



## Peirce Secondary School

### SECONDARY 2 SUBJECT OPTIONS EXERCISE (SSOE) 2020

### INFORMATION BOOKLET for Secondary 3 Normal (Academic) Course 2021

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## GENERAL INFORMATION

This booklet provides information on the various elective subjects available for Sec 3 in 2020, to enable parents to make informed choices on their children's subject options for Sec 3 based on academic inclinations, strengths, interests and aptitudes. The information provided in this booklet is correct as at time of preparation.

1. Option is made after the results for the end-of-year examination is released.
2. Students will only be able to choose from a list of subject combinations they have qualified for.
3. Students will be briefed 2 times – once in Term 3 and one more time in Term 4.
4. Mock Subject Options Exercise in Term 3 Week 5
  - a. The school conducts a mock Subject Options Exercise after the release of Term 2/ mid-year results to provide:
    - i. a **reality check** for students – it helps them recognize the gap between their wants and their performance;
    - ii. a **dipstick** for the school to gauge student interest and their choices so that we can anticipate and work on our resource management;
  - b. Sec 2 pupils will indicate their subject choices in Term 3 Week 5 after Term 2/ mid-year results are out.
  - c. Students will be allocated their subject combination based on merits of Sec 2 First Semester Combined results.
  - d. Results of the Subject Options Exercise will be released after the 1 week July break through the school ePortal.
  - e. The mock exercise **will not have any bearing** on the actual exercise in October.
5. Actual Subject Options Exercise in October  
Students will be allocated their subject combination based on merits of Sec 2 Overall results.

#### Instructions on filling up of Option Form

1. The students will each receive a personalised hardcopy option form.
2. The list of subject combinations which the students have qualified for will also be shown.
3. The students are to indicate the order of choice (1<sup>st</sup> to 5<sup>th</sup>) against the corresponding subject combinations they are opting for in the rightmost column.
4. Login to the school LMS portal via <http://www.peircesec.moe.edu.sg> and access the e-Streaming module (Tools tab >> Administrative Tools Section >> e-Streaming).
5. The students are to enter their choices into the e-Streaming module as per the options indicated in the hardcopy form and complete the process by clicking on the **“submit”**, **“confirm”** and **“print”** buttons in sequence.
6. Parents must sign on the print-out of the online option form.
7. Students who are **eligible for out-of-stream subject(s)** will be given a hardcopy form for selection and students are to return the form within 2 working days.

## Submission of Option Forms and Subject Options Exercise Results

1. Parents are advised to carefully consider their choices of subject combinations and complete the option form.
2. Submission of the option form must be made by the given deadline, failing which the school will reserve the right to allocate, for the student, a subject combination that is appropriate for his/her ability and aptitude.
3. Results of the subject options exercise results will be released within 2 weeks of the exercise.
4. Parents will be able to receive their child's subject options results through the following channel:
  - Peirce LMS portal
5. Appeals
  - All appeals will be considered **only after** the subject options has been completed based on standing policies and the results released.
  - These appeals must then be **made using the official appeal form** and must be submitted by the given deadline.
  - Conditions for appeal: Appeals will only be considered if it is not against any of the established school policy on subject options (see below)
  - The appeals will be addressed on a case-by-case basis.
  - The results of the appeals will only be confirmed and made known to applicants in end-December. Applicants may check the outcome of their appeals via the LMS or the noticeboard outside the school office.
  - The school's decision will be final and no further appeal can be made.

## School Policies on Subject Options

1. The school reserves the right to decide on the final subject combination offered.
2. Number of subjects to be offered to Normal (Academic) students is 6.

