



# Supporting Your Child's ECG Journey

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Education & Career Guidance





# Objectives



01

**Changing World of Work**

02

**Evolving Education Landscape**

03

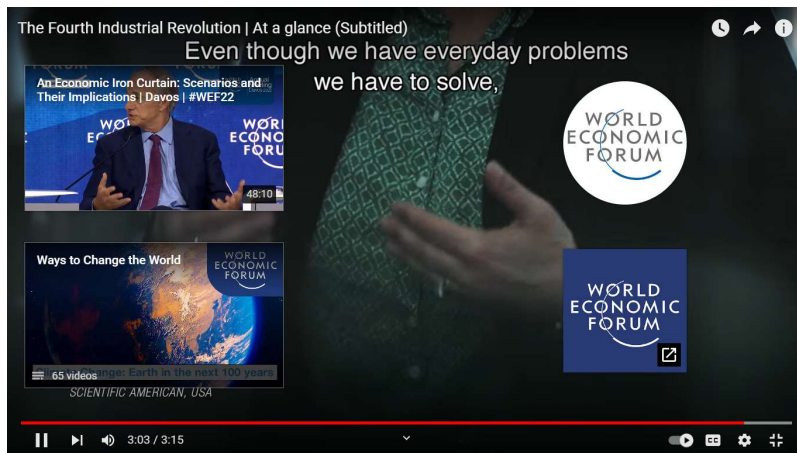
**Supporting your Child's ECG Journey (Subject Combination Selection)**



