



Secondary Three Subject Combinations for 2023

Tentative Subject Combinations for Sec 3 Express 2023 (Pure Sciences)

NO.	SUBJECTS		
1	English Language		
2	Mother Tongue (Chinese / Malay / Tamil / Others)		
3	Elementary Mathematics		
4	Additional Mathematics		
5	Pure Science 1 (Chemistry)		
6	Pure Sciences 2	Physics	Choose 1
		Biology	
7	Humanities	Social Studies & Geography	Choose 1
		Social Studies & History	

**Tentative Subject Combinations for Sec 3 Express 2023
(Combined Sciences)**

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

Criteria for Sec 3 Express Subjects 2023

SUBJECTS	CRITERIA
Pure Sciences	A strong foundation in Maths and Science, a B3 or better in Maths and Science
Computing (New)	B3 or better in Mathematics Selection interview
Additional Mathematics (for Combined Sciences)	A strong foundation in Maths, a B4 or better in Maths
English Literature	Strong in English Language, a B3 or better in either English or English Literature

Note :

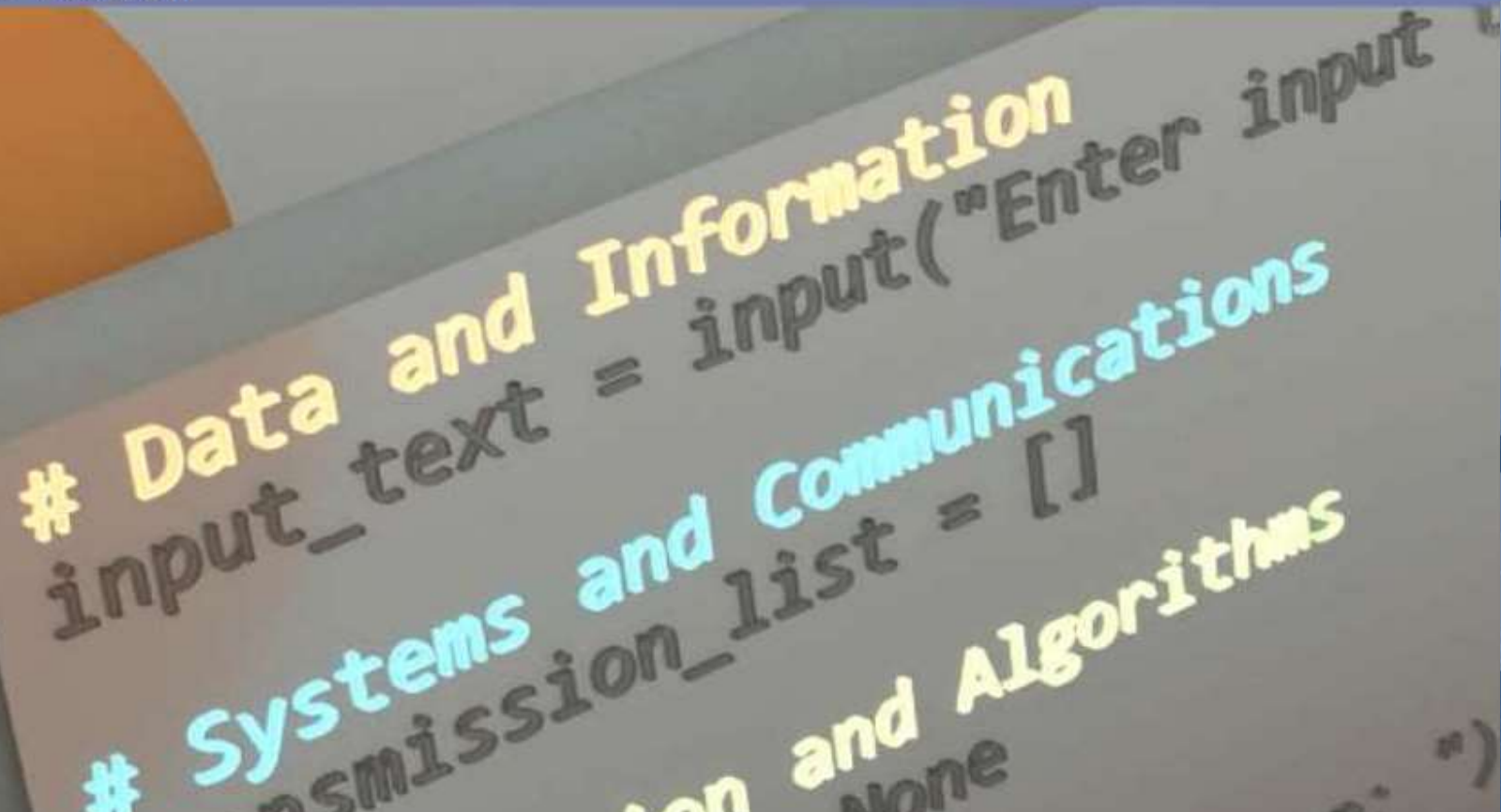
- B3 : 65% or above for the subject (overall)
- B4 : 60% or above for the subject (overall)