Subjects Offered in Sec 3A (At GCE 'N' level unless otherwise stated)	Subject Pre-Requisite and Additional Criterion
<b>ENGLISH LANGUAGE</b>	
English Language	Nil
English Language at 'O' level	Students in 2A: At least a Grade 2 in Sec 2NA English or C6 in Sec 2E English
<b>MOTHER TONGUE LANGUAGE</b>	
Mother Tongue Language	Nil
Mother Tongue Language at 'O' level	Students in 2A: At least a Grade 2 in Sec 2NA MTL or C6 in Sec 2E MTL
<b>SCIENCES (Choose one)</b>	
Science (Physics/ Chemistry)	Nil
Science (Physics/ Chemistry) at 'O' level	Students in 2A: At least a Grade 2 in Sec 2NA Science or C6 in Sec 2E Science
Science (Chemistry/ Biology)	Nil
<b>HUMANITIES (Choose one)</b>	
Humanities (Social Studies/Geography)	Nil
Humanities (Social Studies/History)	Nil
<b>MATHEMATICS</b>	
Mathematics	Nil
Mathematics at 'O' Level	Students in 2A: At least a Grade 2 in Sec 2NA Mathematics or C6 in Sec 2E Mathematics
<b>ELECTIVES (Choose one)</b>	
Additional Mathematics	Students in 2A: At least a Grade 2 in Sec 2NA Mathematics or C5 in Sec 2E Mathematics
Design & Technology	Nil
Design & Technology at 'O' Level	Students in 2A: At least a Grade 2 in Sec 2NA Design & Technology
Art	Nil
Food & Nutrition	Nil
Principles of Accounts	Nil

3. The students will be streamed based on the following:
  - a. Merit of their **Sec 2 Overall results**
  - b. In the event that demand is greater than number of vacancies, priority is given in the following order:
    - i. Order of Choice (First choice will be looked into first)
    - ii. Order of Merit (Subject Specific)
    - iii. Order of Merit (Overall Average for all subjects)
4. Subject Options Committee will try to allocate the students their requests as much as possible but this is subjected to our resource availability.
5. For students who are not given any of their choices or do not meet the minimum requirements for any combinations will be allocated a subject based on the relative strength.

# OPTIONS

## SCIENCES

### Brief Description

All students are required to study at least one Science subject. There are 3 basic branches of Science:

1. Physics – Physics is concerned with the underlying principles of the natural world, and deals with the elementary constituents of the universe, that is, all classes of matter and energy, their interactions, as well as the analysis of systems which are best understood in terms of their fundamental principles.
2. Chemistry – Chemistry deals with the composition and statistical properties of matter and structures, as well as their transformations and interactions to become materials encountered in everyday life. The physical properties of materials are generally determined by their structure at the atomic scale which in turn is dictated by the properties and energies of the interactions.
3. Biology – Biology, essentially the study of Life, is concerned with the characteristics, classification, and behaviours of organisms, how species come into existence, and the interactions they have with each other and with the environment. All concepts in biology are subject to the same laws that other branches of science obey, such as the laws of thermodynamics and conservation of mass.

Students may opt to do:

- 1 Combined Science subject from Science (Physics/ Chemistry) or Science (Chemistry/ Biology)

As a guide, the content of the component subjects of Combined Science is about 60% of each individual pure science subject and it is important to be able to cope with both components equally well in order to do well. For example, students pursuing Science (Physics/Chemistry) must do equally well in the Physics and Chemistry components in order to obtain a good grade for the subject.

S(pc) Science (Physics/ Chemistry)	S(cb) Science (Chemistry/ Biology)
<b>Examination Requirements</b> 'N' Level Examination for Combined Science comprises:	
<ul style="list-style-type: none"> <li>• Paper 1 : Multiple-choice Questions (Physics)</li> <li>• Paper 2 : Structured Questions (Physics)</li> <li>• Paper 3 : Multiple-choice Questions (Chemistry)</li> <li>• Paper 4 : Structured Questions (Chemistry)</li> <li>• Paper 5 : Multiple-choice Questions (Biology)</li> <li>• Paper 6: Multiple-choice Questions (Biology)</li> </ul>	} Candidates take <b>either</b> Paper 1, 2, 3 and 4 (Physics/ Chemistry) <b>or</b> Paper 3, 4, 5 and 6 (Chemistry/ Biology)

### Post-Secondary Options

Science subjects at the secondary level prepare students for the next phase of education, i.e. for JC and polytechnic education. Students who have studied Physics, either as a Combined Science option or as a pure subject, will have a broad choice of options at the tertiary level, as many JC subject combinations and polytechnic diploma courses require Physics as a prerequisite subject. This is especially true of Engineering courses.

With the increasing influence of Life Sciences, students who have studied Biology will have an advantage when they pursue Life Science courses in the polytechnics, or pursue Life Science subject combinations in JC. However, Chemistry, and not Biology, is the compulsory subject for university studies in Life Sciences or medicine-related degree programmes. Thus, for those who are thinking of a career in Life Sciences, it is important to have studied Chemistry, either as a pure subject or a Combined Science option, during the secondary school education.