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



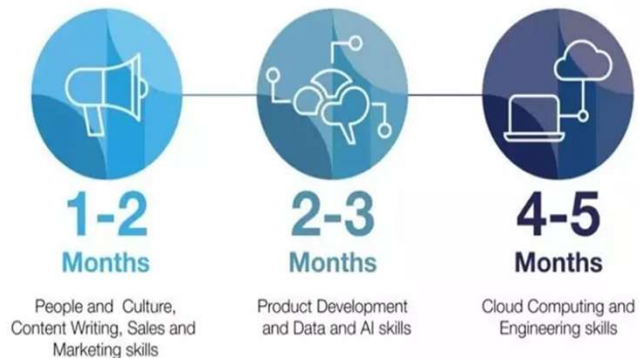
## Top 10 skills of 2025

- 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>

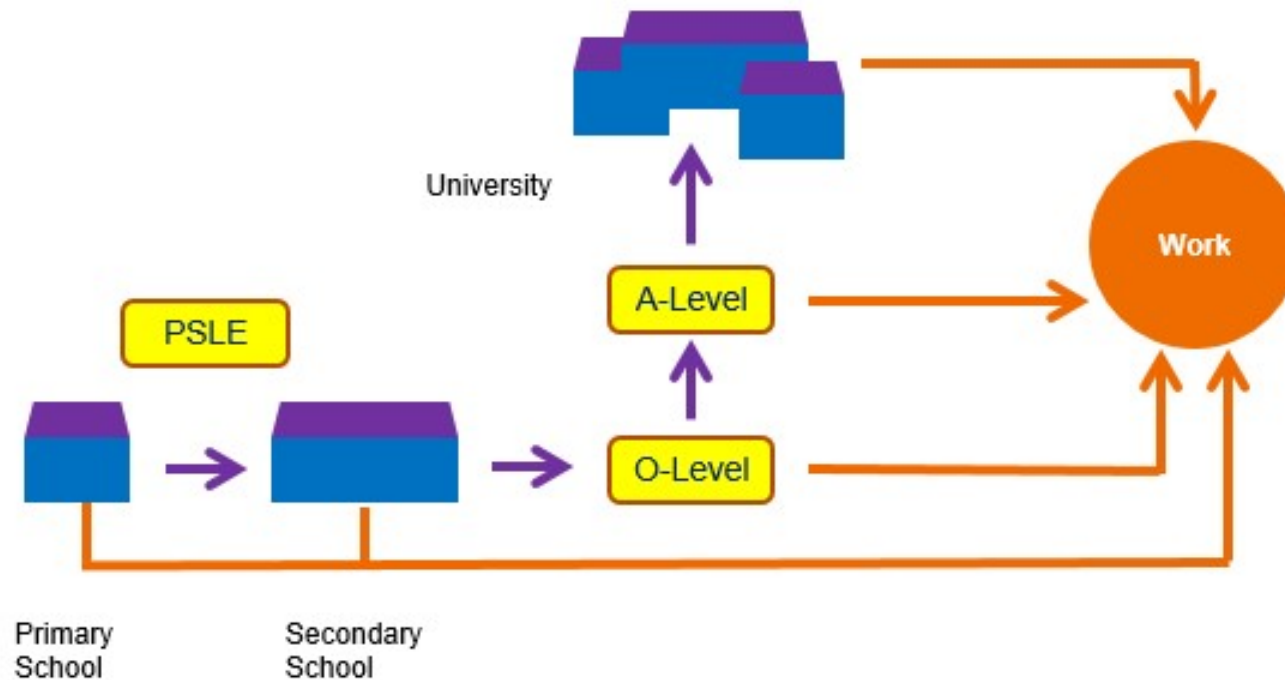


