



# Secondary 3 Subject Combinations for 2022

6 Feb 2021

Ms Orry Zhang (Upper Sec YH)

# Promotion Criteria

Course and Level	Promotion Criteria
Secondary 2 Express	Pass in EL and a pass percentage in the average of all subjects
Secondary 2 Normal(Academic)	Grade 5 or better in a)EL and 2 other subjects or b)4 subjects
Secondary 2 Normal(Technical)	Grade D or better in 2 subjects, one of which should be EL or Math

# Lateral Transfers to a More Academically Demanding Course

Course and Level	Requirements
Sec 2 Normal(Academic) to Sec 3 Express	Minimum of 70% in the overall percentage of all subjects combined*
Sec 2 Normal(Technical) to Sec 2 Normal(Academic)	Minimum of 70% in the overall percentage of all subjects combined*

*\*and deemed suitable by the school*

# Assessment

	<b>Term 1</b>	<b>Term 2</b>	<b>Term 3</b>	<b>Term 4</b>	<b>Total</b>
	<b>Weighted Assessment (Class Test/Assignment)</b>	<b>Weighted Assessment (Common Test)</b>	<b>Weighted Assessment (Common Test)</b>	<b>End-of-Year Examination</b>	
Weighting	10%	15%	15%	60%	100%

*Not applicable to coursework subjects*

# Subject Combinations

- Allocation of Secondary Three Subject Combinations is based on the following:
  1. Merit
  2. Student's choice
  3. Vacancy
- Students are advised to choose their Secondary Three Subject Combinations based on their:  
**interests, strengths, abilities and future plans.**



# **Secondary 3 Subjects in 2022**

# Subjects Offered for Sec 3 Express in 2022

	8 Subjects	7 Subjects
1 <sup>st</sup>	English Language	English Language
2 <sup>nd</sup>	Mother Tongue Language	Mother Tongue Language
3 <sup>rd</sup>	Mathematics	Mathematics
4 <sup>th</sup>	Hum (Social Studies, Geography) / Hum (Social Studies, History) / Hum (Social Studies, Literature)	Hum (Social Studies, Geography) / Hum (Social Studies, History) / Hum (Social Studies, Literature)
5 <sup>th</sup>	Additional Mathematics	Additional Mathematics / Computing / Principles of Accounts
6 <sup>th</sup>	Chemistry	Science (Physics, Chemistry) / Science (Chemistry, Biology)
7 <sup>th</sup>	Biology / Geography / History / Literature / Computing / Principles of Accounts	Geography / History / Literature / Exercise & Sports Science / Art / Food & Nutrition / Design & Technology
8 <sup>th</sup>	Physics / Biology	

Subjects offered are subject to class vacancies & changes

# Subjects Offered for Sec 3 Normal(Academic) in 2022

	7 Subjects	6 Subjects
<b>1<sup>st</sup></b>	English Language	English Language
<b>2<sup>nd</sup></b>	Mother Tongue Language	Mother Tongue Language
<b>3<sup>rd</sup></b>	Mathematics	Mathematics
<b>4<sup>th</sup></b>	Hum (Social Studies, Geography) / Hum (Social Studies, History)	Hum (Social Studies, Geography) / Hum (Social Studies, History)
<b>5<sup>th</sup></b>	Science (Physics, Chemistry) / Science (Chemistry, Biology)	Science (Physics, Chemistry) / Science (Chemistry, Biology)
<b>6<sup>th</sup></b>	Literature / Principles of Accounts / Food & Nutrition / Design & Technology / Art (O-Level) / Exercise and Sports Science (O-Level) /	Literature / Principles of Accounts / Food & Nutrition / Design & Technology / Art (O-Level) / Exercise and Sports Science (O-Level) /
<b>7<sup>th</sup></b>	Additional Mathematics	

Subjects offered are subject to class vacancies & changes



# Secondary 3 Normal(Technical) Subject Combinations for 2022

<b>1<sup>st</sup></b>	English Language
<b>2<sup>nd</sup></b>	Mother Tongue
<b>3<sup>rd</sup></b>	Mathematics
<b>4<sup>th</sup></b>	Science
<b>5<sup>th</sup></b>	Computer Applications
<b>6<sup>th</sup></b>	Elements of Business Skills / Art / Design and Technology

