospace Technology

Nitec in Automotive Technology

Nitec in Digital & Precision Engineering

Nitec in Mechanical Technology

Nitec in Mechatronics & Robotics

Nitec in Rapid Transit Technology

Nitec Courses (Intake 2025)



Engineering

Nitec in Aerospace Avionics

Nitec in Aerospace Machining Technology

Nitec in Aerospace Technology

Nitec in Automotive Technology

Nitec in Digital & Precision Engineering

Nitec in Mechanical Technology

Nitec in Mechatronics & Robotics

Nitec in Rapid Transit Technology

5. NAFA Foundation Programme (NFP)

- 1 + 3 Year programmes in NAFA
- Obtain **ELMAB3** of 15 or less AND meet subject-specific entry
- CCA Points not considered
- Better aggregate score of combined 'N'-
 - and 'O'-Level examination result will be taken
- **EL SCORE 4 & above** required to attend interview, Admission Test/Audition Dates

'O' Level Grade	Aggregate Point for NFP
A1 - B3	1
B4 - C6	2
D7	3

Quick link for students: <https://www.nafa.edu.sg/courses/fou>



Course Finder

The screenshot displays the MOE Course Finder interface. At the top, it says "MOE" and "CourseFinder". Below that, it says "Explore courses based on aggregate type, score, type of institute and area of interest." There are three buttons for selecting institutions: "INSTITUTE OF TECHNICAL EDUCATION", "JUNIOR COLLEGES AND MILLENNIA INSTITUTE", and "POLYTECHNICS".

The search bar contains "Polytechnics" and a search button. Below the search bar, there are filters for "Criteria" (Polytechnics, 2022 JAE aggregate, Field of study, Qualification) and "Courses in Polytechnics" (Showing 199 courses). A specific course is highlighted: "AI and Data Engineering" with course code C31, admission types JAE, DAE, JPAE, Poly EAE, PFP, and offered by Nanyang Polytechnic. The qualification is "2022 JAE ELR2B2-C-aggregate-4-9".

Below the main screenshot, there are three detailed views of the filter sections:

- Criteria:** Polytechnics, 2022 JAE aggregate, Field of study, Qualification.
- Criteria:** Polytechnics (with checkboxes for Nanyang Polytechnic, Ngee Ann Polytechnic, Republic Polytechnic, Singapore Polytechnic, Temasek Polytechnic), 2022 JAE aggregate, Aggregate type (with a list of aggregate types: ELR2B2-A, ELR2B2-B, ELR2B2-C, ELR2B2-D).
- Field of study:** Applied Sciences, Built Environment, Business and Management, Engineering, Health Sciences, Humanities, Information and Digital Technologies, Maritime Studies, Media and Design.

At the bottom of the filter sections, there is a "Qualification" dropdown menu with checkboxes for "GCE NA-Level" and "GCE O-Level".

Explore courses based on aggregate type, score, type of institute and area of interest



Quick link for students: Coursefinder
<https://www.moe.gov.sg/coursefinder>

Joint Poly Admissions Exercise (JPAE)

The screenshot shows a web browser window with the URL jpae.polytechnic.edu.sg/App/CourseFinder/CourseFinder/Search?pageNumber=1&applicantType=DPP&polyCourse=&iteCourse=Higher%20.... The page features the JPAE logo (Joint Polytechnic Admissions Exercise) and an email address help@jpae.polytechnic.edu.sg. A navigation bar includes links for Home, Application, Course Finder, FAQ, Contact Us, and Feedback. The main banner is titled "Course Finder" and features a hand pointing at a "4.0" icon among various technology and industry symbols. Below the banner, a text box states: "Before applying, you need to check that you have or are likely to achieve the right grades at the right level and in the right discipline for the course you have chosen." A "Select Applicant Type" section includes a smiley face icon and instructions: "(*Based on your qualification, select one of the following to continue)". Three radio button options are provided: "Higher Nitec (Non-DPP) graduates", "Nitec graduates", and "DPP graduates", with "DPP graduates" selected. The Windows taskbar at the bottom shows several open applications including "N Levels", "JPAE - Joint Polytech...", "JIT for Results Release...", "N-Level Post Sec. Pat...", and "2023 Jan_HS Post N-...".

