

# Education & Career Guidance (ECG)

**HOUGANG**  
SECONDARY SCHOOL



**Subject Combination Exercise 2025**

# Today's Agenda

1. What is ECG
2. How you can support your child in ECG
3. World of Work (Critical Skills and SE Competencies)
4. Educational Pathways
5. School Support

# What is Education and Career Guidance (ECG)



**Education & Career Guidance**

ECG helps our students to develop a **sense of purpose** in life. By nurturing **self-awareness and self-directedness for lifelong learning**, ECG helps our children develop a growth mindset, adaptability and a resilient attitude to embrace future opportunities and appreciate the value of all occupations.

# Common Questions from Students

Should I choose subjects that I **like** or I am **good** at?



How do I choose when I **do not know** my career aspirations yet?

What are the **subjects required to achieve** my career aspirations?



Is it possible for me to go to Poly after ITE?

# ECG - Journeying with Students



## Roadmap Infographics

### Enrichment

#### Term 1 Inspire Series (April)

- RIASEC Profiling using skillsfuture portal
- Sec 2 Subject Combination Talks
- G2 ECG Fair @ WorldSkills Singapore

#### Term 2 Inspire Series (May)

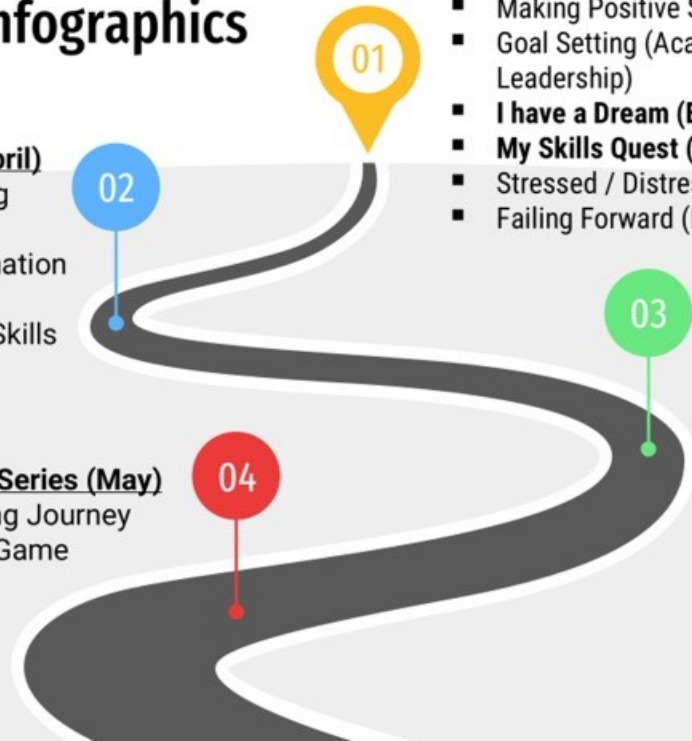
- ECG Learning Journey
- Career Life Game

#### Terms 1 and 2 CCE Lessons

- Making Positive Self Statements
- Goal Setting (Academic, Character & Leadership)
- **I have a Dream (ECG – Interests & Abilities)**
- **My Skills Quest (ECG – Knowledge & Skills)**
- Stressed / Distressed (Mental Resilience)
- Failing Forward (Mental Resilience)

#### Term 3 CCE Lessons

- Goal Setting Review
- Stamping out Automatic Negative Thoughts (Mental Resilience)



# 3 Tips to Support Your Children's ECG Journey



## 1 Discovering Purpose



**Guide your children to make informed decisions and own them**

Pay attention to the strengths and interests your children display in various activities and interactions, and affirm them to build their confidence. Discuss important considerations with your children when they are making education and career decisions. Empower them to take ownership of their goals and contribute meaningfully at home, in school and in the community.



## 2 Exploring Opportunities

**Encourage your children to find out more about education pathways and the World of Work**



Encourage and support your children in exploring different education and career pathways aligned to their strengths and interests.

Help your children see that they can broaden their education and career possibilities and encourage them to be confident of the future as they pursue their goals and aspirations.