## HUMANITIES

(A compulsory subject in the GCE examinations)

**All pupils have to choose one** of the following elective components in combination with **Social Studies**.

The two elective components available are:

g Geography Elective	h History Elective
<p>The Geography Elective syllabus is offered as an elective component together with the compulsory component of Social Studies to form the Combined Humanities subject.</p> <p><b>Brief Description</b> The Geography Elective involves the study of both Physical and Human Geography. Pupils will learn about the world's human and physical features and the relationships between people, places and the earth. It shows how the world is connected and how the occurrence of one event in one place affects a person's life in another place. It is a study of the surface of the earth, its diverse landscapes, its features and natural phenomena and human activities.</p> <p>Pupils will learn:</p> <ul style="list-style-type: none"> <li>• the features and formation of landforms in the physical landscape</li> <li>• the relationships between people and their environment</li> <li>• the development and management of the physical and human environments</li> <li>• case studies of different physical-human relationships</li> <li>• problem solving skills</li> <li>• map reading skills in context of studies made of the physical and human environment</li> </ul>	<p>The History Elective syllabus is offered as an elective component together with the compulsory component of Social Studies to form the Humanities subject.</p> <p><b>Brief Description</b> The History syllabus provides students with an understanding of the complexities of international relations. It highlights the importance of understanding and interpreting of history in all its complexity – its people, events, issues, periods, turning points, themes and sources. The syllabus also equips students with the necessary skills to make reasoned and informed decisions.</p> <p>Some of the History Elective topics include:</p> <ul style="list-style-type: none"> <li>• World War I and the immediate aftermath</li> <li>• Peace Making and Rise of authoritarian regimes</li> <li>• War in Europe and War in Asia Pacific</li> <li>• The outbreak and escalation of the Cold War and the End of Cold War</li> </ul>

<p><b>For pupils who...</b> have a keen interest in seeking an understanding of the surroundings and happenings and the inter-relationships between people and the environment.</p> <p><b>Post-Secondary Options</b> Pupils can continue to pursue the subject at a greater depth at the 'A' Level. Pupils seeking admission to Junior Colleges (JCs) will need to include the Humanities grade for their L1R5 aggregate computation. To pursue a polytechnic diploma, the Combined Humanities subject counts as one of the relevant subjects in computing the ELR2B2 aggregate for Business-Related courses in Polytechnics.</p>	<p><b>For pupils who ...</b></p> <ul style="list-style-type: none"> <li>• have an interest in current affairs</li> <li>• are interested in how human actions and political events shape our world</li> <li>• are able to carry out independent research learning</li> </ul> <p><b>Post-Secondary Options</b> Pupils can continue to pursue the subject at a greater depth at the 'A' Level. Pupils seeking admission to Junior Colleges (JCs) will need to include the Humanities grade for their L1R5 aggregate computation. To pursue a polytechnic diploma, the Combined Humanities subject counts as one of the relevant subjects in computing the ELR2B2 aggregate for Business-Related courses in Polytechnics.</p>
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## ELECTIVES

<b>M</b>	<b>Additional Mathematics</b>
<p><b>Brief Description</b> In the Singapore secondary mathematics curriculum, the subject, Additional Mathematics, consists of 3 sections:</p> <ol style="list-style-type: none"> <li><u>Algebra</u> – This is an important branch in mathematics that has strong links with all other branches in mathematics. It will provide students with the language and tools to represent abstract ideas, relationships and patterns using concise symbols.</li> <li><u>Geometry and Trigonometry</u> – Geometry deals with points, lines (curves) and angles, their relationships and links. The learning of geometry helps students develop the spatial visualisation skills, which complement and support the mathematical skills from other branches of mathematics. Trigonometry supports the learning of geometry and is important in the study of periodic behaviour, phenomena and models that they may encounter in higher learning.</li> <li><u>Calculus</u> – Calculus is an important branch of mathematics and deals with the concept of change. It is used in many fields of study including the physical sciences, computer science, economics, business, engineering and medicine. It involves abstract concepts and processes involving infinitesimal quantities and changes and limiting operations. As such, this section demands a strong foundation in Algebra and Geometry from the student.</li> </ol> <p><b>Prerequisites</b> Students who have scored <b>at least an Overall Grade 2 in Sec 2NA Mathematics</b> at Sec 2 can consider opting for Additional Mathematics. In addition, a hardworking attitude and lots of perseverance is needed because Additional Mathematics requires regular work and much practice to master. The student has to be very strong in Algebra to excel in the subject.</p> <p>For those who are interested to pursue Additional Mathematics at “N” level, they must also qualify and select Mathematics at “O” Level.</p> <p><b>Post-Secondary Options</b> The syllabus will prepare you adequately for 'A' Level H2 Mathematics and H3 Mathematics, where a strong foundation in algebraic manipulation and mathematical reasoning skills are used. In addition, many courses in the polytechnics also require students with a strong foundation in Mathematics. While anecdotal evidence has shown that students with Additional Mathematics background are able to cope with the courses better, most of the diploma courses do not require Additional Mathematics as a prerequisite.</p>	

