



# Supporting Your Child's ECG Journey

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Education & Career Guidance





# Objectives



01

**Changing World of Work**

02

**Evolving Education Landscape**

03

**Supporting your Child's ECG Journey (Subject Combination Selection)**



Source : <https://www.weforum.org/agenda/2016/01/the-fourth-industrial-revolution-what-it-means-and-how-to-respond/>

Credit : Illustration by Storyset

# Changing of World of Work - What is the 4<sup>th</sup> Industrial Revolution?



How this impact  
our child in  
school?

Source : <https://www.youtube.com/watch?v=Ko2esJeGsrI>

# Top 10 Job Skills of Tomorrow



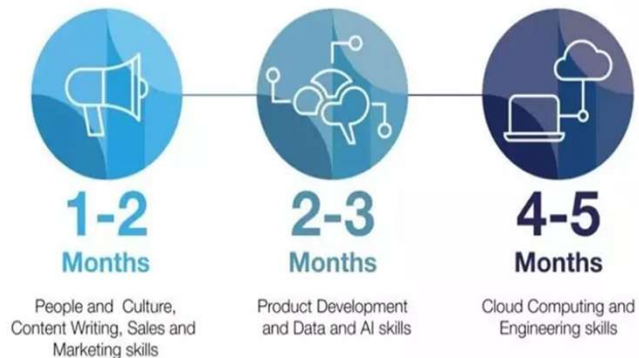
## Top 10 skills of 2025

- Type of skill
- Problem-solving
  - Self-management
  - Working with people
  - Technology use and development

- Analytical thinking and innovation
- Active learning and learning strategies
- Complex problem-solving
- Critical thinking and analysis
- Creativity, originality and initiative
- Leadership and social influence
- Technology use, monitoring and control
- Technology design and programming
- Resilience, stress tolerance and flexibility
- Reasoning, problem-solving and ideation

Source: Future of Jobs Report 2020, World Economic Forum.

## Time needed to start building new skills online in jobs of tomorrow



Source: Coursera data produced for the Future of Jobs Report, World Economic Forum. Presents the days of learning needed for the average worker to gain the level of mastery through Coursera learning.

Source: <https://www.weforum.org/agenda/2020/10/top-10-work-skills-of-tomorrow-how-long-it-takes-to-learn-them/>  
<https://youtu.be/eH1fDjzJAw>