## 3 Staying Relevant



**Embrace lifelong learning and develop your children's future-ready skills**

Learning does not occur only in school, but throughout life. Journey with your children through triumphs and challenges in their education and career journey. Celebrate their efforts and resilience, and encourage them to reframe setbacks as learning opportunities.

Help them practise adaptability when facing changes. Encourage them to keep their minds open to new options and think of alternative plans, instead of being fixated on one option.

Help your children see that they can grow and improve with effort and perseverance, and that they can build on opportunities to develop themselves. As the World of Work is rapidly changing with technological disruptions and new job roles being created, your children will need to be lifelong learners as they move towards leading a purposeful life.

# Possible Conversation Starters



## 1 Discovering Purpose

**Guide your children to make informed decisions and own them**

Pay attention to the strengths and interests your children display in various activities and interactions, and affirm them to build their confidence. Discuss important considerations with your children when they are making education and career decisions. Empower them to take ownership of their goals and contribute meaningfully at home, in school and in the community.

- ❖ What are your **favourite subjects** and **Co-Curricular Activities (CCAs)**? What do you like about them?
- ❖ How would you want to **contribute to our community to make a positive difference?**
- ❖ What are your **goals and aspirations?**



# Hougang Secondary students turn day-old bread into sweet victory at ITE skills competition



After receiving feedback during the preliminary rounds that their face mask had a short shelf life, the team replaced yoghurt with kaolin clay and added essential oils to improve longevity and give the product a more appealing aroma.

“As teenagers start to get acne, they will feel insecure about themselves. We aimed to create skincare products to aid them,” said Secondary 3 student Wong Hong Xi, 14, one of the team members.

“Beyond this competition, I want to continue fixing this project’s flaws,” he said, adding that he hopes to start a business in skincare in the future.

(From left) Hougang Secondary School students Muhammad Ariq Danish, Mohammad Azhar, Wong Hong Xi and Mohamed Firas Mohamed Rafi won the BreadCycle Challenge at the finals of the 9th ignITE Skills Challenge at ITE College Central on May 20. ST PHOTO: SHINTARO TAY



# How to help your children choose when they do not know their career aspirations yet?

**Where Do I Want To Go?**

Exploring Opportunities

## Where do I see myself contributing to society?



Digital Economy



Care Economy



Green Economy

# How to help your children choose when they do not know their career aspirations yet?

**Who Am I?**

Discovering  
Purpose



Co-curricular Activities



Values In Action



Education and Career Talks / Career Fairs



Applied Learning Programmes

Promoting Self-Awareness  
using V.I.P.S  
(Values, Interests,  
Personality and Skills)  
through their sharing  
on school experiences

# Possible Conversation Starters

1. Which **education institution** are you curious to find out more about and why?
2. **What information** have you found about the industries or careers that you are interested in, including the education pathways leading to them?
3. How do you think you can find out more about the education or career pathways you are interested in?



## 2 Exploring Opportunities

Encourage your children to find out more about education pathways and the World of Work

Encourage and support your children in exploring different education and career pathways aligned to their strengths and interests.

Help your children see that they can broaden their education and career possibilities and encourage them to be confident of the future as they pursue their goals and aspirations.

# Strengthen Sense of Purpose

1. **Explore** post-secondary education institutions with your children using the **MyskillsFuture Student Portal (Secondary)**.
2. **Encourage** your children to **pursue hobbies/projects (e.g. SIL, CCAs, VIA, competitions and courses)** that allow them to further develop their interests and skills. These can be recorded in their personal e-portfolio that be used in their application for Aptitude Based Admissions (DSA-JC/EAE-Poly/EAE-ITE) in Secondary 4/5.
3. **Support** your children's participation in school & **student-initiated programmes** (e.g. VIA, learning journeys, and ECG fairs/WEP etc) to expose them to different ECG pathways



## People

- Talking to and discovering more about people around them
- Taking charge of and leading a group
- Helping others through actions or through teaching them



## Ideas

- Coming up with various ideas for a situation or problem
- Having an active imagination
- Enjoying asking "What if" questions



## Data

- Working with numbers
- Organising information
- Researching and discovering more about a subject or an area of interest



## Things

- Operating machines or tools
- Tinkering with models or items
- Modelling things and building prototypes of their solutions to problems

# Strengthening Resilience



## 3 Staying Relevant



### Embrace lifelong learning and develop your children's future-ready skills

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Help them practise adaptability when facing changes. Encourage them to keep their minds open to new options and think of alternative plans, instead of being fixated on one option.