# Changing Education Landscape

Credit : Image from Canva

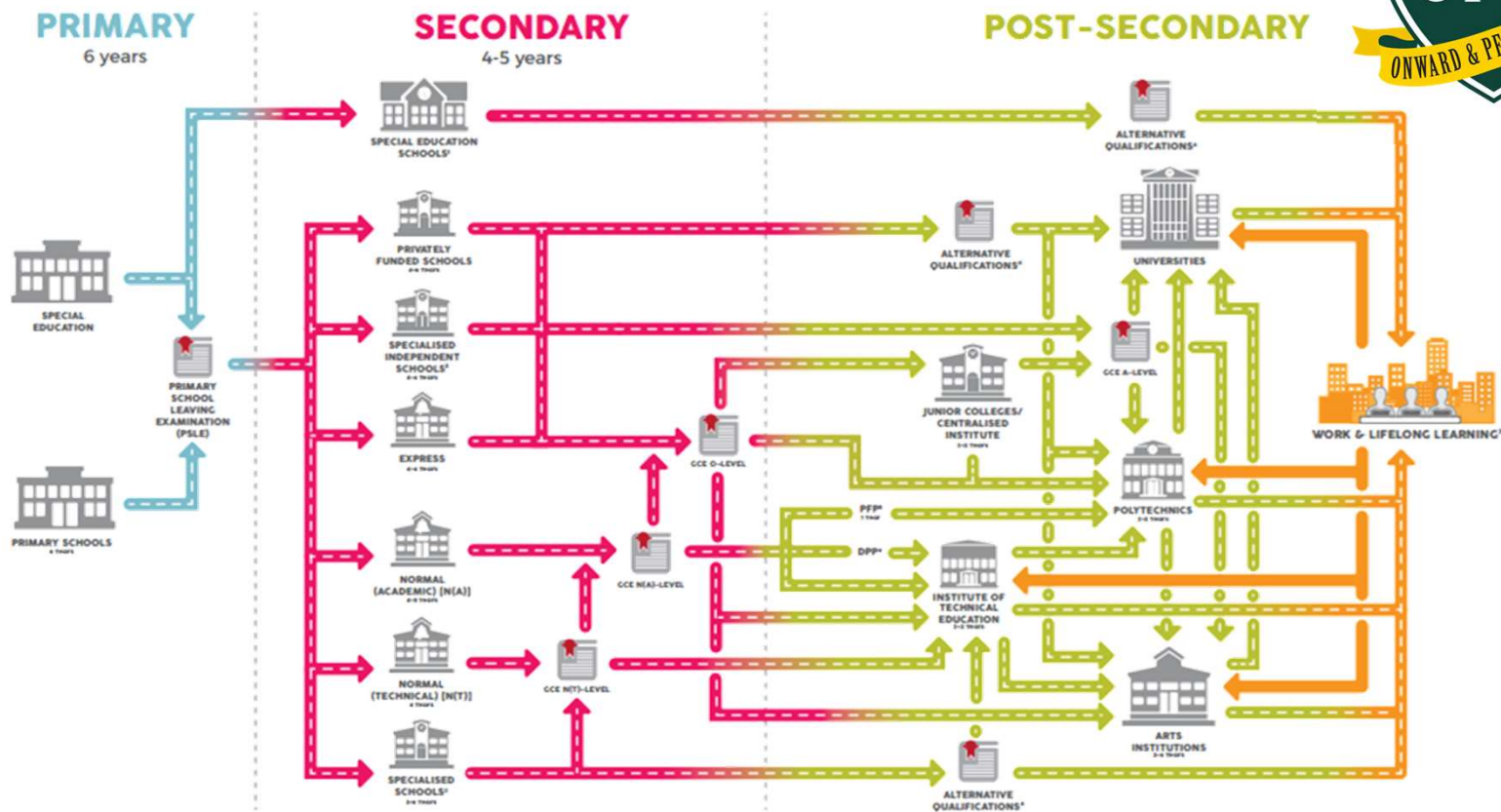
# EDUCATION LANDSCAPE HAS CHANGED

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?

