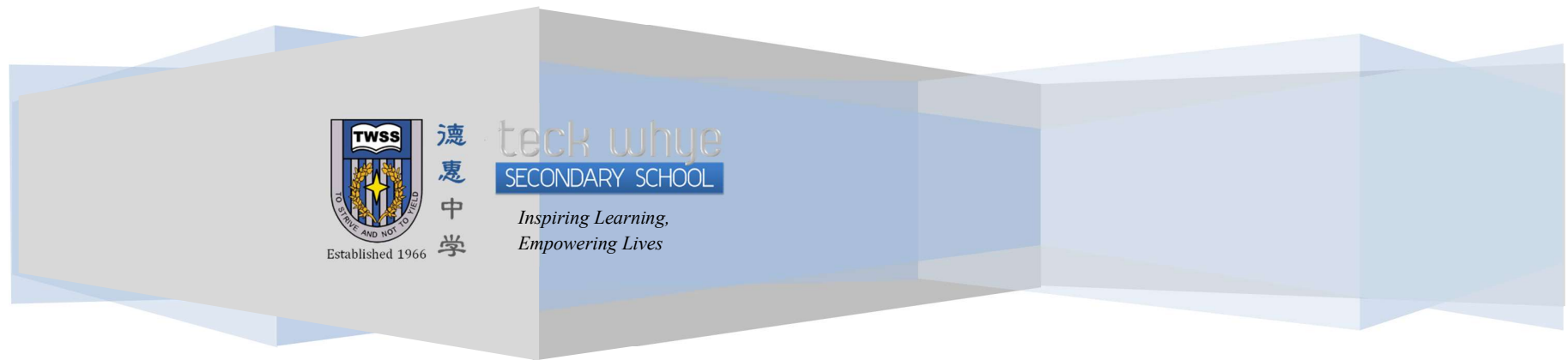


Information on Subject Option

For 2022 Secondary Two Normal Technical



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Subject Option Exercise

Offering our students a broad-based subject combination will provide them with a wide range of choices for post-secondary education.

Subjects are allocated based on the following –

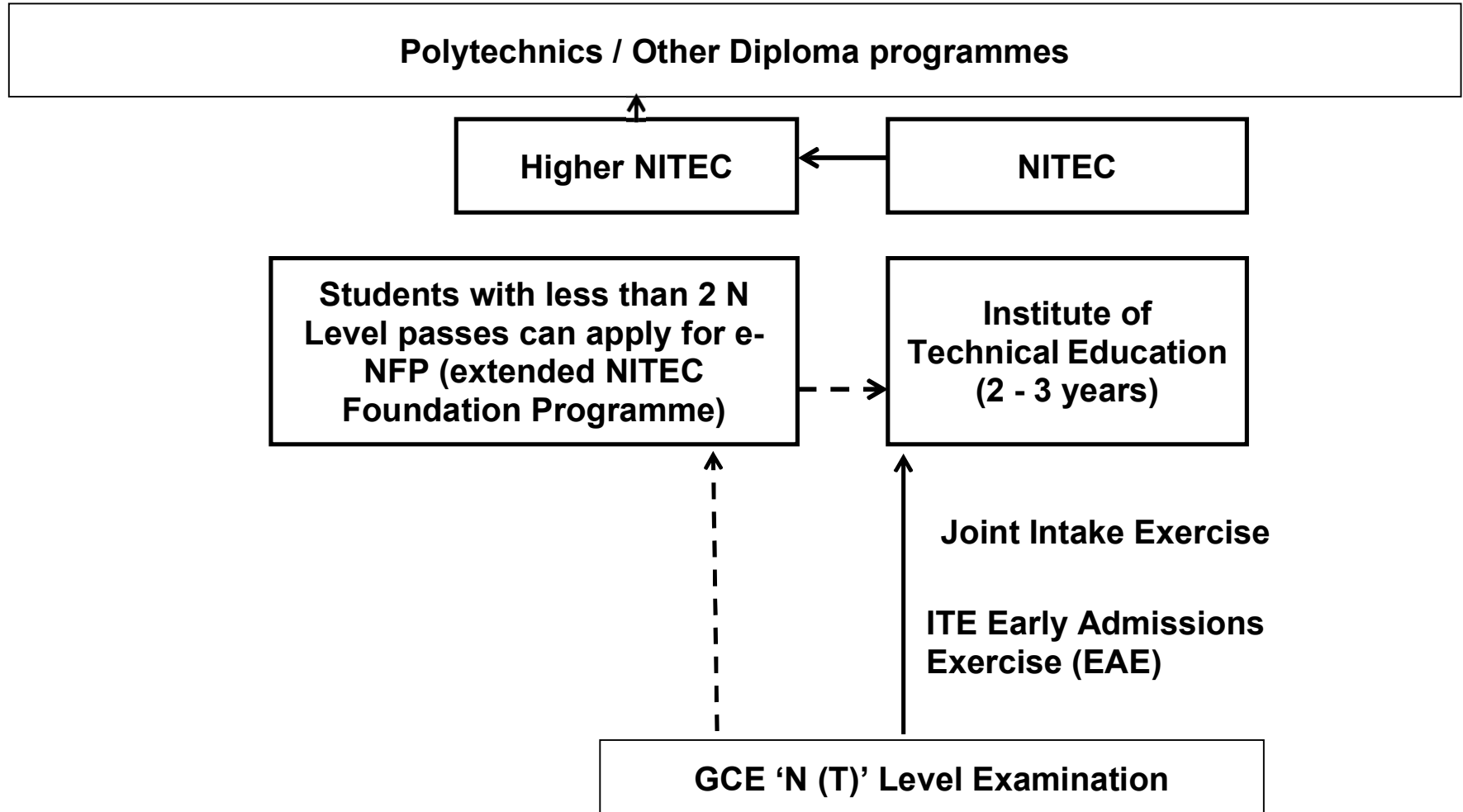
- a. **Merit** (Students' overall academic performance and general subject proficiencies);
- b. **Choice** (As indicated by students during the subject option exercise); and
- c. **Resources** (Availability of teachers and minimum number of students for a subject group).