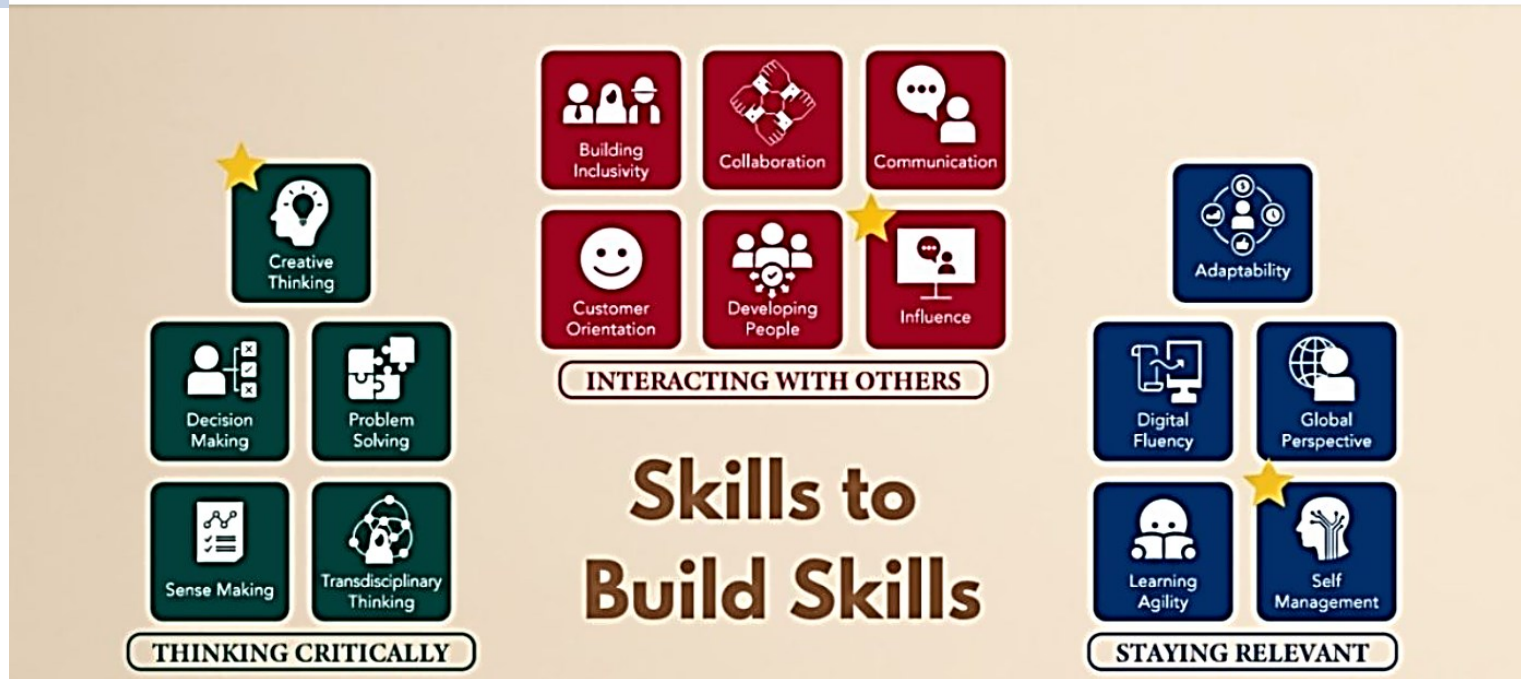
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1. What are the **setbacks/failures** you have faced that taught you something? Can I share about a setback I experienced that helped me grow? What did you try that was difficult for you this week? What will you do to challenge yourself this month? (You can make this a family challenge and get your children to ask you these questions too.)
2. As you consider your aspirations, which post-secondary pathways have you explored? How can we find out more?