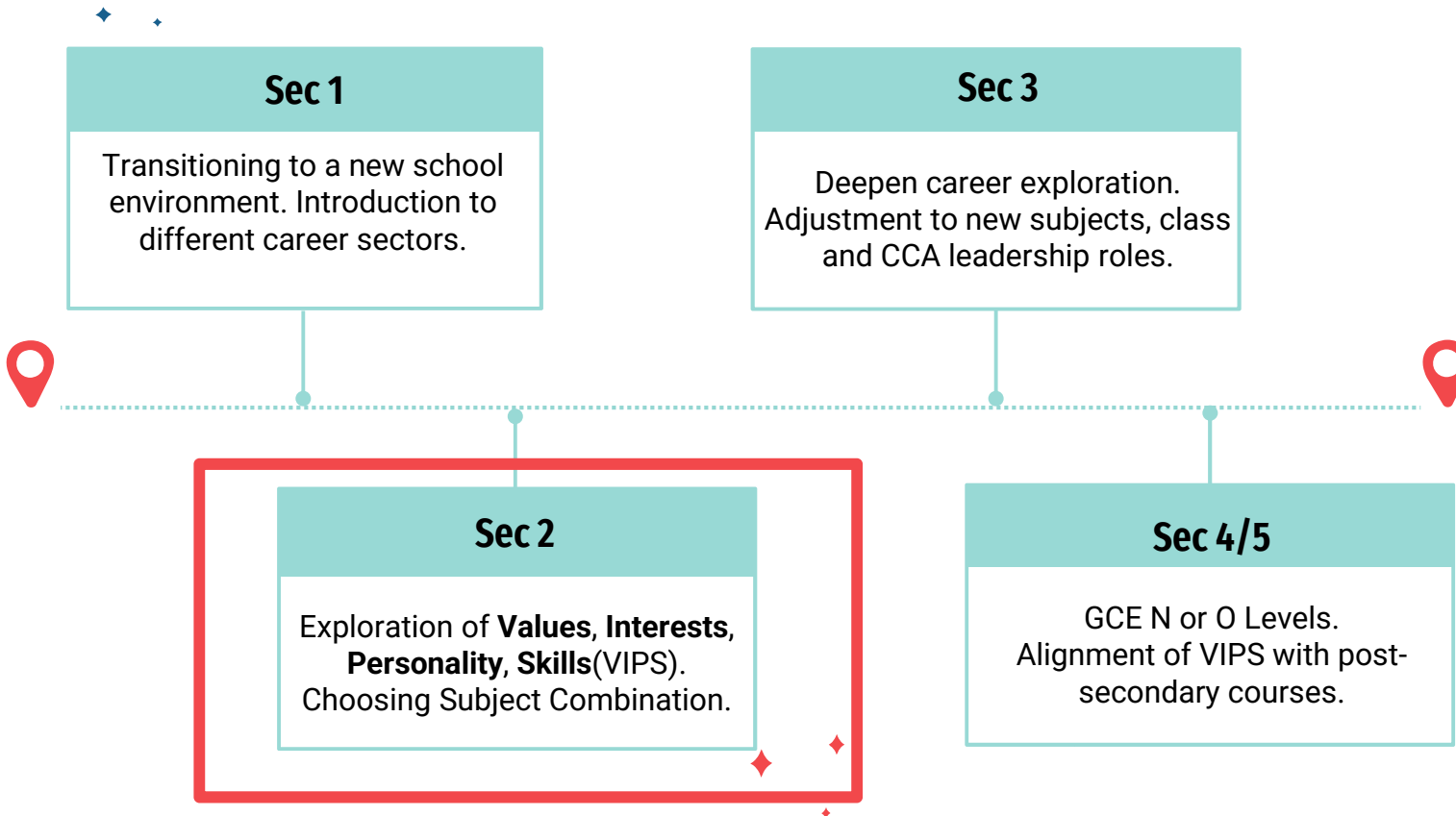


**HOW?**  
How do I get there?



**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

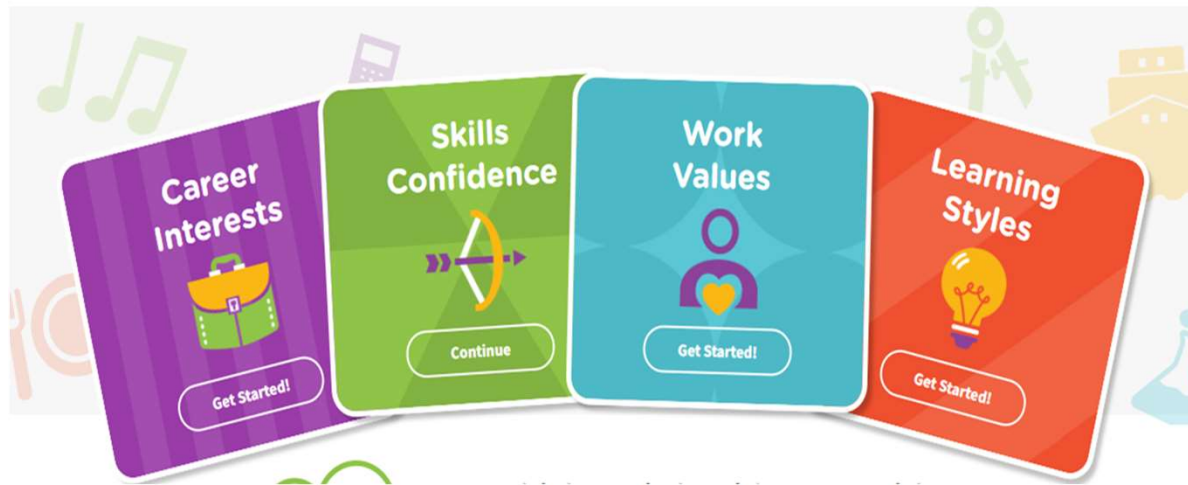
**Self Awareness**

# 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



## Support them as they discover their VIPS

What is important to you? What motivates you?

What are the issues you feel strongly about?

**What do you enjoy doing?**

How would you describe yourself?  
How do others describe you?

What are your strengths? What have people praised you for?

## Encourage Reflection on Experiences

What do you do in...?

**What do you like / dislike about...?**

How do you feel when...?

What did you learn about...?

What did you discover about yourself through...?

## Connect Experiences

**What have you learned in <Subject> that will be useful for <Jobs you like>?**

Is this an ability / skill / interest you want to develop further?

Would you like to do something like that in your future job? Why?