Overall academic performance refers to the performance of students throughout the year. i.e., WA1, WA2 and SA

WA1 (Term 1)	WA2 (Term 2)	WA3 (Term 3)	SA (Term 4)	TOTAL
15%	15%	15%	55%	100%

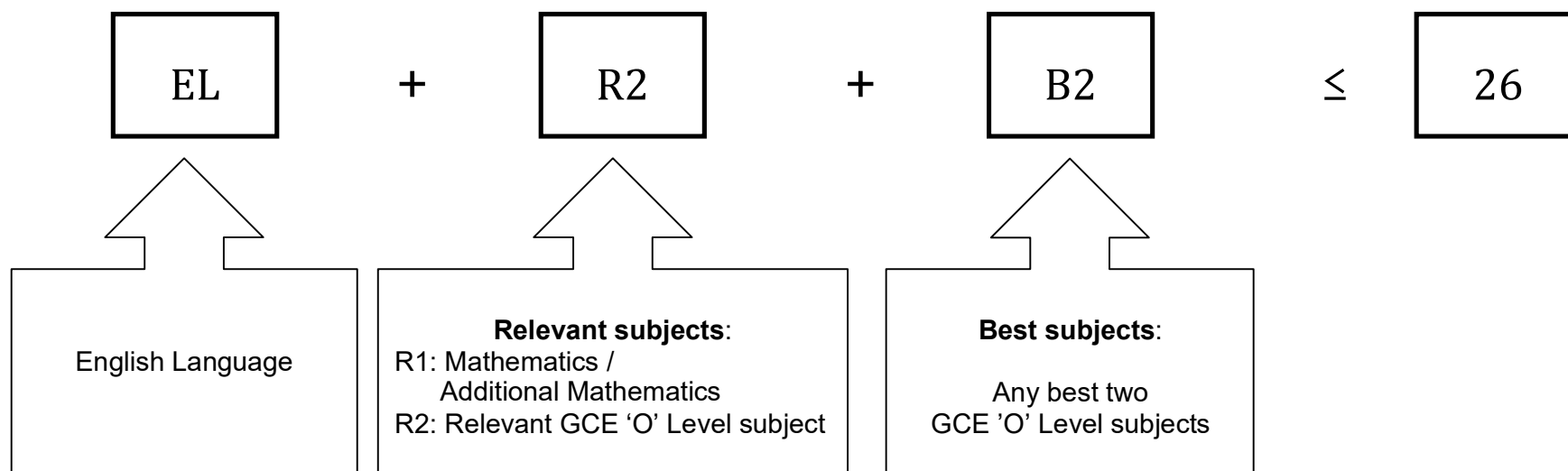
Students are advised to put in consistent effort throughout the year. In the event that students are not offered their first choice, the school will consider the subsequent choices opted by the student. Therefore, it is important that students rank their choices carefully and in consultation with their parent(s) / guardian(s).