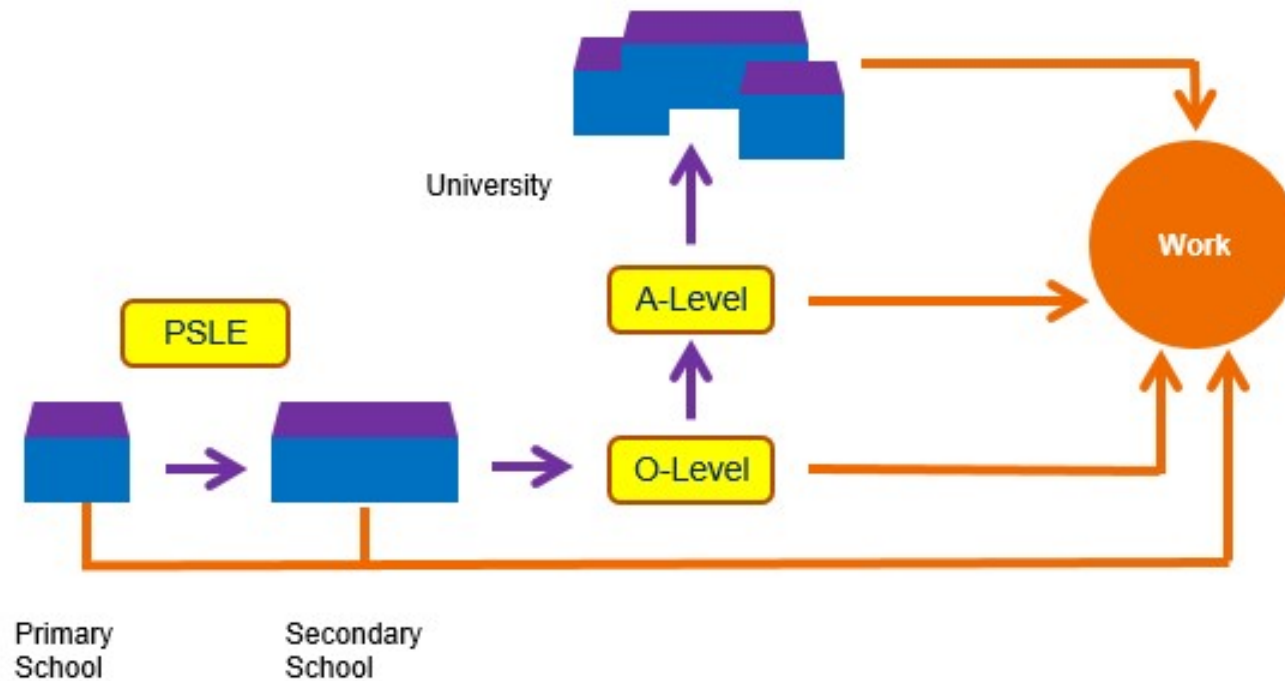


# Changing Education Landscape

Credit : Image from Canva

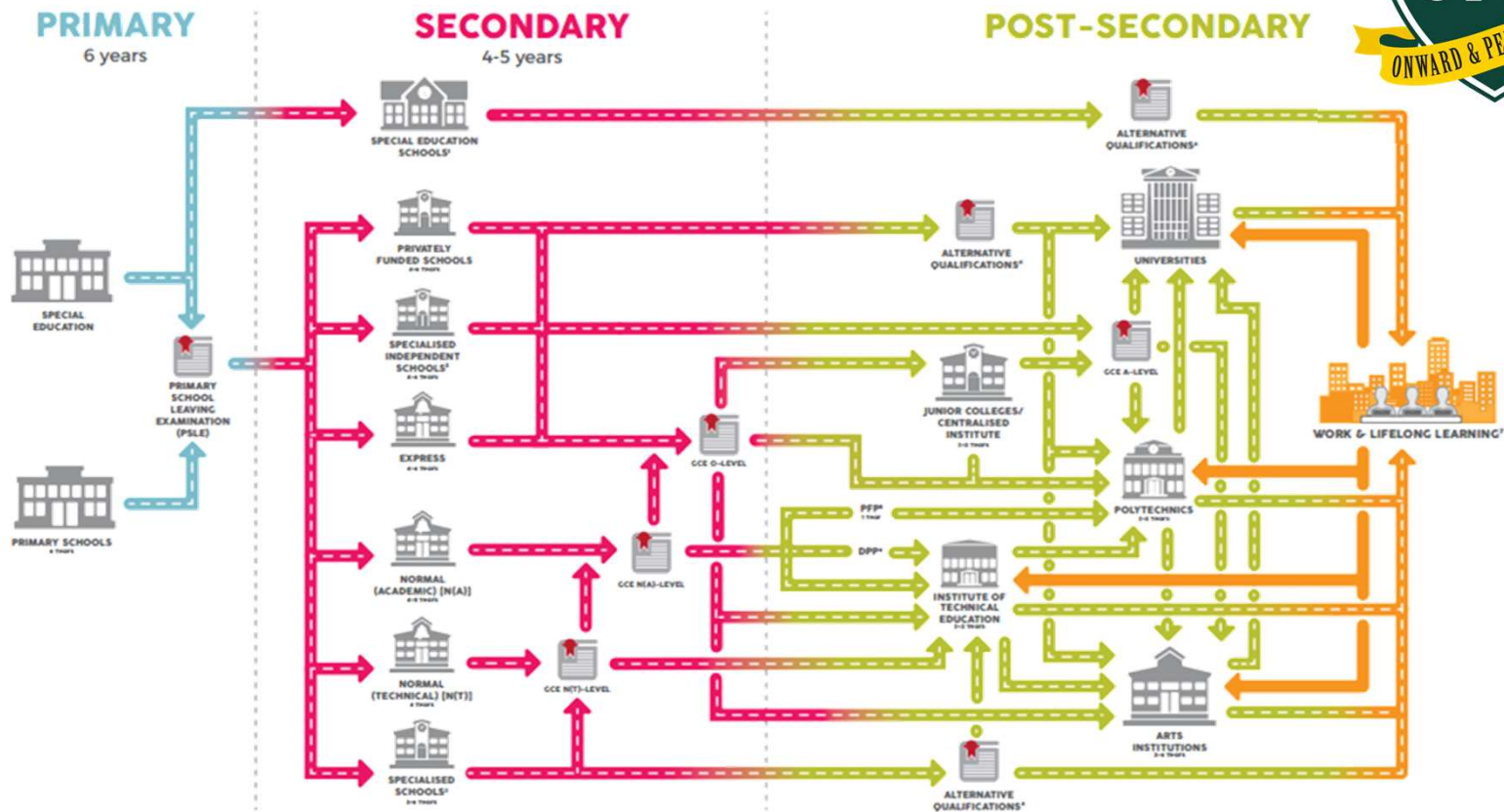
# EDUCATION LANDSCAPE HAS CHANGED

Education Pathway Then **Was** Simple



# EDUCATION LANDSCAPE HAS CHANGED


## Education Pathways Now Are Multiple





# Some Changes in the Education Landscape



Revised PSLE Scoring System	Full Subject-Based Banding	Post-Secondary Landscape	IHL Landscape
<p>New Achievement Levels scoring system</p>  <p><b>*IHL</b> : Institute of Higher Learning <b>^CEP</b> : Common Entry Programme</p>	<p>Implementation of Full Subject-Based Banding in all Secondary Schools by 2024</p>	<p>Expanding CEP<sup>^</sup> offerings by Polytechnics</p> <p>New ITE curriculum from 2022; shortened route to Higher Nitec</p> <p>Offering of ITE Work-Study Diplomas</p> <p>Shorter Polytechnic Diplomas for A-Level Students</p>	<p>Launch of NUS College of Humanities and Sciences in 2020</p> <p>Establishing New University of the Arts</p> <p>Expanding Aptitude-Based Admissions at Autonomous Universities</p>





