



SUBJECT SELECTION EXERCISE BRIEFING 2023

OBJECTIVES OF SUBJECT SELECTION EXERCISE

Combinations, Guidelines and Criteria Provided to:

- Develop students' areas of interest / strength;
- Maximise students' potential;
- Match students' aspirations with available and appropriate school resourcing.



SUBJECT COMBINATIONS FOR SEC 3 EXPRESS COURSE



SUBJECT COMBINATIONS OPTIONS FOR 3E COURSE

Pure Science (7 subjects)	Criteria
<ol style="list-style-type: none">1. English2. Mother Tongue3. Mathematics4. Humanities (Social Studies/ Geog or Hist or Lit)5. Additional Math6. Pure Chemistry7. Pure Physics or Pure Biology	<ul style="list-style-type: none">• Students must obtain $\geq 70\%$ (overall) for Science and $\geq 65\%$ (overall) for Math to qualify for the Pure Science course.• Students in the Pure Science course will take Additional Math as a compulsory subject.

SUBJECT COMBINATIONS OPTIONS FOR 3E COURSE

Pure Humanities (6 subjects)

1. English
2. Mother Tongue
3. Mathematics
4. Combined Sci (Chem/ Bio) **or** (Chem/ Phy)
5. Pure Geography
6. Humanities (Social Studies/ Hist **or** Lit)

Criteria

- Students must attain $\geq 70\%$ (overall) for Geography to qualify for Pure Geography.
- Pure Geography will only be offered if there is a **minimum number of 15 students** opting and are eligible for the subject.
- Students who opt for Pure Geography, will have to take either SS/HE or SS/Lit as their **second** Humanities subject. Students will need to pass overall at Sec 2 for the relevant elective chosen (History or Literature).

SUBJECT COMBINATIONS OPTIONS FOR 3E COURSE

Combined Science (7 subjects)

1. English
2. Mother Tongue
3. Mathematics
4. Additional Math
5. Humanities
(Social Studies/ Geog **or** Hist **or** Lit)
6. Combined Sci (Chem/ Phy)
7. Craft and Tech (Design and Technology **or** Art **or** Electronics **or** Nutrition and Food Science)

Criteria

- Students must obtain $\geq 65\%$ (overall) for Math to qualify for Additional Math/ Electronics.

SUBJECT SELECTION OPTIONS FOR 3E COURSE

Combined Science (6 subjects)

1. English
2. Mother Tongue
3. Mathematics
4. Humanities (Social Studies/ Geog **or** Hist **or** Lit)
5. Combined Sci (Chem/ Bio) **or** (Chem/ Phy)
6. Craft and Tech (Design and Technology **or** Art **or** Electronics **or** Nutrition and Food Science **or** Enhanced Music Programme **or** Additional Math)

Criteria

- Students must obtain \geq **65%** (overall) for Math to qualify for Electronics or Additional Math.
- Students must attain Grade A for Music **and** satisfy most of the criteria in the audition test to qualify for Enhanced Music Programme (EMP).



SUBJECTS BRIEFING



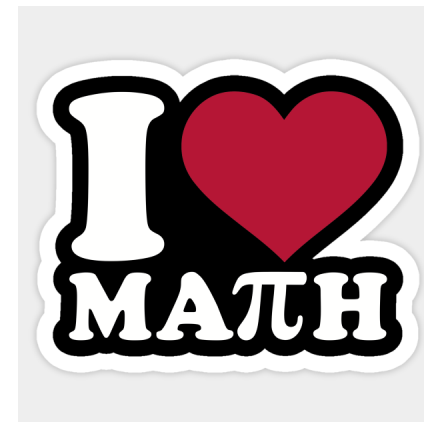
ADDITIONAL MATHEMATICS (A MATH)



THE A MATH SYLLABUS

Aims to enable students who have **higher ability in Math** and a **strong interest** to:

- ✓ Acquire **knowledge and skills** for **higher studies in Math** and support learning in **other subjects, including Science**
- ✓ Develop thinking, reasoning, communication and application in **higher level problem solving**
- ✓ Connect ideas between math and sciences
- ✓ Understand the abstract nature and **power of Math**



π φ e
Math is not just
solving for x
but also figuring
out y
 $\int f(x)dx$

ADVANTAGES OF OFFERING A MATH

- A Math students who **learned the subject well** in secondary school have more skills and knowledge, hence able to cope better at post secondary institutions.