Subjects offered are subject to class vacancies & changes



# **Subject Prerequisites**

# Secondary 3 Express

Subjects/Category	Prerequisites
Category 1 (8 Subjects)	Demonstrates ability to cope based on <b>Overall Average score</b>
Pure Chemistry & Pure Physics	At least an overall percentage of <b>65</b> for Science
Pure Biology	At least an overall percentage of <b>65</b> for Science Students are <b>strongly encouraged</b> to obtain an overall percentage of <b>60</b> in EL
Science (Biology)	Students are <b>strongly encouraged</b> to obtain an overall percentage of <b>60</b> in EL

# Secondary 3 Express

Subjects/Category	Prerequisites
Additional Mathematics	At least an overall percentage of <b>65</b> for Mathematics
Computing	At least an overall percentage of <b>50</b> for Mathematics
Principles of Accounts	At least an overall percentage of <b>50</b> for English Students are <b>strongly encouraged</b> to obtain an overall percentage of <b>50</b> in Mathematics

# Secondary 3 Express

Subjects	Prerequisites
Pure Literature / Humanities (Literature)	At least an overall percentage of <b>60</b> for English Literature
Pure History	At least an overall percentage of <b>50</b> for History
Pure Geography	At least an overall percentage of <b>50</b> for Geography

**\*For Humanities [Component 1- Social Studies & Component 2- Hist/Geog/Lit]**  
Students are **strongly encouraged** to obtain a pass in the **Component 2 subject** (History/Geog/Lit) that they choose.

# Secondary 3 Express

Subjects/Category	Prerequisites
Exercise and Sports Science	<u>For students in sports CCA</u> At least a <b>bronze</b> award in NAPFA and a <b>pass in the skills</b> test during PE lessons  <u>Students in non-sports CCA</u> At least a <b>silver</b> award in NAPFA and <b>a pass in the skills test</b> conducted during PE lessons
Art	At least an overall percentage of <b>60</b> for Art or a pass in Art aptitude test

## Secondary 3 Normal(Academic)

Subjects	Prerequisites
Additional Mathematics	At least an overall percentage of <b>65</b> for Mathematics
Principles of Accounts	At least an overall percentage of <b>50</b> for English Students are <b>strongly encouraged</b> to obtain an overall percentage of <b>50</b> in Mathematics
Pure Literature	At least an overall percentage of <b>60</b> for English Literature
Science (Biology)	Students are <b>strongly encouraged</b> to obtain an overall percentage of <b>60</b> in EL

# Secondary 3 Normal(Academic)

Subjects	Prerequisites
Exercise and Sports Science (GCE O-Level)	<u>For students in sports CCA</u> At least a <b>bronze</b> award in NAPFA and a <b>pass in the skills test</b> during PE lessons  <u>Students in non-sports CCA</u> At least a <b>silver</b> award in NAPFA and a <b>pass in the skills test</b> conducted during PE lessons  At least an overall percentage of <b>50</b> for English
Art (GCE O-Level)	At least an overall percentage of <b>60</b> for Art or a pass in Art aptitude test



# Secondary 3 Normal(Technical)

Subjects	Prerequisites
Art	At least an overall percentage of <b>60</b> for Art or a pass in Art aptitude test



# **Frequently Asked Questions**

# Administrative FAQs

- ▶ Will a subject be offered if there are very few students choosing it?
  - ▶ **We need a minimum of 20 students to start a class for a subject.**
  - ▶ **Please consider your 2<sup>nd</sup> option carefully. You will be offered your 2<sup>nd</sup> or subsequent options if your 1<sup>st</sup> option is not available.**
- ▶ If my results do not meet the prerequisites for a particular subject, can I still choose it?
  - ▶ **No, we will not be able to allocate that subject to you as the prerequisites need to be met.**

# Administrative FAQs

- ▶ Why is Chemistry offered as either a Pure/Combined Science in every combination?
- ▶ Can I change my subject combination once it is allocated to me?
  - ▶ **No, this is because timetabling will need to be done in time.**

# JC-Related FAQs

- ▶ What are H1/H2/H3 subjects in JC?
  - ▶ They are 3 levels of study. H1 is half of H2 in breadth but similar to H2 in depth. H2 is equivalent to the previous A-Level subjects. H3 builds on H2 in knowledge and skills, and provides opportunity for in-depth study → equivalent to 'Special' paper previously.
  - ▶ JC students are required to take 3 H2 and 1 H1 content-based subjects / 4 H2 subjects, at least one of which must be a contrasting subject outside their area of specialisation.
  - ▶ All JC students are required to take General Paper, Mother Tongue and Project Work at H1 levels.