Quick link for students: JPAE
jpae.polytechnic.edu.sg/App/CourseFinder/CourseFinder/Index



Useful Resources

HOME / Quick Links / For Students

For Students



ACE Learning System

Mathematics E-Learning System



Ministry of Education
SINGAPORE

Ministry of Education



SINGAPORE
**STUDENT
LEARNING SPACE**
LEARN ANYTIME, ANYWHERE, AT ANY PACE

Student Learning Space



HGSS Facebook



SCHOOL HUB PORTAL
SchoolHub Portal for Singapore Schools

Sec 1 CCA Option Exercise



asknlearn™

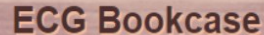
AsknLearn

Learning Management System



MySkillsFuture

MySkillsFuture For Students



ECG Bookcase

Education and Career Guidance

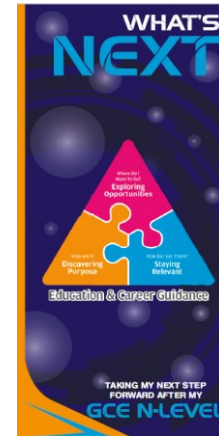
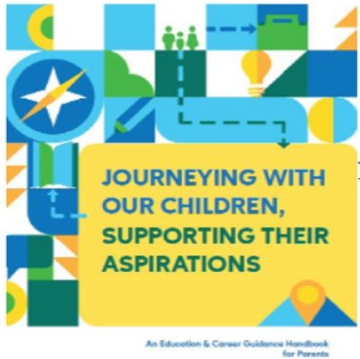


CourseFinder

MOE Course Finder

Useful Resources

<https://www.myskillsfuture.gov.sg/content/student/en/secondary/help/ecg-resources.html>





Education & Career Guidance @ The Engagement Centre

(Canteen) Tues & Wed (except PH)
8am to 5pm



<https://go.gov.sg/hss-ecgc>

Book an appointment -
One to One or Group

<https://go.gov.sg/hss-ecgc>

Drop me an email:

Juan_peiling@schools.gov.sg

- Help students discover their strengths, interests and aspirations.
- Guide students in making informed plans for their education and career through individual and group guidance sessions or workshops.
- Support students in their applications to POLY EAE, ITE EAE, DSA-JC.

Promotion Criteria & Subject Combination

Ms Serina Tan (Sec 2 Assistant Year Head)

HOUGANG
SECONDARY SCHOOL



Subject Combination Exercise 2024



Promotion Criteria

Level	Criteria (min requirement)
Sec 2 Normal (Academic)	Passed EL and 2 other subjects or Passed 4 subjects



Sec 3 N(A)

Tentative Subject Combinations

NO.	SUBJECTS		
1	English Language		
2	Mother Tongue (Chinese / Malay / Tamil / Others)		
3	Mathematics		
4	Combined Science (Physics / Chemistry)		
5	Humanities	Social Studies & Geography	Choose 1
		Social Studies & History	
6	Elective (non-coursework/coursework)	Principles of Accounts	Choose 1
		English Literature	
		Art*	
		Design & Technology*	
		Nutrition and Food Science*	

* Coursework subjects



Important Information (OSS)

1. **Out-of-Stream Subjects (OSS) offered to Sec 3 students are English Language, Mother Tongue, Mathematics and Science at Express level.**
 - **N(A) students will be offered OSS if they meet the school-based criteria of 75% or better for the subject (overall results) in Sec 2.**
 - **These students can take up to a maximum of 3 OSS.**
2. **For current Sec 2 students who are taking subjects at Express level, they would need to score 50% or better (overall) in order to be eligible for taking the same subject in Sec 3 next year.**



Subject Matters

For further clarifications, please contact the following personnel:

English (English Literature) :

Mdm S Chitradevi, s_chitradevi@moe.edu.sg

Mother Tongue (Chinese / Malay / Tamil / Others) :

Ms Cheng Sze Mei Carmen, cheng_sze_mei@moe.edu.sg

Mathematics (Principles of Accounts):

Mr Chow Poh Boon, chow_poh_boon@moe.edu.sg

Combined Science (Physics / Chemistry) :

Mr Quek Yong Cai, quek_yong_cai@moe.edu.sg

Humanities (Social Studies / Geography / History) :

Mr Andy Koh Min Chit, andy_koh_min_chit@moe.edu.sg

Aesthetics & Technology (Design & Technology, Art, Nutrition and Food Science):

Mr Alfred Choo, choo_boon_kian@moe.edu.sg

THANK YOU



CARE , LEAD , INSPIRE & PARTNER.