Post-Secondary Education Landscape (NT)



Admission Criteria to Polytechnics

To be eligible for consideration to the various courses in the polytechnics, students must obtain 26 points or better for the net ELR2B2 aggregate score and meet the minimum requirements for the various courses. Different courses in different polytechnics require different aggregate scores and the scores vary from year to year.



Admission to ITEs

Different ITE courses have different cut-off points and admission is based on students' aggregate scores (based on four subjects) and availability of vacancies.

The indicative cut-off points for 2022 ITE intake are provided in the website - https://www.ite.edu.sg/docs/default-source/full-time-intake-pages-content/full-time-intake-exercises/jien/jien-2022-intake-entry-requirements.pdf?sfvrsn=29522a54_12

Timeline for Subject Option Exercise

Term	Activities
1-2	<ul style="list-style-type: none"> • Sec 2 Parent Engagement Session <ul style="list-style-type: none"> ✓ Subject Combinations • Sec 2 Subject Combination Briefing 1 (for students) <ul style="list-style-type: none"> ✓ Education and Career Guidance Support ✓ Subject-specific Briefing** ✓ Issue of Information on Subject Option • ECG CCE Lessons & Cohort Talks <ul style="list-style-type: none"> ✓ Understanding the Post-Secondary Education Landscape ✓ Identifying Own Strengths, Interests and Skills ✓ Exploring Career Options based on Interests and Strengths ✓ Identifying the Influencing Factors on Career Choices ✓ Choosing Career Options
3	<ul style="list-style-type: none"> • Sec 2 Subject Combination Trial Poll (for students) • ECG CCE Lesson <ul style="list-style-type: none"> ✓ Class Talk by ECG Counsellor on Choosing Subject Combinations ✓ SLS Lesson on Choosing Subject Combinations (self-directed) ✓ 1-1 ECG Counselling with ECG Counsellor (sign-up basis)
4	<ul style="list-style-type: none"> • Sec 2 Subject Combination Briefing 2 <ul style="list-style-type: none"> ✓ Briefing on Subject Combinations Preference Exercise • Subject Option Exercise <ul style="list-style-type: none"> ✓ Subject Combinations Preference Exercise ✓ Results of Subject Option and Class Allocation

** These include new subjects/ electives such as Pure Sciences, Add Math, Humanities, POA, EBS, Art/DT/NFS, Mobile Robotics, etc.

SCIENCE SYLLABUS T (5148)	
Link to Syllabus	https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/nlevel/2023syllabus/5148_y23_sy.pdf
Description	<p>Science Syllabus T aims to give students the experience of doing hands-on science and, at the same time, provide a broad educational basis for further training in a technical context. As such, the new syllabus provides a wide coverage of basic science knowledge that is relevant to the ITE courses. Throughout the syllabus, the emphasis is on the applications of science and technology and how to relate the commonly observed natural phenomenon to their daily experiences.</p> <p>The contexts are presented in three core modules:</p> <ol style="list-style-type: none"> (1) Gadget Work Wonders (II) (2) Food Matters (3) Wonders of my Body (II) <p>This combination is suitable for pupils who intend to pursue courses related to engineering, bio-technology, life science and nursing courses in the Institute of Technical Education (ITE).</p>
Outcomes	<p>The Science curriculum enables students to:</p> <ul style="list-style-type: none"> • gain knowledge with understanding for applications in their daily lives and develop abilities and skills which would be relevant and useful in the work place • raise awareness in terms of impact of Science and technology on society, industry and business.
Assessment Format	<p>Paper 1 (Multiple Choice)</p> <ul style="list-style-type: none"> - 40 marks (40%) - 1 hour <p>Paper 2 (Structured)</p> <ul style="list-style-type: none"> - 60 marks (60%) - 1 hourr 15 minutes
Prerequisites	Students should do well in and display an aptitude in Lower Secondary Science and Mathematics.
Contact	<p>Mr Alwin Njoo, SSD & covering HOD Science</p> <p>E-mail: njoo_kiat_guan_alwin@schools.gov.sg</p> <p>Tel: 6769 1386</p>