# Supporting Our Child's ECG Journey



Credit : Image from Microsoft 365

# The 3 ECG Questions to Guide Our Child



**WHO?**  
Who am I?



**HOW?**  
How do I get there?

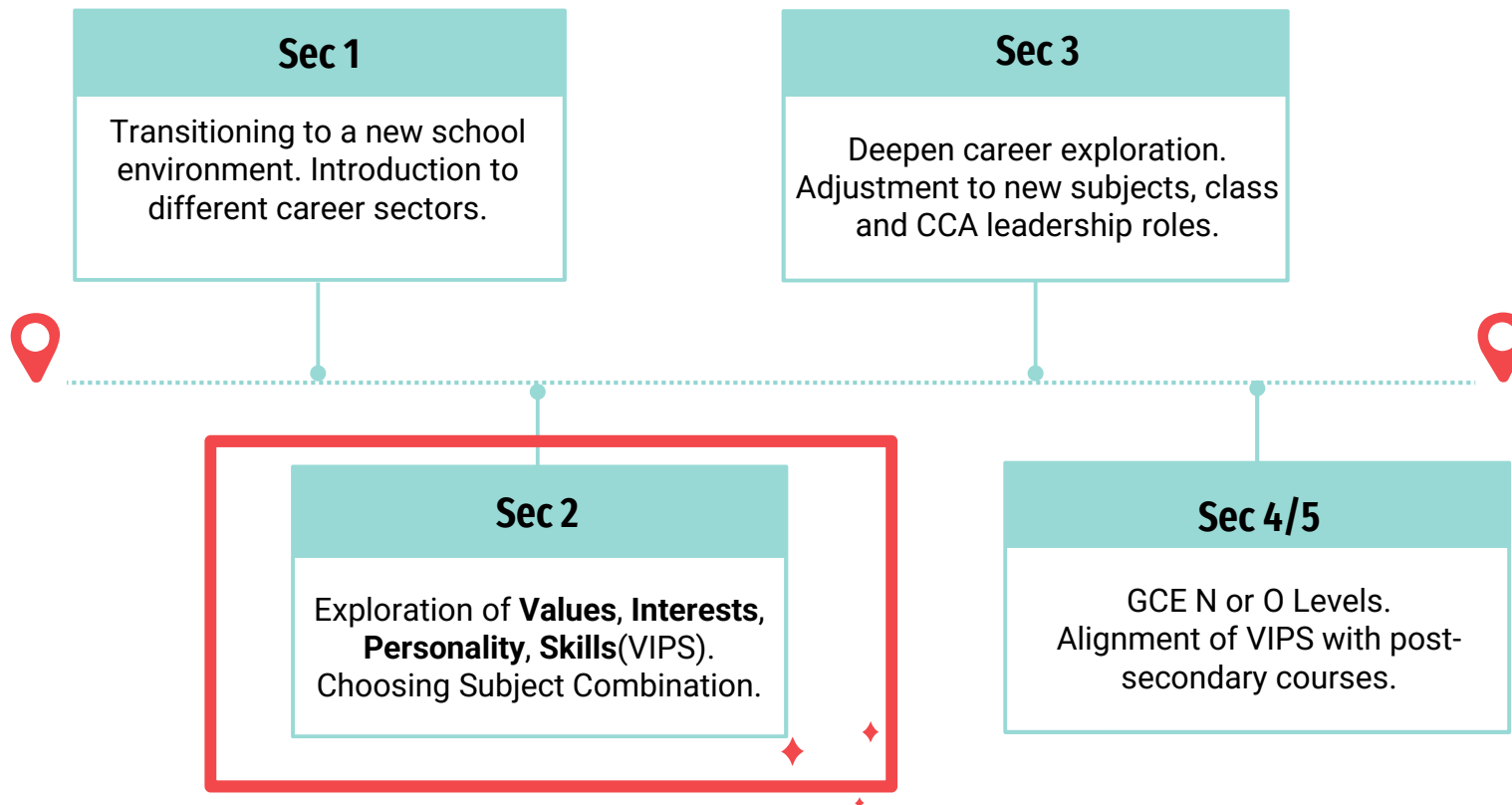


**WHERE?**  
Where do I want to go?

# Our Child's ECG Journey



Discovering purpose, adopting a lifelong learning dispositions and mindsets.



# Questions Our Child May Have ...



## Subject Combination

Which Subject Combination should I take?



## I Don't Know

I don't know what I want to be yet, but I know I love Literature. How now?



## Education Pathways

Which Education Pathway should I choose?



## Career Aspiration

Do I know my career aspiration yet?



# Who am I?

Discovering Purpose



01

**Unique Individual**

02

**Values, Interests, Personality  
and Strength (VIPS)**

03

**Self Awareness**

# My SkillsFuture (Student Portal)

## Know Yourself

[go.gov.sg/mysfsec](https://go.gov.sg/mysfsec)

Discover more about your career interests, skills, work values, and learning styles. These tools are meant to facilitate self-awareness and exploration. You may use them as a guide to plan your education or career. Do speak to your parents, teachers and Education and Career Guidance counsellors if you need further advice.



Credit : Image from [go.gov.sg/mysfsec](https://go.gov.sg/mysfsec)

# Who am I?

Discovering Purpose



<b>Support them as they discover their VIPS</b>	<b>Encourage Reflection on Experiences</b>	<b>Connect Experiences</b>
<p>What is important to you? What motivates you?</p> <p>What are the issues you feel strongly about?</p> <p><b>What do you enjoy doing?</b></p> <p>How would you describe yourself? How do others describe you?</p> <p>What are your strengths? What have people praised you for?</p>	<p>What do you do in...?</p> <p><b>What do you like / dislike about...?</b></p> <p>How do you feel when...?</p> <p>What did you learn about...?</p> <p>What did you discover about yourself through...?</p>	<p><b>What have you learned in &lt;Subject&gt; that will be useful for &lt;Jobs you like&gt;?</b></p> <p>Is this an ability / skill / interest you want to develop further?</p> <p>Would you like to do something like that in your future job? Why?</p>



# Where Do I Want to Go?




Designer?  
Physiotherapist?  
Programmer?  
Urban Farmer?