# 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\*



## Express Students (For reference only and subjected to changes)

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

- English
- Mother Tongue
- Elementary Mathematics

### Subject 3, 5, 6, 7 (choose 1 each)

- Subject 3: Humanities (SS & Geo or SS & Hist or SS & Lit in EL)
- Subject 5: Chemistry, Sci(Chem/Phy), Sci(Chem/Bio)
- Subject 6: Biology or Physics or Principles of Accounts
- Subject 7: A Math, or Art or Geography or History or D&T or Nutrition and Food Science

Subject 8 (conducted outside Curriculum time, Optional based on student's interests and aptitude)

- Physics

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



	Poly EAE	DSA-JC <sup>^</sup>	JAE <sup>^</sup>
<b>Who can apply?</b>	<b>Express students</b>		
<b>Aggregate Type/ Remarks</b>	MER (5 subjects) ELR2B2 ≤ 26	L1R5 ≤ 20 (6 subjects)	L1R5 ≤ 20 (6 subjects)  ELR2B2* ≤ 26 (5 subjects)
<b>Considerations</b>	<ul style="list-style-type: none"> <li>• Clear interests and aptitude in the area of studies or talent</li> <li>• Ability to cope with curriculum rigour</li> </ul>		<ul style="list-style-type: none"> <li>• Interests and strengths</li> <li>• Programme offering i.e. Subject combination and modules</li> </ul>

MER = Minimum Entry Requirement

\*ELR2B2 have 4 types – A, B, C,D

<sup>^</sup>by merit

# 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.

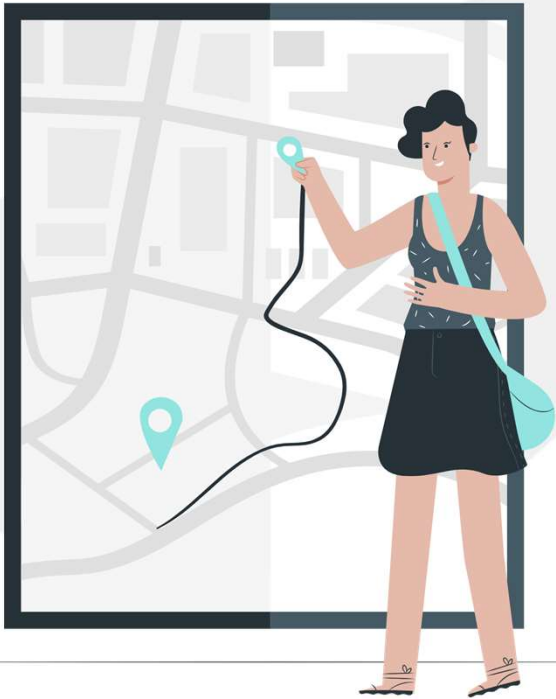
[Find Out More](#)



The screenshot shows the 'Singapore Industry Landscape' page on the My SkillsFuture portal. It features a navigation bar with 'My SkillsFuture' and various menu items like 'About', 'Know Yourself', 'World of Work', 'Education Guide', 'Help', 'Feedback', 'Logout', and 'Notifications'. Below the navigation bar, there's a breadcrumb trail: '# / World of Work > Singapore Industry Landscape'. The main heading is 'Singapore Industry Landscape' with a 'View My Reflections' button. A 'Select Industry' dropdown menu is open, displaying a grid of industry categories: 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, and Public Service (Education). To the right of the dropdown are 'View All Articles' and 'View All Videos' buttons. The background of the page is a stylized 3D cityscape with various buildings and icons representing different industries.