CONSIDERATIONS

- As students will be **learning Math at a higher level**, they must be prepared to work on **more demanding problems** and exercise resilience and responsibility in completing their assignments.
- Students are expected to **invest twice the amount of time in studying Math** as the content for **EM and AM are different**, hence more time required to complete assignments.



O-LEVEL ELECTRONICS
(AN MOE APPLIED SUBJECT)



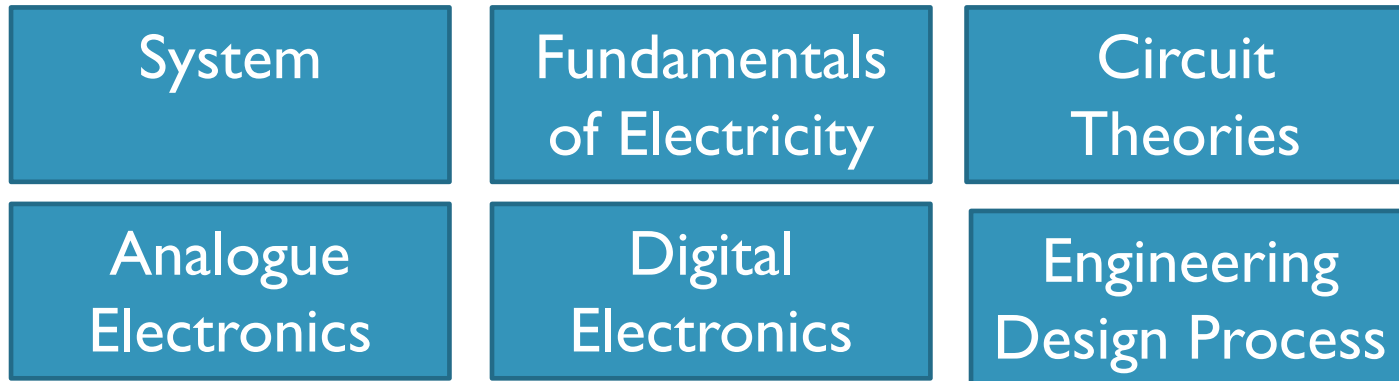
WHAT IS O-LEVEL ELECTRONICS?

- **O-Level Electronics** is an O-level Applied Subject (AS) for upper secondary students.
- As an engineering subject, the subject involves the application of the science of electronics to solve real-world problems.

CHOOSING O-LEVEL ELECTRONICS

Gain knowledge of electronics & build a strong foundation for further study

- The content of the syllabus covers important areas of electronics:



ASSESSMENT MODE

Paper 1 – Written Paper

This written paper consists of two sections.

All questions are compulsory.

- Section A: Six to ten short answer questions
- Section B: Four 15-mark questions

Paper 2 - Coursework

This is an application-specific electronic project which involves the design, building and testing of an electronic circuit to solve a specific problem.

- **Project is carried out over a period of 32 hrs in Secondary 4.**

CERTIFICATION AND PROGRESSION

- For admission to JCs & MI:
 - Could be considered as one of the elective subjects in the computation of LIR5 (as R4 or R5) and LIR4 (as R3 or R4)
- For admission to polytechnics:
 - Depending on the polytechnic course applied for, it could be counted as a relevant subject, or at least a best subject in the computation of ELR2B2
 - Strong candidates for early admission application to polytechnic Electronics and related Engineering courses



PURE SCIENCE/ COMBINED SCIENCE



PURE SCIENCE VS COMBINED SCIENCE

JUNIOR COLLEGE

1 Pure Science subjects are generally required to qualify for H2 Science subjects at the A Levels. However, students who take combined Science can still enter JCs.

