Peirce Secondary School

SECONDARY 2 SUBJECT OPTIONS EXERCISE (SSOE) 2025

INFORMATION BOOKLET
for
Secondary 3 Mastery Pathway (2026)
For students offering mostly G1 subjects

GENERAL INFORMATION

This booklet provides information on the various elective subjects available for students offering mostly G1 subjects in 2026.

1. Subject Options Exercise is conducted after the release of the end-of-year examination results.
2. Parents whose child is eligible for G2/G3 subject(s) will receive offer letter(s) via Parents Gateway.
3. Students will be provided an opportunity to indicate their interest of subject combination in Term 2.
4. Students will be briefed about the finalised subject combination in Term 4.

Subjects	Subject Prerequisites
COMPULSORY SUBJECTS	
ENGLISH LANGUAGE	
English Language (EL) at G1	Nil
English Language (EL) at G2	At least a Grade A in Sec 2 G1 EL or Grade 5 in Sec 2 G2 EL
MOTHER TONGUE LANGUAGE	
Mother Tongue Language (MTL) at G1	Nil
Mother Tongue Language (MTL) at G2	At least a Grade A in Sec 2 G1 MTL or Grade 5 in Sec 2 G2 MTL
MATHEMATICS	
Mathematics at G1	Nil
Mathematics at G2	At least a Grade A in Sec 2 G1 Maths or Grade 5 in Sec 2 G2 Maths
COMPUTING at G1	NIL
SCIENCE	
Science at G1	Nil
Science (Physics/ Chemistry) at G2	At least a Grade A in Sec 2 G1 Science or Grade 5 in Sec 2 G2 Science
DESIGN & TECHNOLOGY	
Design & Technology (D&T) at G1	Nil
HUMANITIES	
Social Studies & Geography at G2	At least a Grade 5 for Sec 2 G2 Geography *OR* At least a Grade A for Sec 2 Humanities at G1 & Grade A for Sec 2 G1 EL, with teacher's recommendation
Social Studies & History at G2	At least a Grade 5 for Sec 2 G2 History *OR* At least a Grade A for Sec 2 Humanities at G1 & Grade A for Sec 2 G1 EL, with teacher's recommendation

G1 Subject Combination Options Summary 2026

Mastery Pathway – For students offering mostly G1 subjects					
Subject 1	**Subject 2**	**Subject 3**	**Subject 4**	**Subject 5**	**Subject 6**
EL	MT	Maths	D&T	Science	Computing

Note

1. Students in the Balanced Pathway can offer a maximum of 6 subjects.
2. Subject combination option is subject to adjustment in Semester 2.

Legend

1. EL – English Language
2. MT – Mother Tongue
3. D&T – Design and Technology

Submission of Option Forms and Release of Subject Options Exercise Results

1. Parents are advised to carefully consider their child's choices of subject combinations and complete the option form.
2. Results of the Subjects Options Exercise will be released within a few weeks of the exercise.
3. Parents will be able to view their child's allocated subjects via a link to "All Ears" Form, which will require their child to login in using his/her NRIC.
4. Appeals
    - All appeals will be considered **only after** the Subject Options Exercise has been completed and the results, released.
    - These appeals must then be **made via** a link given in "All Ears" Form when they view the results.
    - Appeals will only be considered if they do not contradict the established school policy on subject options.
    - The appeals will be considered on a case-by-case basis.
    - The results of the appeals will only be confirmed and made known to applicants at the end of November. Applicants may check the outcomes of their appeals via the "All Ears" Form.
    - The school's decision will be final, and no further appeals can be made.

School Policy on Subject Options

1. The school reserves the right to decide on the final subject combination offered.
2. The students will be allocated their subject combinations based on the following:
    a. **Subject criteria for specific subjects (Based on the subject's overall results)**
    b. If demand is greater than the number of vacancies, priority will be given based on the following (listed in order of importance):
        i. Order of Choice (First choice will be looked at first)
        ii. Order of Merit (Subject-specific)
        iii. Order of Merit (Overall average for all subjects)
3. Subject Options Committee will accommodate students' requests whenever possible, taking into account students' suitability as well as the need for sufficient demand.
4. Students who are not given any of their preferred subject combinations or do not meet the pre-requisites for any combinations will be allocated subjects based on their strengths.