Credit : Image from go.gov.sg/mysfsec

# 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 Question

**My child wants to join a university, hence he/she should join a junior college to get a better chance to enter the university. In this case, my child needs to take pure science and additional mathematics.**



## **Answer:**

No. Students can be accepted into Science or Art stream to do H2 level subjects at Direct-School Admission-JC (**Pre O-levels**) or Joint Admission Exercise (**Post O-levels Results Release**)



## **Junior Colleges' Considerations**

- Assumed knowledge
- Availability vs Merits of interested students
- Commitment



# Frequently Asked Question

**A-level graduate will have a higher chance to be accepted at an Autonomous University.**

**Answer:**

Admissions to Autonomous Universities in Singapore are by merits or Aptitude Based Admissions

SIT and SUSS cater more to polytechnic graduates, not just in their applied learning approach, but also in their degree programmes.

SIT, established in 2009, took in about 3,200 undergraduates last year, of which about 90 per cent were polytechnic graduates. It says it will be admitting a similar number of students for the 2023 academic year, which starts in September.

Many of its degree programmes are targeted at growth sectors of the economy, such as allied health services and cyber security.

Another change which favours polytechnic graduates is the move to aptitude-based admissions, where the universities look beyond grades and at the aptitude and talent of the applicants.

**NUS has also started a special scheme to draw polytechnic graduates who have an interest in entrepreneurship.**



<https://www.straitstimes.com/singapore/how-many-uni-places-for-locals-any-quota-for-poly-grads>



## Chang Cheng Yao



Cheng Yao has always been passionate about Chinese culture. During his secondary school days, Cheng Yao had the opportunity to join the Lianhe Zaobao Student Correspondent Club. Since then, he was determined to join the media industry.

Through the experience, he set his mind to apply for the Diploma in Chinese Studies course at NP as the course could provide a holistic environment for him to learn different aspects of the Chinese language, culture and media. Furthermore, Cheng Yao gained an opportunity for internship with Lianhe Zaobao in his third year and that affirmed his interest in Chinese media. Prior to that, Cheng Yao undertook a module in Radio Production and Speech, and Communication. The course unmasked the industry-related scenes behind the airwaves and laid his foundation in radio production.

Since graduating from NUS, Cheng Yao joined Singapore Press Holdings (SPH) as a radio presenter with UFM 100.3 where his creativity is unleashed.



THE NEXT STEP FORWARD

Navigating Your Education and Career Pathways

### Cheng Yao's Education and Career Pathway



## Satrugan Kumar Singh



### Satrugan's Education and Career Pathway



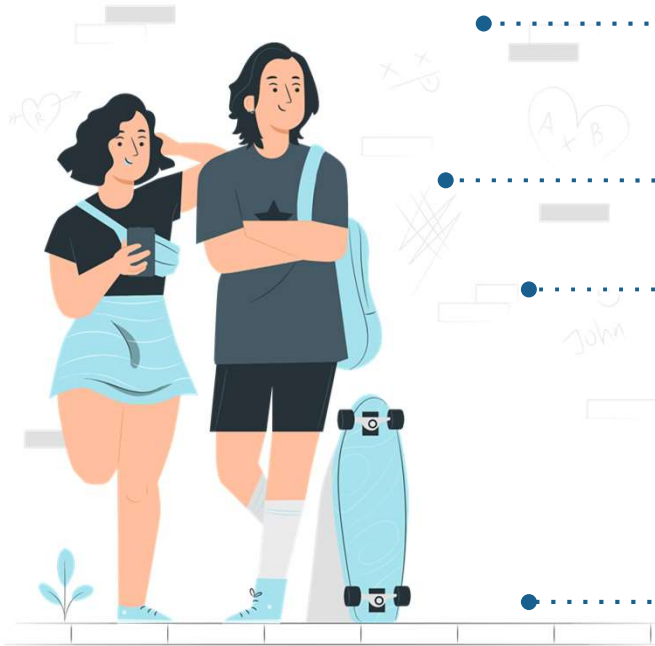
During his three years of study at TP's Diploma in Information Technology (IT) course, Satrugan participated in numerous competitions which honed his IT skills. His proud achievements included the 2009 and 2010 Imagine Cup Competitions. One of which involved developing an IT solution to help children in Sub-Saharan Africa gain better access to quality education. This project won the top prize in Singapore and was ranked sixth internationally. Satrugan has since been invited to several TEDx talks to share his project ideas.