<b>D</b>	<b>Design and Technology</b>
<p><b>Brief Description</b> Design and Technology (D&amp;T) at the upper secondary level emphasises on designing involving research, reasoned application of knowledge and skills in areas of design and technology. Pupils will then combine the knowledge and skills acquired towards the realisation of their Design Project.</p> <p>The subject requires pupils to apply appropriate knowledge in materials, processes and technological areas towards creating a design solution. It also provides pupils with opportunities to relate and apply their understanding from other curriculum areas like Science, Mathematics and Art. 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 studies.</p> <p>In a typical D&amp;T coursework, pupils in the design process. A Design Journal is a portfolio that reflect a student's thinking processes while working towards the design solution from conceptualisation, development to realisation. Pupils will also need to demonstrate their competency in graphical communication, sensitive use of materials and appropriate constructional methods through submission of A Design Journal, Presentation Boards and an Artefact for their final design proposal.</p> <p><b>For pupils who ...</b></p> <ul style="list-style-type: none"> <li>• like to doodle, have strong inclination to designing and solving everyday problems. As such, pupils doing this subject must have good self-discipline and perseverance to work through the essential processes of researching, discovering, creating and evaluating</li> </ul> <p><b>Examination Requirements</b></p> <p><u>'N' Level Examination</u> Coursework (60%): 1 artifact, 2 presentation boards &amp; 1 design journal. Theory (40%): A 1.5 hour written paper consisting of 2 sections.</p> <p><b>Post-Secondary Options</b> The D&amp;T subject provides a headstart 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.</p>	

<b>F</b>	<b>Food and Nutrition</b>
<p><b>Brief Description</b>            At lower secondary, pupils study Food and Consumer Education (FCE), in which they learn basic facts about food, nutrients and food science. At upper secondary, they learn in greater depth about food science and nutrition.</p> <p>In Food &amp; Nutrition (F&amp;N), students learn the basics of the food chemistry, human digestion and absorption of food. Acquiring these basics will enable them to study food and nutrition from a scientific point of view, equipping them with the understanding of what foods are essential to health and what happens to food during processing.</p> <p>The coursework component in the subject involves application of knowledge to analyse, research and develop on a given task. Pupils plan and execute the task, after which they need to review the processes involved. Pupils are also developed in their ability to plan, execute, record, interpret findings and draw logical conclusions from experimental work.</p> <p><b>For pupils who ...</b></p> <ul style="list-style-type: none"> <li>• have an interest in nutrition and health problems associated with diet</li> <li>• enjoy testing and experimenting with food</li> <li>• are able to carry out independent research learning</li> </ul> <p><b>Examination Requirements</b>  <u>'N' Level examination</u>            Coursework (60%): An assignment given at the beginning of the examination year to be completed by July of the same year.            Theory (40%): A 1.5 hour written paper consisting of three sections.</p> <p><b>Post-Secondary Options</b>            Pupils seeking admission to Junior Colleges (JCs) or Millennia Institute (MI) can include the Food &amp; Nutrition grade for their L1R5 or L1R4 aggregate computation respectively. To pursue a polytechnic diploma, Food &amp; Nutrition counts as one of the relevant subjects in computing the ELR2B2 aggregate in courses such as Sports and Exercise Sciences, Applied Food Science and Health Sciences.</p>	