ELEMENTS OF BUSINESS SKILLS (NT) (7066)	
Link to Syllabus	https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/nlevel/2022syllabus/7066_y22_sy.pdf
Description	<p>The EBS syllabus aims to equip students with the basic knowledge, skills and values relevant for the new developments in the services sector. The focus is on the development of a range of knowledge and core skills in business and enterprise with particular emphasis on retail, travel and tourism, and hospitality industries. The syllabus also focuses on the basic concepts and practices in areas of marketing and customer relations.</p> <p>The syllabus provides students with the foundation for further studies at institutes of higher learning.</p>
Outcomes	The study of Elements of Business Skills (EBS) provides opportunities to infuse economic and financial literacy in the general understanding of the business environment and for personal effectiveness. The syllabus will also provide opportunities for the students to develop social emotional competencies in social awareness, relationship management and decision-making.
Assessment Format	<p>Paper 1 (Written)</p> <ul style="list-style-type: none"> - 100 marks (60%) - 1 hour 30 minutes <p>Paper 2 (Coursework)</p> <ul style="list-style-type: none"> - 80 marks (40%) - 20 hours (over 10 to 14 weeks)
Prerequisites	Students should do well in and display an aptitude in English.
Contact	<p>Mr Tan Wee Liat, HOD Information & Communication Technology</p> <p>E-mail: tan_wee_liat@schools.gov.sg</p> <p>Tel: 6769 1386</p>

DESIGN & TECHNOLOGY (NT) (7062)	
Link to Syllabus	https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/nlevel/2023syllabus/7062_y23_sy.pdf
Description	<p>The D&T curriculum is designed to emphasise development of 3 key traits in our students:</p> <ul style="list-style-type: none"> • Creative Imagination • Logical Analysis • Aesthetically Inclined <p>The curriculum emphasises designing involving research, reasoned application of knowledge and skills.</p>
Outcomes	<p>D&T aims to:</p> <ul style="list-style-type: none"> • develop confidence, pride and tenacity through exploring real-world design opportunities for which ideas are developed • develop the quality of mindfulness, empathy and sensitivity through improving aspects of their environment in everyday life • embrace complexities, uncertainties and the inherent social dimension of the design process when exploring design opportunity vis-à-vis design ideas • cultivate thinking through doodling and sketching/drawing • experiment and prototype ideas using appropriate materials and tools • build on their innate curiosity and ability to create • exercise judgements
Assessment Format	<p>Paper 1 (Written)</p> <ul style="list-style-type: none"> - 50 marks (30%) - 1 hour <p>Paper 2 (Coursework)</p> <ul style="list-style-type: none"> - 70 marks (70%) - 20 weeks
Prerequisites	Students should preferably do well, have a keen interest in design and technology, and is able to demonstrate consistent work over a sustained period of time.
Contact	<p>Mr Davis Huang huang_yaonan@schools.gov.sg Tel: 6769 1386</p>

ART SYLLABUS T (6128)	
Link to Syllabus	https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/nlevel/2023syllabus/6128_y23_sy.pdf
Description	The Art curriculum is designed to provide students with the opportunity to give form and meaning to their ideas, thoughts and feelings through visual and tactile forms. The breadth and depth of study cater to a range of abilities and interests. The process of art making involving the use of a variety of media and technologies, as well as its role in the development of critical and creative thinking, continue to be maintained. Visual literacy skills such as perceiving and responding to visual images, and analysis of visual information in its many forms are further enhanced and developed in this syllabus.
Outcomes	Art enables students to: <ul style="list-style-type: none"> • nurture an informed awareness and appreciation of the visual arts; • enhance ability to identify and solve problems creatively in visual and tactile forms; • develop competency in the use of art and design principles, materials and processes; • foster self-confidence and a sense of achievement through the practice of the visual arts; • cultivate an inquiring mind, a spirit of experimentation and a passion for the visual arts.
Assessment Format	Paper 1 (Art Task) <ul style="list-style-type: none"> - 100 marks (40%) - over a period of 5 weeks (Preparatory work) - 3 hours (Final paper) Paper 2 (Portfolio) <ul style="list-style-type: none"> - 100 marks (60%) - To submit two works which consists of one Fine Art submission and one Design submission - Submission is in the month of May of the examination year
Prerequisites	Students should do well and have a keen interest in Art.
Contact	Mr Davis Huang huang_yaonan@schools.gov.sg Tel: 6769 1386