G1 Computing

Brief Description
The G1 Computing curriculum aims to grow student's interest and competency in basic computing concepts and skills. This will equip students with the necessary foundation to continue with post-secondary computing-related courses in ITE.

The two-year course at the upper secondary levels is to enable students to:
1. Acquire knowledge and understanding of the concepts of computer systems, networks, application software and programming;
2. Develop and apply computational thinking skills such as abstraction and decomposition by creating computational artefacts;
3. Develop and apply media software skills by using application software;
4. Develop an appreciation of computing as a creative field together with an awareness of cybersecurity, emerging technology and the impact of computing;
5. Develop 21CC and attitudes needed to do well in computing including critical, adaptive and inventive thinking, collaboration, communication as well as perseverance in striving for accuracy and thoroughness.

Students will demonstrate understanding of computing and networking concepts, application software and the impact of computing. They will use relevant application software to produce computational solutions in the form of documents, spreadsheets and charts, as well as demonstrate computational thinking through analysing and debugging programs. Students will also apply their skills to create computer graphics, videos and games.

This syllabus comprises seven modules and the units of study for each module are as listed with details below. The study is undertaken at the upper secondary levels for two years.

The seven modules are:

Module 1: Computing Fundamentals
1.1 Components
1.2 Input and Output
1.3 Software

Module 2: Networking
2.1 Concepts
2.2 Cloud Computing

Module 3: Impact of Computing
3.1 Technology
3.2 Responsible Use of Computers

Module 4: Document Processing
4.1 Body Text
4.2 Page properties
4.3 Graphics and text boxes

Module 5: Spreadsheets
5.1 Cell Formats
5.2 Charts
5.3 Formulas
5.4 Functions
5.5 Sorting and Filtering
5.6 Data validation

Module 6: Media Software
6.1 Media Elements
6.2 Vector graphics
6.3 Raster graphics
6.4 Presentations and Videos

Module 7: Programming
7.1 Basics
7.2 Game programming

Examination Requirements
Secondary Education Certificate Examination

Paper 1 Marks: 60 Weightings: 40%	Section A 20 Multiple-Choice-Questions [20 marks] Section B Short Structured Questions [40 marks]	1 hour 15 minutes
Paper 2 Marks: 90 Weightings: 60%	3 Tasks Media Software [~30 marks] Document Processing & Spreadsheets [~35 marks] Programming [~25 marks]	2 hours

For students who…
- have an interest in and passion for Computing

Post-Secondary Options
For application to related ITE certificate courses, Computing counts as one of the relevant subjects in the computing of the ITE aggregate score based on the best 4 G1 subjects.

Design and Technology

Brief Description
Design and Technology (D&T) at the upper secondary level emphasises designing that involves research, reasoned application of knowledge and skills in areas of design and technology. Students will then combine the knowledge and skills acquired in the realisation of their Design Project.

The subject requires students to apply appropriate knowledge of materials, processes and technological areas in creating a design solution. It also provides students with opportunities to relate D&T to other subjects and apply their understanding from Science, Mathematics and Art, etc. Skills like creativity, innovation, communication, critical thinking, collaboration and problem solving will also be taught through purposeful design tasks in the curriculum. These skills are applicable in other subject areas.

In D&T coursework, students engage in the design process. They capture their thought processes in a Design Journal, documenting how they arrive at the design solution, progressing through conceptualisation, development and realisation. Students will also need to demonstrate their competency in graphical communication, sensitive use of materials and appropriate constructional methods through the submission of A Design Journal, Presentation Boards and an Artefact for their final design proposal.

For pupils who …
- like to doodle, have strong inclination in designing and solving everyday problems. Pupils doing this subject must have good self-discipline and perseverance to work through the essential processes of researching, discovering, creating and evaluating.

Examination Requirements
'NT' Level Examination
Coursework (70%): 1 Artefact, 2 Presentation Boards & 1 Design Journal.
Theory (30%): A 1-hour written paper consisting of 2 sections.

Post-Secondary Options
D&T provides foundational knowledge for students opting for Engineering or design-related Courses. It is accepted as one of the relevant subjects for application to Science-based courses, Technology courses and Design courses in the local polytechnics.