<b>A</b>	<b>Art</b>
<p><b>Brief Description</b>            The study of the Art subject provides a foundation in understanding and evaluating aesthetic intention and artistic skills so as to develop Visual Literacy.</p> <p>The subject content is structured under the domains of Perceiving, Communication and Appreciation. This framework provides the focus for the teaching and learning of Art.</p> <p>At the lower secondary level, Visual Art develops pupils' ability in exploring creativity and their personal identities. Pupils explore different media of art and its unique qualities.</p> <p>At the upper secondary, pupils acquire a deeper appreciation of art through:</p> <ol style="list-style-type: none"> <li>i) Studio Practice</li> <li>ii) Study of Visual Arts (SOVA)</li> </ol> <p>In Studio Practice, pupils will experiment with techniques in drawing and painting.            In SOVA, pupils develop visual literacy and critical thinking skills such as analysis, interpretations and evaluation to provide them with the skills to inquire about Art.</p> <p>Students learn about art concepts and styles through the study of artists and artworks. They learn to interpret images through 3 broad themes: Art as narrative and inspiration, art as expression and identity, art as communication and design.</p> <p>The art programme strives to provide pupils with authentic experiential learning through programme tie-ups with external art learning institutions and art competitions.</p> <p><b>For pupils who ...</b></p> <ul style="list-style-type: none"> <li>• have a keen interest in Design, Fine Art, Computer and Print Media</li> <li>• are self-motivated and hardworking</li> <li>• are thrilled to experiment different art media and techniques</li> </ul> <p><b>Examination Requirements</b>  <u>'N' Level Examination</u>            Coursework (60%): 5 presentation boards &amp; 1 final art piece.            Drawing &amp; Painting (40%): 5 A3 size preparatory work to be brought into the examination venue.</p> <p><b>Post-Secondary Options</b>            Students can choose to do Art as one of their 'A' Level subjects in some of the Junior Colleges. The subject also counts as one of the relevant subjects for polytechnic courses such as Architecture, Landscape Architecture and Interior Design. Students could also choose to further develop their passion in arts with Nanyang Academy of Fine Arts (NAFA) or with LASALLE-SIA College of the Arts.</p>	

## T Principles of Accounts

### Brief description

The Principles of Accounts syllabuses seek to develop in students the knowledge and skills to prepare, communicate and use both accounting and non-accounting information related to the business for decision-making.

To understand the purpose of the information and how business activities are measured and presented, students will be equipped with the basic knowledge and skills to prepare and present accounting information and communicate them in a useful manner that can be understood by others.

By learning to become users of information, students understand:

- what business decisions are;
- how decisions are made using accounting information;
- the limitations of relying only on accounting information; and
- the consideration of non-accounting information.

### Assessment

N Level Examination	Details	Weighting	Duration
Paper 1	Answer three to four compulsory structured questions (40 marks)	40%	1 hour
Paper 2	Answer four compulsory structured questions. (60 marks)  <ul style="list-style-type: none"> <li>• One question requires the preparation of financial statements for a business for one financial year (20 marks)</li> <li>• A scenario-based question (5 marks for N Level) will be part of one of the three remaining questions</li> </ul>	60%	2 hours

### Post-Secondary Options

Pupils seeking admission to Junior Colleges (JCs) or Millennia Institute (MI) can include the Principles of Accounts grade for their L1R5 or L1R4 aggregate computation respectively. To pursue a polytechnic diploma, Principles of Accounts counts as one of the relevant subjects in computing the ELR2B2 aggregate in several courses.