**Which Occupation I am interested to find out more?**



Creating new AI?  
Improve Mental Health?  
Improve Sustainability?  
Distribute Wealth?

**Sense of Purpose / Challenge**



Pure Science/C. Science  
DNT, Art, NFS  
POA, A Math  
EBS\*, Music\*

**Which subjects should I choose?**

# Where do I want to go – Supporting our child in exploring their VIPS/and choosing Subject Combination\*



## N(A) Level Students

### Subject 1, 2, 4 (Compulsory)

- English
- Mother Tongue
- Mathematics

### Subject 3, 5, 6 (choose 1 each)

- Subject 3: Combined Humanities (SS & Geo or SS & Hist)
- Subject 5: Sci(Chem/Bio), Sci(Chem/Phy)
- Subject : Additional Mathematics, Art, D&T, Art, Nutrition and Food Science or Principles of Accounts

## Supporting your child in choosing subject combination: Post-Sec Admission Pathways

	ITE EAE	JIE 'N' (2-year Nitec/ 3-year Higher Nitec)^	JIE 'H' DPP (2-year Higher Nitec)^	PFP (1-year foundation + 3-year Dip)^
Who can apply?	N-Level students		N(A)-Level students	
Aggregate Type/ Remarks	<b>Minimum Entry Requirement (MER)</b> i.e. pass English, Math or Science with 1 or 2 subjects	ITE Aggregate of 4 subjects including the required subject for the course <i>i.e. 3-year higher nitec in Accounting is at 3 points at ITE College Central</i>  <b>Scenario:</b> Students has gotten <b>Grade 2 for all 4 NA subjects</b> and <b>1 CCA bonus point. Achieved 3 Net ITE Aggregate point</b>  MER: English and 2 others passes	ELMAB3 ≤19 (5 sub)	ELMAB3 ≤12 (5 subjects)

## Extract from ITE Booklet for AY2023

3-Year <i>Higher Nitec</i> Courses by School	Course Code	College Code	2022 JIE 'N' ITE Aggregate Point (based on <u>4 subjects</u> )	Minimum Entry Requirements
<b>BUSINESS &amp; SERVICES</b>				
<b>Accounting</b> ⑦	HF3AC	CC-AM	3	3 GCE 'N' Passes (Grade A-D or Grade 1-5) in English Language and two other subjects <b>Or</b> 2 GCE 'O' Grades (Grade 1-8) in any two subjects
		CE-SM	5	
		CW-CK	4	
<b>Sport Management</b> ①⑦ <i>Applicants should possess a strong interest for sports, good communication skills and a service mindset. Shortlisted applicants have to attend an interview on-campus scheduled on Tue 27 Dec 2022 or Wed 28 Dec 2022 and pass a prescribed medical examination.</i>	HF3SM	CC-AM	6	
		CE-SM	13	
		CW-CK	9	
<b>ELECTRONICS &amp; INFO-COMM TECHNOLOGY</b>				

# Scenario (NA Student) :

## Student has gotten Grade 2 for all 4 NA subjects and 1 CCA bonus point. Achieved 3 Net ITE Aggregate point

All NA Subjects graded at 2

Converted to ITE Agg Point = 1

4 Subjects including English and 2 passes =  $1*4 = 4$  (raw)

Bonus point for CCA=1

Net ITE Aggregate =  $4-1 = 3$

### Normal (Academic) Subjects

The computation of ITE aggregate points for Normal (Academic) subject grades for merit-based ranking for admission to full-time 3-year *Higher Nitec* and 2-year *Nitec* courses, is shown in the table below:

#### Computation of ITE Aggregate Points for Normal (Academic) Subjects

Normal (Academic) Grade	ITE Aggregate Points
1, 2	1
3	2
4	3
5	4
U	5

# Where Do I Want to Go?



## Start exploring areas of Interests

Which would be your top 3 aspirations? Why did you choose these?