O-Level

COMPUTING

Teaching and Learning Guide

2022 Version



```
1  
2  
3  
# Data and Information  
input_text = input("Enter input")  
# Systems and Communications  
mission_list = []  
# Algorithms  
none
```

MODULE & UNIT

1) Data and Information

- 1.1 Data management
- 1.2 Data representation
- 1.3 Ethical, social and economic issues

2) Systems and Communication

- 2.1 Computer architecture
- 2.2 Data communications

3) Abstraction and Algorithms

- 3.1 Problem Analysis
- 3.2 Algorithm Design

4) Programming

- 4.1 Program Development
- 4.2 Program Testing

Paper	Mode	Duration	Weighting	Marks	Format	Modules Assessed
1	Written	2 h	70%	80	A mixture of <ul style="list-style-type: none"> • Short answer questions • Matching questions • Cloze passage • Structured questions 	All the four modules
2	Lab-based	2 h 30 min	30%	50	4 compulsory structured questions <ul style="list-style-type: none"> • Use of Spreadsheet functions and features • Refinement of program • Debugging of program • Development of program with no more than 40 lines of code <p>Development of program will carry 20 marks. The remaining three questions average 10 marks.</p> <p>A quick reference for Python will be provided for candidates.</p>	Unit 1.1 Data Management from module 1 Module 4: Programming

Tentative Subject Combinations for Sec 3 Normal Academic 2023

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 for all Normal Academic (NA)

1. Out-of-Stream Subjects (OSS)* that are currently offered are English Language, Mother Tongue, Mathematics and Science
 - NA students will be offered OSS subjects if they meet the school-based criteria of **75% or better for the subject (overall) and 60% or better for overall percentage.**
 - These students can take up to a maximum of 3 OSS subjects.
2. For current SBB students who are taking higher level subject(s),
 - NA offering Exp would need to score 50% or better for the higher level subject to be eligible for the OSS in Secondary 3

** OSS are offering of subjects at a higher level, for example NA students offering Exp Math or NT students offering NA EL.*

Tentative Subject Combinations for Sec 3 Normal Technical 2023

NO.	SUBJECTS		
1	English Language		
2	Basic Mother Tongue (Chinese / Malay / Tamil)		
3	Mathematics		
4	Computer Applications		
5	Elective 1	Science Elements of Business Skills*	Choose 1
6	Elective 2	Art * Design & Technology* Nutrition and Food Science* Music*	Choose 1

* coursework subjects

IMPORTANT DATES

Date	Details	Remarks
19 May 2022	Briefing to Sec 2	Subjects Preference survey
20 May to 24 May 2022	Students complete Subjects Preference Survey	
5 July 2022	Subjects Combination briefing to parents	
3 Oct – 11 Oct	End of Year Exam	
13 Oct 2022	Briefing on Subject Combinations for students	
28 Oct 2022	Last day of school	Commencement of Actual Subject Combination Exercise from 28 Oct to 31 Oct

NOTE

- Deadline for Actual Subject Combination application is on 5pm, 31 Oct (Mon). Students will be informed through email for the allocated subject combination on **9 Nov 2022**.
- Appeal period is from **9 Nov to 11 Nov, 5 pm**. Students will be informed through email on the outcome of their appeal.
- Students who did not submit their combinations successfully will be assigned based on vacancies.



NT

<https://forms.moe.edu.sg/forms/oOqAVv>



NA

<https://forms.moe.edu.sg/forms/Jm7dre>



Express

<https://forms.moe.edu.sg/forms/Jk7qIJ>



Preference Survey



Welcome!

STUDENTS



STAFF



Welcome!



NRIC / Birth Cert No. *

LOG IN

**Complete the survey by
Monday, 23 May 2022**

For further clarifications, please contact the following personnel:

English, Literature :

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Science:

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Computing:

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Humanities:

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

Mother Tongue (Malay Lit):

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

Aesthetics & Technology (D&T, Art, NFS, Music):

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