## CRITERIA FOR PROMOTION TO SEC 5 AFTER GCE N LEVEL

Grade 5 or better in English and Math

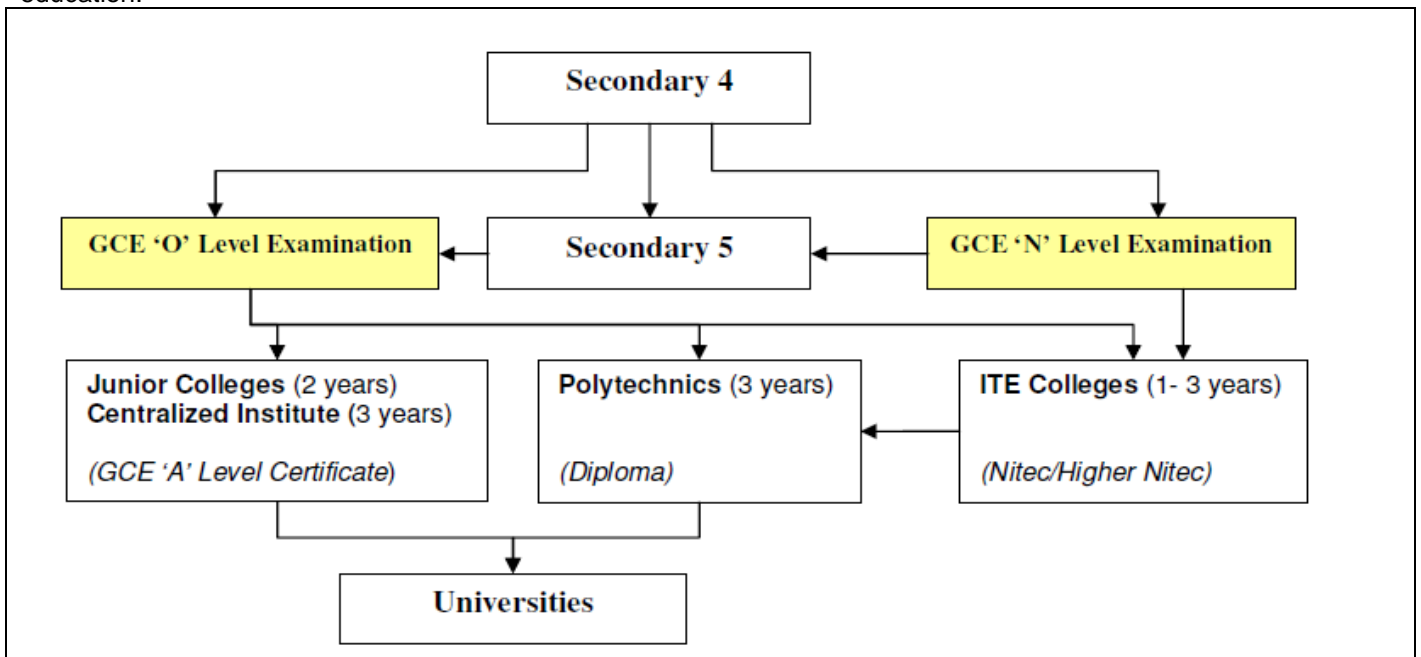
Aggregate of 19 points or less for EL+Math+Best 3 subjects (ELMAB3).

### Note:

ELMAB3 requires students to score Grade 5 or better for at least 5 subject passes, including EL and Math

## POST-SECONDARY EDUCATION OPTIONS

The following chart shows the various progression paths and options for pupils who have completed their secondary education.



## **Polytechnic Foundation Programme (PFP)**

For N(A) students who are academically strong and clearly polytechnic bound

PFP eligibility: ELMAB3  $\leq$  12 (excluding CCA bonus points) and at least a Grade 3 or better for all subjects used in the computation of your ELMAB3 aggregate. (Note: Certain PFP courses require an EL grade of 2.)

## **ITE DES-to-Polytechnic Program (DPP)**

For N(A) students who are fairly strong academically

DPP eligibility: ELMAB3  $\leq$  19 points (excluding CCA bonus points) and met the following course-specific requirements:

For Applied Sciences, Engineering and Info-Communications Technology courses

<b>GCE N-Level subjects</b>	<b>Minimum Required Grades</b>
English Language Syllabus A	4
Mathematics (Syllabus A/ Additional)	4
Any three other subjects excluding CCA	5

For Business & Services courses:

<b>GCE N-Level subjects</b>	<b>Minimum Required Grades</b>
English Language Syllabus A	3
Mathematics (Syllabus A/ Additional)	4
Any three other subjects excluding CCA	5

Advantage of choosing DPP over Sec 5N

- Direct entry to Higher Nitec which is otherwise only available for O-level students
- Students assured of 1<sup>st</sup> or 2<sup>nd</sup> year place in related polytechnic Diploma course if they attain the qualifying GPA scores

### After 'O' Level

- Pre-University – Junior Colleges (2 years) and Millennia Institute (3 years)
- Polytechnics
- Institute of Technical Education

■ COMPARISON BETWEEN Junior College and Polytechnics	
Junior College	Polytechnics
2-year course	3-year course
Knowledge-based subjects	Market-driven and career-oriented courses
Preparation for university admission	Preparation for further education and the workforce
GCE 'A' Level qualification	Diploma in course majored
Structured & disciplined learning environment	Dynamic and progressive learning environment

### Entry Requirements For Pre-University / Polytechnics

#### Bonus Points

Bonus points are given to students in the computation of their net aggregates. These bonus points are for ranking of students during posting.