Are there others you have in mind?

Resources:  
My Skillsfuture World of Work

On My Way by National Youth Council

## Prompt them to think Beyond

What do you want from this career?

What are the things important to you in a job?

What would be some other jobs related to this role / industry?

How can you find more information?

## Let your Child be the Expert

That's a job I don't know much about, could you tell me more what it does?

How's the job prospect like?  
Could we find out and discuss more next time?

What does this course offer?  
What will you be learning / experiencing?


# My SkillsFuture (Student Portal) World of Work



## World of Work

Explore different job roles in different industries. A good understanding of the work requirements and environment can help you make better decisions.


[Discover Now](#)



### Singapore Industry Landscape

Learn about the background, outlook and working environment of different industries, and the skills needed to work in each of these industries.

[Find Out More](#)



### Job Information

Get insights into different job roles and the contribution to each industry in Singapore.

[Find Out More](#)

MySkillsFuture About Know Yourself World of Work Education Guide Help Feedback Logout

Overview My Profile My ePortfolio My Goals Prepare for Work Notifications Settings

## Singapore Industry Landscape

Select Industry

- Accountancy
- Advertising
- Aerospace
- Agriculture
- Air Transport
- Architecture
- Arts, Entertainment and Recreation
- Biopharmaceuticals Manufacturing
- Built Environment
- Consultancy
- Creative Industries (Media)
- Design
- Early Childhood Care and Education
- Electronics
- Energy and Chemicals
- Environmental Services
- Finance
- Food Services
- Healthcare
- Hotel and Accommodation Services
- Human Resource
- Information and Communications Technology
- Insurance
- Landscape
- Legal
- Logistics
- Marine and Offshore Engineering
- Precision Engineering
- Public Service (Education)
- Public Transport
- Real Estate
- Retail
- Sea Transport
- Security
- Social Services
- Spa Services
- Wholesale Trade

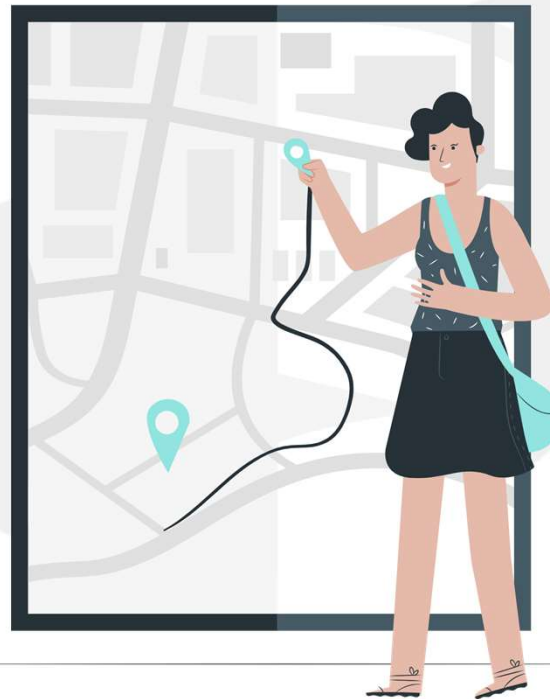
View All Articles View All Videos

Click on any of the icons to find out more about the industry.





# How Do I Get There?



**Information to Gather**

**Points to Consider**

**Actions to Take**

Credit : Illustration by Storyset

# How do I Get There?



## Get your child to be responsible for their own plan

Which courses / qualifications do you think will lead you to this job?

Are there any prerequisites subjects / minimum entry requirements to apply to these courses?

What steps can you take to work towards your goal?

How can you better prepare yourself for this course / job?

What are the possible ways/admissions to get to your course?

## Discuss with your child like they are adults

What 'game plan'/plan do you have in mind to work towards this course/career?

Are there ways you can experience what the job is like?

Are there practical constraints you may face?  
Eg. colour appreciation deficiency?