# Critical Core Skills for the World of Work



# Emerging Jobs (Skills Demand for the Future Economy Report 2023/24 by Skills Future Singapore)\*

**Where Do I Want  
To Go?**

Exploring  
Opportunities

- Programming and Coding
- Big Data Analytics
- Application Support Enhancement

Digital Economy

- Community Partnership
- Professional Consultation

Care Economy

- Carbon Accounting
- Carbon Markets and Decarbonisation Strategies Management
- Sustainability Risk Management

Green Economy

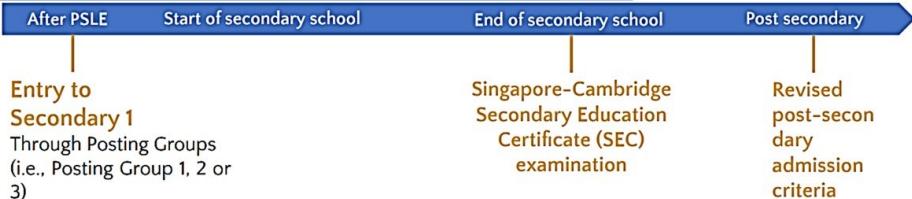
\*not exhaustive





<https://www.moe.gov.sg/post-secondary/admiss>

## Singapore-Cambridge Secondary Education Certificate (SEC) Examination



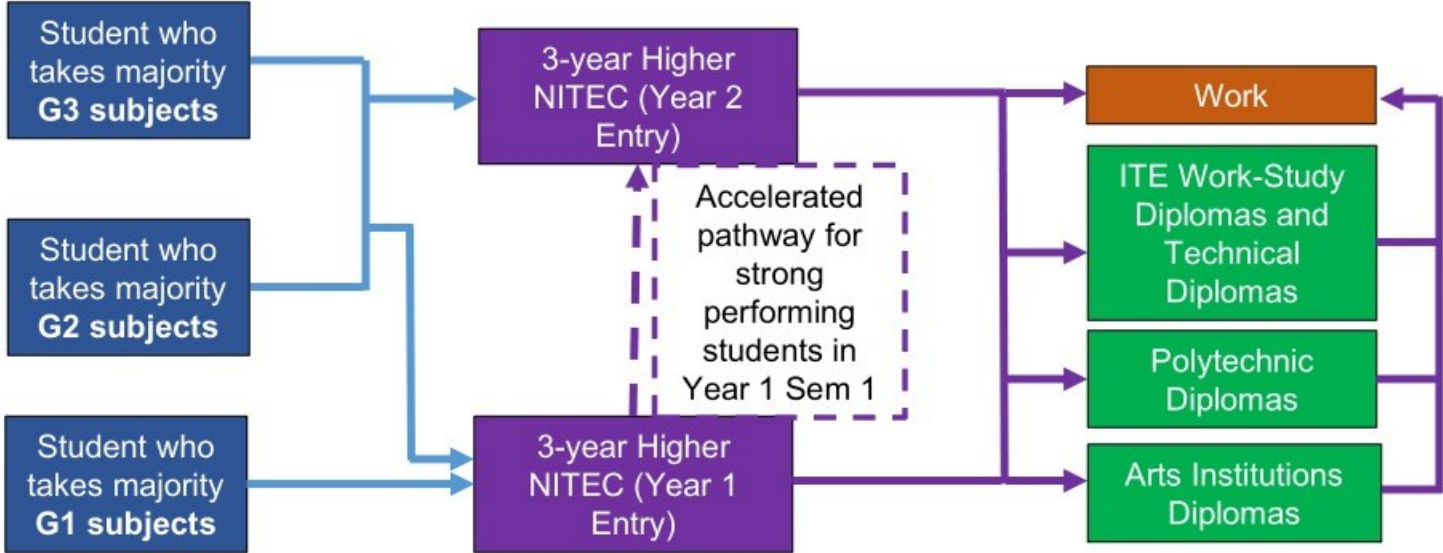
- From the 2027 graduating cohort, students will sit for the new Singapore-Cambridge Secondary Education Certificate (SEC) examination, comprising different papers for each subject level.
- Students will receive an SEC that reflects the subjects and subject levels that students offer.