	Type of Bonus Points	No. of Bonus Points Available	Maximum Bonus Points Allowable
1	Students seeking admission to <b>JC/Poly/ITE</b> and with the following <b>CCA grades</b> :		4 points for JC  2 points for MI/Poly/ITE
	<b>Excellent</b> (student attains min level 3 in all 4 domains with at least a level 4 in one domain)	2 points	
	<b>Good</b> (student attains a min level 1 in all 4 domains with any one of the following: at least level 2 in 3 domains; at least level 2 in 1 domain and at least level 3 in another domain; or at least level 4 in one domain)	1 point	
2	Students seeking admission to <b>JC/MI</b> with grades of <b>A1-C6 for both languages</b> . (English Language & Higher Mother Tongue)	2 points	

#### Junior Colleges - L1R5 must be 20 points and below.

<b>Requirements of Core Subjects</b> <ul style="list-style-type: none"> <li>• English Language (A1-C6)</li> <li>• Mother Tongue (A1-D7)</li> <li>• Math or Add Math (A1-D7)</li> </ul>	<b>Relevant Subjects for L1R5</b> L1: EL / Higher MT R1: Humanities R2: Math / Science R3: Humanities / Math / Science R4: Any 'O' Level subject except CCA R5: Any 'O' Level subject except CCA
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#### Millennia Institute - L1R4 of 20 points and below

([www.millennia institute.moe.edu.sg](http://www.millennia institute.moe.edu.sg))

<b>Requirements of Core Subjects</b> <ul style="list-style-type: none"> <li>• English Language (A1-C6)</li> <li>• Mother Tongue (A1-D7)</li> <li>• Math or Add Math (A1-D7)</li> </ul>	<b>Relevant Subjects for L1R4</b> L1: EL / Higher MT R1: Humanities / Math / Science R2: Humanities / Math / Science R3: Any 'O' Level subject or CCA R4: Any 'O' Level subject or CCA
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### Entry Requirements For Polytechnics

ELR2B2, i.e. English Language (EL) + 2 Relevant Subjects (R2) + 2 other Best Subjects (B2) excluding co-curricular activities (CCA).

Course Group	ELR2B2-A	ELR2B2-B	ELR2B2-C	ELR2B2-D
<b>EL</b>	English			
<b>R2</b>	1 <sup>st</sup> Group of Relevant Subjects	Elementary Mathematics Additional Mathematics		
	2 <sup>nd</sup> Group of Relevant Subjects	Art Design & Technology Combined Humanities Geography History Literature in English Principles of Accounts	Art Combined Humanities Geography History Literature in English Principles of Accounts	Biology Chemistry Design & Technology Food & Nutrition Physics Science (C/B) Science (P/C)
<b>B2</b>	Best 2 other subjects excluding CCA			

#### For more information on other Institutions:

LASALLE	<a href="http://www.lasalle.edu.sg">www.lasalle.edu.sg</a>
Nanyang Academy of Fine Arts	<a href="http://www.nafa.edu.sg">www.nafa.edu.sg</a>
ITE Institute of Technical Education : Higher <a href="http://www.nitec.edu.sg">National ITE Certificate (Higher Nitec)</a>	<a href="http://www.ite.edu.sg">www.ite.edu.sg</a>
SHATEC : The Singapore International Hotel and Tourism College	<a href="http://www.sha.org.sg">www.sha.org.sg</a>
CITI : Construction Industry Training Institute	<a href="http://www.bca.gov.sg/citi/">www.bca.gov.sg/citi/</a>





# PEIRCE SECONDARY SCHOOL

## SUBJECT OPTIONS EXERCISE WORKSHEET

Secondary 3 (2021) Normal (Academic)

NAME	SAMPLE	INDEX		CLASS (2020)
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### Eligibility to Opt for Subject Combinations

There are eligibility criteria and condition, which are applied to individual subjects within certain offered combinations. The table below summarizes the criteria used as well as accompanying condition to determine if a subject combination is available during the subject options exercise.

**Note:** *The final allocated combination is based on merit and subject to resource availability.*

S/N	Subject / Subject-Combination (Sec 3)	Criteria (Sec 2 Overall Results)
1	GCE N-Level Additional Mathematics	Grade 2 or better in Mathematics <b>AND</b> to be offered together with GCE O-Level Mathematics

**\*Students eligible for out-of-stream subjects will be given a separate form.**

### Personalized Subject Combination Matrix

Based on the criteria listed above, the subject combinations which you are eligible to opt for during the online subject options exercise is found in the matrix below. Before entering your choices into the subject options system, do use this matrix to discuss with your parents on the order of choice based on your strengths and interest. Please ensure that the choices made in this worksheet are transferred **accurately** as final subject options results will be made based on the information entered online.