# Frequently Asked Questions

**ITE will not allow my child to join a university, he/she needs to aim to go to polytechnic via the polytechnic foundation programme.**

**Answer:**

Entrance to university is by merits of the latest achieved qualification and not determined by the education journey

**My Child needs to complete Higher Nitec in order to join a polytechnic diploma**

**Answer:**

Student who have done well and met the GPA requirement for polytechnic Diploma admission can apply after their Nitec Programme.

## Javen Francis Koh Wei Yang

**Nitec in Business Administration**  
**ITE College Central**



## Lifting Lives

Javen grew up in a family that is active in philanthropy. Inspired by his family, he developed a strong interest in serving the community from young. This led him to volunteer at Lions Befrienders, a charity that provides care for seniors. He also joined ITE College Central's Rotaract Club, where he organised and participated in various community service projects.

As President of the Rotaract Club, he would broaden volunteering opportunities for his peers by encouraging them to participate in Lions Befrienders' community service projects. In school, Javen also actively helped his peers in their studies. He started an after-school revision programme with some classmates, where they would mentor those who need help in their schoolwork.

### Guiding Light

*"Although I did well in secondary school, I felt that I was lacking opportunities for personal development back then. At ITE, I really enjoyed what I was studying, and I was able to pursue my passion in community service. I also had exceptional lecturers at ITE, who really made the effort to connect with us and care for our well-being. One of them is Mr Zaki Ng. I remember an occasion when I was feeling burnt out from my multiple commitments, and he was there to provide support and advice for me. That meant a lot to me."*

### After ITE

Javen is pursuing a Diploma in Maritime Business at Singapore Polytechnic.

### Top Achievements

- Distinguishing himself as an exemplary all-rounder, Javen was a recipient of the Lee Kuan Yew Model Student Award (2022).
- He was the champion of a speech competition organised by the Rotary Club.

## After ITE

Javen is pursuing a Diploma in Maritime Business at Singapore Polytechnic.



## Andy Pang Teng Seng

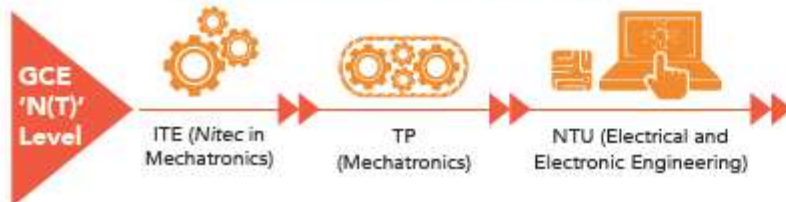
Grades were never a priority for Andy during his primary school days. Although he was channelled to the 'N(T)' stream, he slowly began to enjoy learning. This new-found joy propelled him to graduate as the top student for GCE 'N(T)' Level in his secondary school. He subsequently completed Nitec in Mechatronics with an impressive Grade Point Average (GPA) of 3.98. That set his path towards a Diploma in Mechatronics at Temasek Polytechnic (TP).



▶▶ As applied learning was his forte, Andy grew in confidence as he shared his knowledge by tutoring his peers and juniors who faced difficulties in school. Andy's performance improved steadily and his final year project won the merit award at the TP Engineering Roadshow.

Upon completion of his National Service (NS), Andy proceeded to pursue the same field through a degree in Nanyang Technological University (NTU) and eventually attained a Degree with Honours in Electrical and Electronic Engineering.

### Andy's Education and Career Pathway



*As applied learning was his forte, Andy grew in confidence as he shared his knowledge by tutoring his peers and juniors who faced difficulties in school.*

## Mariam Bte Muhammad Noor



Since she was young, Mariam's parents have inspired her to pursue all things in life with passion. Having a strong desire to serve people, Mariam has always been keen to explore the different sectors in the service industry.

Discussions on career and academic pathways pointed her to work in the hospitality sector. She was also advised to enrol in the Higher Nitec in Hospitality Operations course in 2013. The career guidance and experiences shared by her course lecturer further strengthened her interest in the hospitality sector and motivated her to excel in the course. An internship opportunity also provided an eye-opening and impactful experience. This affirmed her decision on her choice of course. She consistently excelled in her course and is currently pursuing a Diploma in Leisure and Events Management.