MOBILE ROBOTICS (NT) (A101)	
Link to Syllabus	https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/nlevel/2023syllabus/A101_y23_sy.pdf
Description	This is a Normal (Technical) examination syllabus for a 2-year course in Mobile Robotics undertaken at upper secondary. The syllabus aims to provide students with the experience of developing their own mobile robots and at the same time provide a foundation to further their studies in mechatronics engineering or related fields. The syllabus covers basic knowledge and skills in electricity, electronics, mechanical design and intelligent control that are relevant to technical courses at post-secondary level. It emphasizes the application and integration of technical knowledge and skills to design and build mobile robots for the performance of specified tasks.
Outcomes	<p>The syllabus aims to:</p> <ul style="list-style-type: none"> • enable students to develop capabilities and skills for problem-solving and critical thinking; • provide opportunities for students to apply and refine design approaches towards a viable solution; • stimulate curiosity and interest in technology through design and build activities; • promote an awareness of: <ul style="list-style-type: none"> • the impact of technology on society, industry, business, home and leisure; as well as • the changing and progressive nature of technology. • enable students to acquire knowledge and skills in preparation for post-secondary technical courses; and • inculcate in students safety consciousness and safe working habits.
Assessment Format	<p>Paper 1 (Written) - 30 marks (30%), - 1 hour</p> <p>Paper 2 (Practical) - 42 marks (30%) - 1 hour 30 minutes - Taken at the end of Sec 3 year of study</p> <p>Paper 3 (Practical) - 80 marks (40%) - 2 hours</p>

MOBILE ROBOTICS (NT) (A101)	
Prerequisites	<ul style="list-style-type: none"> • enjoy learning through hands-on experience • are interested and do well in Maths and Science • like to assemble or make things • like to challenge yourself to do tasks that are unique and out-of-the ordinary
Contact	<p>Mr Tan Wee Liat, HOD Information & Communication Technology E-mail: tan_wee_liat@schools.gov.sg Tel: 6769 1386</p>

Administrative Matters

1. For more information on the various GCE 'O' Level subjects please visit the Singapore Assessment and Examination Board (SEAB) Website - <http://www.seab.gov.sg/>
2. For any queries with regards the matters pertaining to Secondary Two, please contact Assistant Year Head (Lower Secondary)
 - Mrs Ada Ong (Email – sheu_cifang@schools.gov.sg), Ext 822
3. Should there be any queries regarding subject options exercise, please contact the following Key Personnel:
 - a. Mdm Azwiza Ahmad (Email – azwiza_ahmad@schools.gov.sg), Ext 623
 - b. Mdm Aw Soo Bing (Email – aw_soo_bing@schools.gov.sg), Ext 629
 - c. Mr Yusman Ithnin (Email – yusman_b_ithnin@schools.gov.sg), Ext 885

Educational and Career Guidance (ECG) Resources

1. **MOE Post-Secondary Site** [<https://www.moe.gov.sg/post-secondary>]
This is the official MOE website that covers the different areas of post-secondary education. Students can also use the pathway options checker to learn more about the different pathways.
2. **My Skillsfuture Portal (Sec)** [<https://www.myskillsfuture.gov.sg/content/student/en/secondary.html>]
This one-stop portal provides various resources and profiling tools to help students discover more about themselves and different post-secondary options. Students can tap on the rich information in the portal to make informed education and career decisions.
3. **1-1 ECG Counselling Booking of Appointment Form** [<https://go.gov.sg/chatwithmsfung>]
Students can book appointments for 1-1 ECG counselling with Ms Rosetta Fung, our ECG counsellor who will guide students to discover more about themselves and decide on suitable subject combinations or post-secondary pathways.