Upon completion of NS, he entered Singapore Management University (SMU) to study Information Systems Management. He is currently an apprentice at Tinkerbox Studios, where he works with young startups in the development of their early stage products.

TO GO FURTHER FORWARD  
Accelerate Your Education and Career Pathways

### Courses related to Information Technology can be found in:

- ▶ School of Electronics and Info-comm (ITE Central, East and West)
- ▶ School of Information Technology (NYP)
- ▶ School of Infocomm Technology (NP)
- ▶ School of Infocomm (RP)
- ▶ School of Digital Art and Infocomm Technology (SP)



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

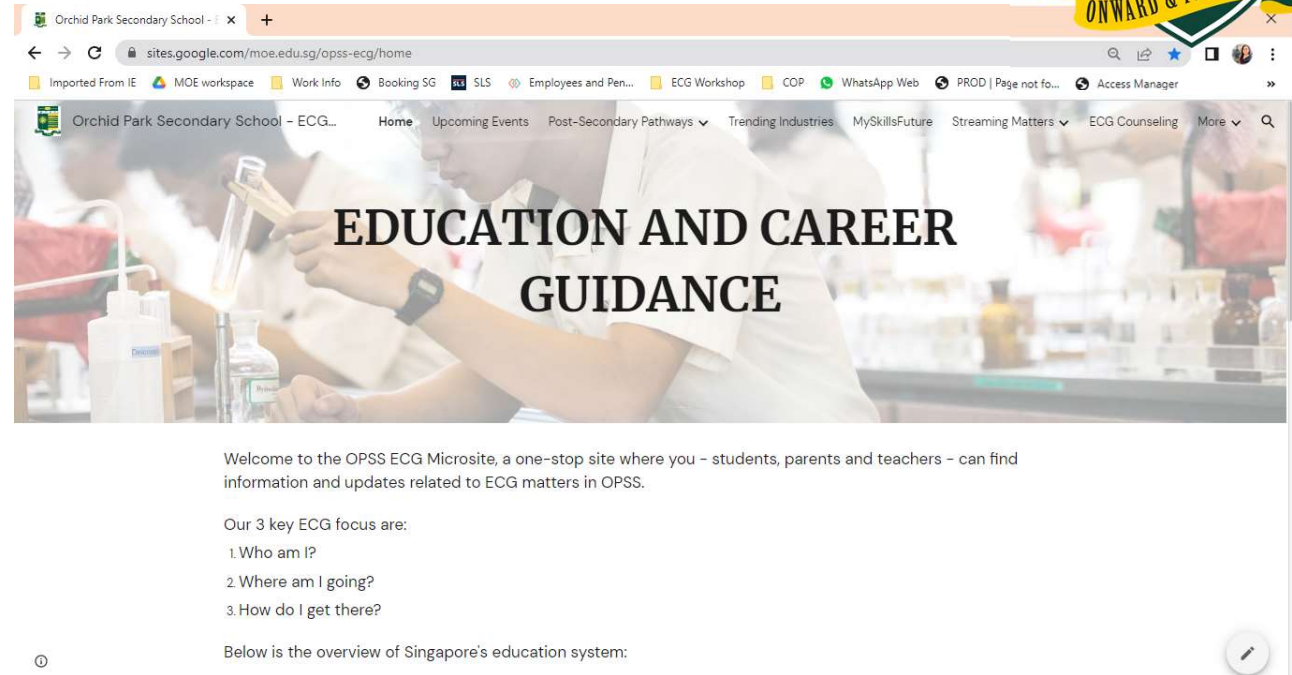
# Supporting our Child's Aspirations



# 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.

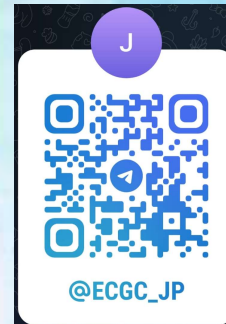
### Exploring Opportunities

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