GCE 'N(A)' Level

GCE 'N(A)' Level

### Mariam's Education and Career Pathway



Courses be found

- ▶ Scho
- ▶ Scho
- ▶ Scho
- ▶ Desk

### Courses related to Hospitality and Events Management can be found in:

- ▶ School of Hospitality (ITE College West)
- ▶ School of Business Management (NYP)
- ▶ School of Hospitality (RP)



## Loh Hui Yi

Ever felt that others are smarter than you?



▶▶ That was how Hui Yi felt when she was young. But she also believed that hard work would allow her to be as good as her peers. She tasted success when she performed exceedingly well for her GCE 'N(A)' Level examination and gained admission into NYP through the Polytechnic Foundation Programme (PFP).

Hui Yi decided to undertake the Diploma in Biomedical Engineering course after speaking to her mother who helped assess her strengths and interests. Her mother's work experience as a nurse also helped her understand the biomedical engineering industry better. Initially, Hui Yi encountered difficulties in keeping pace with her coursework. This was compounded by her heavy commitment in dragon boating as well as her student leadership responsibilities. However, she eventually did well in her PFP and completed her first year with good results.

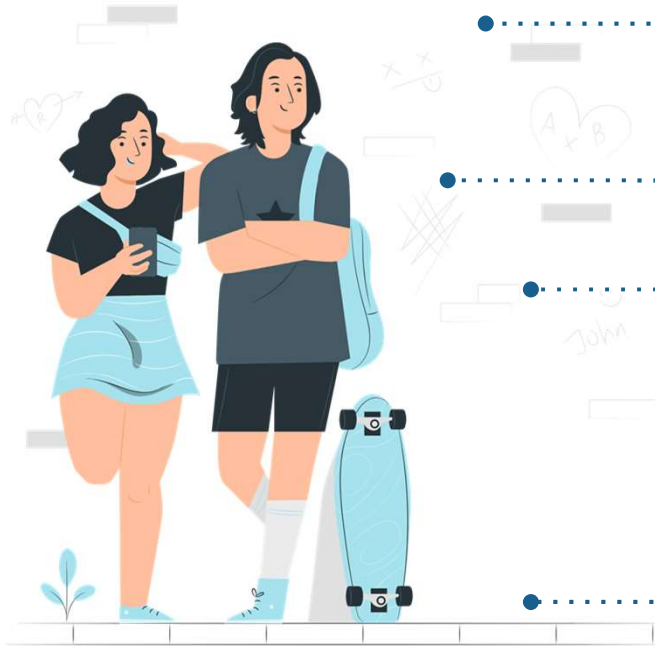
### Hui Yi's Education and Career Pathway



Hui Yi believed that hard work would allow her to be as good as her peers.







Have regular and genuine conversation with your child

Familiarize yourself with your child's personality and learning style

Provide opportunities for your child to grow

Show love and support which helps your child grow in confidence

# Supporting our Child's Aspirations



# Resources



<https://go.gov.sg/opss-ecg-microsite>

Orchid Park Secondary School - ECG... Home Upcoming Events Post-Secondary Pathways Trending Industries MySkillsFuture Streaming Matters ECG Counseling More

## EDUCATION AND CAREER GUIDANCE

Welcome to the OPSS ECG Microsite, a one-stop site where you - students, parents and teachers - can find information and updates related to ECG matters in OPSS.

Our 3 key ECG focus are:

1. Who am I?
2. Where am I going?
3. How do I get there?

Below is the overview of Singapore's education system:

# Let's Explore!

## Start your Education and Career Journey by:

### Discovering Purpose

The more you know about yourself, the better your decisions will be.

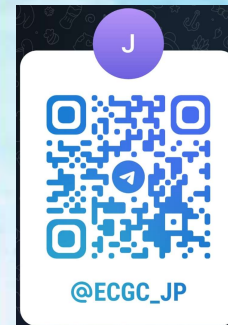
### Exploring Opportunities

There are many education and career opportunities open to you.

### Staying Relevant

You can continue to develop yourself by staying adaptable and resilient.

Have a chat with your ECG Counsellor today!



Education & Career Guidance