**From 2028,  
more post-secondary options  
will be available.**

Students taking at least	POST-SEC PATHWAYS					
	ITE Year 1 Entry	ITE Year 2 Entry	Polytechnic Foundation Programme (PFP)	Polytechnic Year 1	Millennia Institute	Junior College
5 G3 subjects	✓	✓	NEW ✓	✓	✓	NEW ✓
4 G3 + 1 G2 subjects	✓	✓	NEW ✓	NEW ✓		
5 G2 subjects	✓	✓	✓			
4 G1 subjects	✓	NEW* ✓				

\*For students who meet ITE's Year 1 academic requirements

Overview: Post-secondary progression to ITE in 2028



Source: Full SBB Handbook (Updated on 2 Oct 2024)

For more details, please refer to Full SBB handbook.

# 3-Year Higher Nitec Courses

## Business & Services

- *Accounting*
- *Beauty & Wellness Management*
- *Business Administration*
- *Event Management*
- *Hairdressing & Salon Management*
- *Logistics & Supply Chain Management*
- *Passenger Services*
- *Retail & Online Business*
- *Sport Management*
- *Tourism*

## Electronics & Info-comm Technology

- *AI Applications*
- *Business Information Systems Cyber & Network Security*
- *Data Engineering*
- *Electronics Engineering*
- *Immersive Applications & Game*
- *IT Applications Development*
- *IT Systems & Networks*
- *Security System Integration*

## Applied & Health Sciences

- *Applied Food Science*
- *Bio-Chemical Technology*
- *Chemical Process Technology*
- *Community Care & Social Services*
- *Nursing*
- *Opticianry*

# New 3-Year Higher Nitec Courses

3-Year <i>Higher Nitec</i> Course	College			Minimum Entry Requirements
	Central	East	West	
Advanced Manufacturing <sup>NEW</sup>	✓			<b>3 GCE 'N' Level Passes:</b> Grade A-D or Grade 1-5 in Mathematics or Science and two other subjects  OR  <b>2 GCE 'O' Level Grades:</b> Grade 1-8 in any two subjects  <b>Note:</b> <i>"Mobile Robotics, Smart Electrical Technology, IoT Applications, Mechanical Design &amp; Automation, and Mobile Web Applications subjects can be used in lieu of Science for admission to these courses."</i>
Aerospace Engineering <sup>NEW</sup>	✓			
Marine & Offshore Engineering <sup>NEW</sup>	✓			
Mechatronics Engineering <sup>NEW</sup>	✓		✓	
Rapid Transit Engineering <sup>NEW</sup>			✓	<b>Completion of GCE 'N' or 'O' Levels</b>
Automotive Engineering <sup>NEW</sup>			✓	
Mechanical Engineering <sup>NEW</sup>	✓	✓	✓	

# Early Admission Exercise (EAE) by ITE

- An aptitude-based admissions exercise
- **Strongly Recommended** for students with strong aptitude and passion in a field related to a Higher Nitec course.
- The school will guide all Secondary 4 G1 students to prepare personal write-up, e-portfolio for application to ITE.

Apply for up to 3 course choices



Prepare write-up of not more than 100 words



Attend Interview if short-listed



Conditional Offer



Confirmation once Singapore-Cambridge Secondary Certificate examination results meet Minimum Entry Requirement

# ITE Progression to Diploma

- **ITE progression Award** when they pursue diploma:
  - Top-up of \$5000 to Post-Secondary Education Account upon enrolment into Poly course
  - Top-up of \$10,000 to CPF OA upon completion of Poly course