Code	Subjects	No. of subjects	p	b	g	h	A	D	F	T	M	Choice (1/2/3/4/5)
			Combined Science (Physics/Chemistry)	Combined Science (Biology/Chemistry)	Combine Humanities (Geography Elective)	Combine Humanities (History Elective)	Art	Design and Tech.	Food and Nutrition	Principles of Accounts	Additional Math (N level) with Math (O Level)	
NA01	6pgA	6	p		g		A					
NA02	6pgD	6	p		g			D				
NA03	6pgF	6	p		g				F			
NA04	6pgT	6	p		g					T		
NA05	6phA	6	p			h	A					
NA06	6phD	6	p			h		D				
NA07	6phF	6	p			h			F			
NA08	6phT	6	p			h				T		
NA09	6pgA	6	p		g		A					
NA10	6pgD	6	p		g			D				
NA11	6pgF	6	p		g				F			
NA12	6pgT	6	p		g					T		
NA13	6phA	6	p			h	A					
NA14	6phD	6	p			h		D				
NA15	6phF	6	p			h			F			
NA16	6phT	6	p			h				T		
NA17	6bgA	6		b	g		A					
NA18	6bgD	6		b	g			D				
NA19	6bgF	6		b	g				F			
NA20	6bgT	6		b	g					T		
NA21	6bhA	6		b		h	A					
NA22	6bhD	6		b		h		D				
NA23	6bhF	6		b		h			F			
NA24	6bhT	6		b		h				T		
NA25	6bgA	6		b	g		A					
NA26	6bgD	6		b	g			D				
NA27	6bgF	6		b	g				F			
NA28	6bgT	6		b	g					T		

Code	Subjects	No. of subjects	p	b	g	h	A	D	F	T	M	Choice (1/2/3/4/5)
			Combined Science (Physics/ Chemistry)	Combined Science (Biology/ Chemistry)	Combine Humanities (Geography Elective)	Combine Humanities (History Elective)	Art	Design and Tech.	Food and Nutrition	Principles of Accounts	Additional Math (N level) with Math (O Level)	
NA29	6bhA	6		b		h	A					
NA30	6bhD	6		b		h		D				
NA31	6bhF	6		b		h			F			
NA32	6bhT	6		b		h				T		
Options below need a Grade 2 or better in Maths <b>AND</b> to be offered together with GCE O- levels in Maths.												
NB01	6pgA	6	p		g		A					
NB02	6pgD	6	p		g			D				
NB03	6pgF	6	p		g				F			
NB04	6pgT	6	p		g					T		
NB05	6pgM	6	p		g						M	
NB06	6phA	6	p			h	A					
NB07	6phD	6	p			h		D				
NB08	6phF	6	p			h			F			
NB09	6phT	6	p			h				T		
NB10	6phM	6	p			h					M	
NB11	6pgA	6	p		g		A					
NB12	6pgD	6	p		g			D				
NB13	6pgF	6	p		g				F			
NB14	6pgT	6	p		g					T		
NB15	6pgM	6	p		g						M	
NB16	6phA	6	p			h	A					
NB17	6phD	6	p			h		D				
NB18	6phF	6	p			h			F			
NB19	6phT	6	p			h				T		
NB20	6phM	6	p			h					M	
NB21	6bgA	6		b	g		A					
NB22	6bgD	6		b	g			D				
NB23	6bgF	6		b	g				F			
NB24	6bgT	6		b	g					T		
NB25	6bgM	6		b	g						M	
NB26	6bhA	6		b		h	A					
NB27	6bhD	6		b		h		D				
NB28	6bhF	6		b		h			F			
NB29	6bhT	6		b		h				T		
NB30	6bhM	6		b		h					M	
NB31	6bgA	6		b	g		A					
NB32	6bgD	6		b	g			D				
NB33	6bgF	6		b	g				F			
NB34	6bgT	6		b	g					T		
NB35	6bgM	6		b	g						M	
NB36	6bhA	6		b		h	A					
NB37	6bhD	6		b		h		D				
NB38	6bhF	6		b		h			F			
NB39	6bhT	6		b		h				T		
NB40	6bhM	6		b		h					M	