2 More Handling/ Problem Solving Questions

Approximately 55% of the paper has to do with handling information and problem solving

3 Higher Practical Weightage

Practical component takes up 20% of the overall marks

4 More Timetabled Time

17 periods per week for 2 Pure Science subject (5 hrs 40 mins)

POLYTECHNIC

1 Combined Science subjects will allow students to offer Science courses at the Polytechnics

2 More Knowledge with Understanding/Recall questions

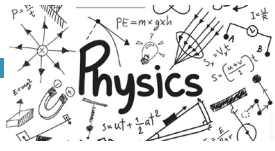
Approximately 50% of the paper is about knowledge with understanding with 20% recall questions

3 Lower Practical Weightage

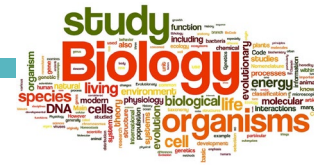
Practical component takes up 15% of the overall marks

4 Less Timetabled Time

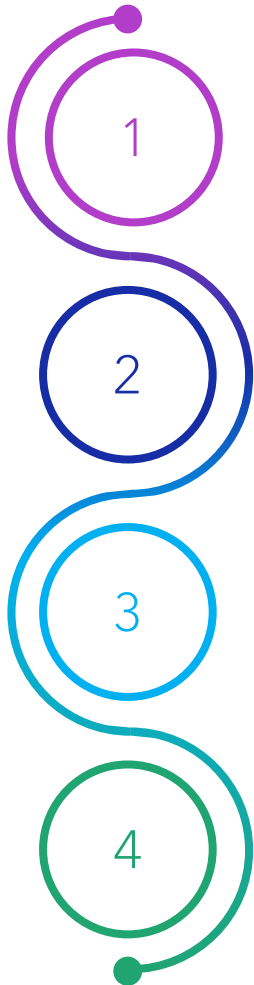
10 periods per week for combined Science (3 hrs 20 mins)



Physics vs Biology



- Chemistry is a common Science regardless of whether students choose Pure or Combined Science, as it is a pre-requisite for most post-secondary school courses.



Choice does not affect Post-Secondary Pathway @ Polytechnic

Choosing Physics / Biology does not affect your post-Secondary pathways – students who have not taken the Biology can still qualify for Biology related courses at the Polytechnics for example. Students may be required to take bridging courses.

Do not choose Biology just because you do not like Physics/Mathematics

Biology requires much conceptual understanding and memorising which may not be easier than the calculations for Physics/Mathematics

Consider your personal interests!

Do consider the topics taught for Physics (e.g. Electricity, Waves, Kinematics, Forces) as well as Biology (Plant/Animal transport system, digestive system) to consider the ones you might be more interested in

Consider your aptitude

Students sometimes choose one subject over the other because of their subject teachers at Sec 2. Do consider which subject you are more likely to do better at the O Levels!



DATES & PROCEDURES



SUBJECT SELECTION EXERCISE: PROCEDURES

- You are expected to discuss the elective options that you are **eligible for** with your parents before exercising your options.
- If you **do not participate** in the online subject selection exercise by the given deadline, the **school will allocate** a course to you.

SUBJECT SELECTION EXERCISE: DATE

The subject selection exercise will be scheduled after the release of the End-of-Year Examination results.

From **27 Oct 2023, 2 pm**
to **1 Nov 2023, 2 pm**

RELEASE OF SUBJECT SELECTION RESULTS

The subject selection results will be released on

10 Nov 2023, 9 am

APPEAL

- **Appeal period: 10 Nov 2023 - 14 Nov 2023, 2pm**
- **Release of appeal results: 20 Nov 2023**
- **Students can log in to the Subject Selection portal to submit your appeal request and check the outcome of the appeal.**

USER ID AND PASSWORD

Your User ID and Password to log in to the Subject Selection portal and the user guide will be given to you by 26 Oct 2023.



Questions?



SUBJECT SELECTION PORTAL DEMO





Thank you!