# Examples of 4 H2 and 3H2/1H1 Combinations

## Science Course

H2				H1		
Math	Chemistry	Biology	Economics	General Paper	Project Work	Mother Tongue
H2			H1	H1		
Math	Chemistry	Physics	Geography	General Paper	Project Work	Mother Tongue

## Arts Course

H2				H1		
Math	Economics	Literature	Geography	General Paper	Project Work	Mother Tongue
H2			H1	H1		
Economics	Geography	History	Math	General Paper	Project Work	Mother Tongue

# JC-Related FAQs

- If I take Combined Science, will I be at a disadvantage if I want to do H2 Science in JC?
- **Some JCs allow students to take H2 Science if they have scored distinctions in the Combined Science with the two relevant Science disciplines**

# For Students with Science (Chemistry/Biology), Science (Physics/Chemistry), Science (Physics/Biology), who are opting to do the subject combination of either H2 Mathematics, H2 Chemistry, H2 Biology OR H2 Mathematics, Chemistry, Physics it is preferred that students should obtain

- Distinction in the Combined Science with the two relevant Science disciplines, OR
- a pass in the relevant Pure Science and Combined Science

2020 Indicative Grade Profiles

Based on the number of places that were available for the various subject combinations offered in 2020, the following were the Indicative Grade Profiles of the corresponding subjects at O-Level:

Subject offered at A-Level	Corresponding Subject at O-Level	5th Percentile*
H2 Mathematics	Additional Mathematics	B3
H2 Biology	Pure Biology	B3
	Combined Science	A2
H2 Chemistry	Pure Chemistry	B3
	Combined Science	A2
H2 Physics	Pure Physics	B3
	Combined Science	A2

\* 5th percentile refers to the bottom 5% of the 2020 Cohort who attained B3 or below for Additional Mathematics and Pure Sciences  
A2 or below for Combined Sciences

# JC-Related FAQs

- What are possible advantages of offering **Triple Pure Sciences** (Chem, Phy and Bio) and Double Math (E and A Math) at 3 Express?
- What are possible advantages of offering **Double Sciences** (Chem and Phy/Bio), **Double Humanities** (1 Pure Humans and SS Hist/Geog/Lit) and Double Math (E and A Math) at 3 Express?



# JC-Related FAQs

➤ Is Additional Mathematics needed for JC?

➤ From some JCs' websites:

## 2020 Indicative Grade Profiles

Based on the number of places that were available for the various subject combinations offered in 2020, the following were the Indicative Grade Profiles of the corresponding subjects at O-Level:

Subject offered at A-Level	Corresponding Subject at O-Level	5th Percentile*
H2 Mathematics	Additional Mathematics	B3
H2 Biology	Pure Biology	B3
	Combined Science	A2
H2 Chemistry	Pure Chemistry	B3
	Combined Science	A2
H2 Physics	Pure Physics	B3
	Combined Science	A2

\* 5th percentile refers to the bottom 5% of the 2020 Cohort who attained B3 or below for Additional Mathematics and Pure Sciences  
A2 or below for Combined Sciences

Subject	It is assumed that you have knowledge of the following if you offer the subject:
H1 Subjects	
Biology	O-Level Biology or Science (Biology)
Chemistry	O-Level Chemistry or Science (Chemistry)
Physics	O-Level Physics or Science (Physics) <i>Recommended to be taken with H2 Mathematics</i>
H2 Subjects	
Mathematics	O-Level Additional Mathematics

# Polytechnic-Related FAQs

➤ Is Additional Mathematics needed for Poly?

➤ From all poly courses:

HUMANITIES (Conducted by the National Institute of Early Childhood Development in collaboration with Temasek Polytechnic)																	
Early Childhood Development & Education ⑤	T68	ELR2B2-A	6 to 15	<table><tr><th></th><th><u>Subject</u></th><th><u>Grade</u></th></tr><tr><td>a)</td><td>English Language</td><td>1-6</td></tr><tr><td>b)</td><td>Mathematics (Elementary/Additional)</td><td>1-6</td></tr><tr><td>c)</td><td>Any three other subjects</td><td>1-6</td></tr></table>		<u>Subject</u>	<u>Grade</u>	a)	English Language	1-6	b)	Mathematics (Elementary/Additional)	1-6	c)	Any three other subjects	1-6	
	<u>Subject</u>	<u>Grade</u>															
a)	English Language	1-6															
b)	Mathematics (Elementary/Additional)	1-6															
c)	Any three other subjects	1-6															
Track				<b>Note:</b>													
<ul style="list-style-type: none"><li>Visual Arts</li></ul>																	
/																	
BUSINESS & MANAGEMENT																	
Business	R60	ELR2B2-B	10 to 25	<table><tr><th></th><th><u>Subject</u></th><th><u>Grade</u></th></tr><tr><td>a)</td><td>English Language</td><td>1-6</td></tr><tr><td>b)</td><td>Mathematics (Elementary/Additional)</td><td>1-6</td></tr><tr><td>c)</td><td>Any three other subjects</td><td>1-6</td></tr></table>		<u>Subject</u>	<u>Grade</u>	a)	English Language	1-6	b)	Mathematics (Elementary/Additional)	1-6	c)	Any three other subjects	1-6	
	<u>Subject</u>	<u>Grade</u>															
a)	English Language	1-6															
b)	Mathematics (Elementary/Additional)	1-6															
c)	Any three other subjects	1-6															
<b><u>Specialisations:</u></b>				<b><u>Note:</u></b>													
<ul style="list-style-type: none"><li>Social Enterprise</li><li>Sport Management</li></ul>																	

# Polytechnic-Related FAQs

- What are the kind of modules I would do for a Polytechnic course?
- **Example: Ngee Ann Poly Business Studies**

## WHAT YOU WILL LEARN

### YEAR 1

- Accounting & Finance
- Business Communication 1
- Business Law
- Business Statistics & Applications
- Career & Professional Preparation
- Digital Business Solutions
- Economics
- Global Business
- User-Centred Design in Business
- Health & Wellness^
- Innovation Made Possible^
- English Language Express^\*

Choose one of the 3 options\* in Year 2

### Entrepreneurship

#### YEAR 2

- Business Analytics
- Business Communication 2
- Business in the Community
- Business Models & Strategies
- Enterprise Creation & Development
- Finance for Entrepreneurial Venture
- Human Capital Management
- Innovation for Value Creation
- Marketing in the Digital Age
- Service Operations Management
- World Issues: A Singapore Perspective^

#### YEAR 3

- Business Persuasion & Influence
- Corporate Entrepreneurship
- Entrepreneurship in Practice
- Six-month Internship
- Project ID: Connecting the Dots^

### Human Capital Management

#### YEAR 2

- Business Analytics
- Business Communication 2
- Business in the Community
- Employee & Industrial Relations
- Enterprise Creation & Development
- Global Talent & Mobility
- Human Capital Management
- Learning & Development
- Marketing in the Digital Age
- Service Operations Management
- World Issues: A Singapore Perspective^

#### YEAR 3

- Business Persuasion & Influence
- Human Capital in Action
- Total Rewards Management
- Six-month Internship
- Project ID: Connecting the Dots^

### Marketing

#### YEAR 2

- Brand Insights & Strategies
- Business Analytics
- Business Communication 2
- Business in the Community
- Enterprise Creation & Development
- Human Capital Management
- Integrated Marketing Communication
- Marketing in the Digital Age
- Research-based Marketing Insights
- Service Operations Management
- World Issues: A Singapore Perspective^

#### YEAR 3

- Business Persuasion & Influence
- Integrated Marketing in Practice
- Retail Experiential Engagement
- Six-month Internship
- Project ID: Connecting the Dots^

- Further details for all poly courses can be found at the respective poly websites

# Important Dates

S/N	Item	Date
1	Letter to Parents via PG	10 Sep 2021
2	Submission of Pre-Subject Combination Exercise Details <b>(name, email add &amp; contact no. of parents)</b>	24 Sep 2021
3	Subject Combination Exercise	18 - 29 Oct 2021 <b>(online submission)</b>
4	Release of Results via PG	8 Nov 2021
5	Appeal Period (online)	8 – 12 Nov 2021
6	Final Appeal Results via PG	19 Nov 2021

## If you have any further questions or concerns

- ▶ Please ask them through your child's/ward's Form Teachers, or
- ▶ Email Ms Orry Zhang / Mr Choy Chee Ping at:

YH/HOD	Email Address
Ms Orry Zhang	zhang_zhihui@moe.edu.sg
Mr Choy Chee Ping	choy_chee_ping@moe.edu.sg