		Enrolment in Diploma*	Completion of Diploma*
ITE	Work-Study Diploma	Course fees borne by employers	<b>Eligible for \$10,000 CPF-OA Top-Up</b> To boost savings for longer-term goals
	Technical Diploma Technical Engineer Diploma	<b>Eligible for \$5,000 PSEA Top-Up</b> To help with the costs of obtaining a diploma	
Polytechnic	Full-Time Diploma Part-Time Diploma		
NAFA/LASALLE	Full-Time Diploma		
National Institute of Early Childhood Development (NIEC)	Diploma		

Source : [ITE progression award](#)



# HS - ECG One Stop Padlet

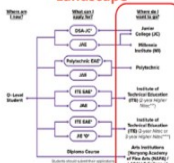
## FAQ

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Pei-Ling Juan 7mo

### Pathways for "O" level students

Overview of Post O-Level Education Landscape




Please approach your teacher or ECG counsellor Ms. Juan if you wish to find out more. Drop an email to Ms. Juan at [juan\\_peiling@moe.edu.sg](mailto:juan_peiling@moe.edu.sg)

## Events 2024 / 2025

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Pei-Ling Juan 16d

### WHAT'S NEXT AFTER O LEVELS? Plan your next steps with Republic Poly in a 2-Day Workshop! First run - 27 & 28 Nov 2024. Second run - 2 & 3 Dec 2024.



Becoming Greater Me

Congratulations! You've Just Completed Your O-Levels! So, What's Next? Polytechnic or Junior College? Which is the better path for you? Let us help you make an informed decision. Based on your own strengths, interests, and aspirations, signing Your Life (DYL) Workshop, and find out more about yourself, your purpose here, before you decide.

DYL Workshop for O Level Sch Leavers

RP will be organising a complimentary "Design Your Life (DYL)" workshop exclusively for

## ECGC Contact

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Pei-Ling Juan 7mo

### Education and Career Guidance Contact

Education & Career Guidance @ The Engagement Centre (Canteen)

Tues & Wed (except PH) 8am to 5pm

Book an appointment - One to One or Group <https://go.gov.sg/hs-ecgc>

Drop me an email [juan\\_peiling@schools.gov.sg](mailto:juan_peiling@schools.gov.sg)

## ECG Resource

Pei-Ling Juan 4mo

### 2024 ECG BUZZ Issue 3

ARE YOU READY FOR INTERVIEWS?

Feeling jittery about an upcoming interview? Don't worry, we've got your back! Check out these tips to boost your confidence and ace that interview. Let's dive in and get you ready to shine!

BEFORE AN INTERVIEW:

Find out more about what you are being interviewed for and think through your views/interests.

2024-08 ecgbuzz-issue3-interviews

Are you ready for interviews?

Pei-Ling Juan 7mo

### 2024 ECG Buzz Issue 2 - Explore the World of Work in SLS

A World of Possibilities: Enter the World of Work through our SLS resources



[HS ECG Padlet](#)



# School Website -> Quick Links for Students

## For Students

<https://www.hougangsec.moe.edu.sg/quick-links/For-Students/for-students/>



[Google Workspace](#)  
(Student iCON)



Ministry of Education  
SINGAPORE

Ministry of Education



Student Learning Space



HGSS Facebook



Sec 1 CCA Option Exercise



Ministry of Education  
SINGAPORE

[MIMS Portal](#)



MySkillsFuture For Students

ECG Bookcase

Education and Career Guidance

CourseFinder

MOE Course Finder

Quick access to

- **MOE CourseFinder** on the offerings and courses of polytechnics and ITEs
- **MySkillsFuture** on career and education pathways



## Education & Career Guidance @ The Engagement Centre ( Canteen ) Tues & Wed ( except PH) 8am to 5pm



<https://go.gov.sg/hss-ecgc>

Book an appointment -  
One to One or Group

**<https://go.gov.sg/hss-ecgc>**

Drop me an email:

**[Juan\\_peiling@schools.gov.sg](mailto:Juan_peiling@schools.gov.sg)**

- Help students discover their strengths, interests and aspirations.
- Guide students in making informed plans for their education and career through individual and group guidance sessions or workshops.
- Support students in their applications to POLY EAE, ITE EAE, DSA-JC.

**THANK YOU**



**CARE , LEAD , INSPIRE & PARTNER.**