



Secondary School Edition

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THE EXPLORER

Education and Career Guidance e-Newsletter
for Students

Dear Students,

A warm welcome to 2022's first issue of The Explorer, an Education and Career Guidance (ECG) e-newsletter written specially for you! Whether you are thinking about the next step in your education journey or exploring what's out there in the world of work, we hope you'll find The Explorer a useful resource!

For more on ECG, do speak with your teachers or your ECG Counsellor!

TAKE A PEEK!

Industry Landscape
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*In the next issue...
critical core skills,
the Green Economy
and more!*

THE INDUSTRY LANDSCAPE

In order to help us gain insights and stay relevant in the future economy, SkillsFuture Singapore has recently launched its first-ever yearly "Skills Demand for the Future Economy" report. The report spotlights the priority skills and jobs in demand for three emerging, high-growth areas - the Digital Economy, Green Economy and Care Economy.

Digital Economy

In Singapore, Digital Economy jobs can be found across many different sectors. Digital skills are increasingly transferable.

Most Digital Economy jobs here are **Tech-Lite** job roles which do not require advanced IT skills.

Tech-Heavy job roles help lead digital transformation in tech-reliant industries and organisations.

Green Economy

The Green Economy is about how we live, work and grow while taking care of our environment and its limited resources efficiently and sustainably.

Companies are changing and creating new business functions.

New jobs and skills are required. Existing jobs will include new skills to support the **Singapore Green Plan 2030**.

Care Economy

The Care Economy is driven by an ageing population, evolving demands for care, and the future of work and learning.

Technology enablement and community collaboration help to create new jobs and skills. Sectors include healthcare, wellness, community care, social service, early childhood, and training & adult education.

EXPLORE THE DIGITAL ECONOMY



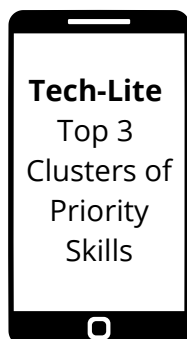
DO U KNOW?
30% of new jobs globally will be in data, artificial intelligence (AI), engineering and cloud computing by 2022.

Source: World Economic Forum, "Jobs of Tomorrow: Mapping Opportunity in the New Economy", 2020.

The Digital Economy entails different types of skills, depending on the job role applications. It can be **Tech-Lite** job roles (e.g. UI/UX Designer, E-commerce Executive and Social Media Strategist) where the focus is on using tech products/solutions to achieve a business outcome. On the other hand, **Tech-Heavy** job roles (e.g. Cyber Security Penetration Tester, Data Scientist and Game Developer) focus on using existing products to deliver tech products or services and also use technology to create, build, and scale products.



What are the priority skills needed in tech-lite and tech-heavy job roles?



Tech-Lite
Top 3 Clusters of Priority Skills



Technology Application

Skills to operate, adopt and apply new technology.



Market Research/Trend

Skills to enable businesses to make informed decisions on their business directions.



Data Analysis/Analytics

Skills covering data collection, data management, data interpretation and data visualisation, applied in research or business.



Technology Development

Skills to analyse, review, formulate and lead new digital transformation efforts with organisations' IT systems and technologies.



Data Engineering

Skills to develop and implement data management systems and tools.



Internet of Things Management

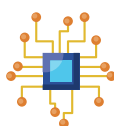
Skills to enable working with interconnecting computing devices, equipment and machine data, in a networked environment.



Tech-Heavy
Top 3 Clusters of Priority Skills



Say hello to Doreen Tan, User and Content Operations Manager at Tik Tok, gamely answering #tech career-related questions from students.



What really goes on behind the scenes of games development? Learn more about what a **Game Developer** does!



By IMDA and SG Women In Tech
#SGWomenInTech, #TikTok, #TechCareers

By National Youth Council
#ComputerScience, #GameDeveloper

Career opportunities abound in the Digital Economy and the need for women to fill these roles remains strong.



To learn more about careers in the Digital Economy and the skills required, click [here](#).

APTITUDE-BASED ADMISSIONS, IS IT SUITABLE FOR ME?



Playing to your Strengths and Skills




Bringing the lab to the real world



Food tells my family's stories



Making flight possible 

Do you have interest, aptitude, or skills in a particular area?

Are you hoping to secure a place in a Polytechnic, ITE, or Junior College before sitting for your N or O levels?

If your answer is "yes", you may want to consider participating in the Polytechnic/ITE Early Admissions Exercises (EAE) or the Direct Admission Exercise for Junior Colleges (DSA JC).

Here are some quick facts on what you need to know to prepare for the Poly/ITE EAE and DSA JC.

DSA JC



Apply through the Individual JC's website, based on your talent in sports, CCAs and specific academic areas that may not be demonstrated at the O-Level examinations.

Submit personal statement, portfolio, character reference, school results and CCA records, if required.

Undergo selections and interviews, if shortlisted.
go.gov.sg/applyjcdsa



POLY EAE

Apply through the Poly EAE portal.



Select up to 3 courses, and submit write-ups to demonstrate your interest, relevant skills and experiences.

Submit portfolio and relevant documents, if required.

Undergo interviews and aptitude tests, if shortlisted.
go.gov.sg/polyeae




ITE EAE

Apply through the ITE EAE portal.

Select up to 3 courses, and submit write-ups to demonstrate your interest, relevant skills and experiences.

Upload supporting documents such as portfolio and CCA records onto the portal.



Undergo interviews and aptitude tests, if shortlisted.
go.gov.sg/applyeae 

3 TIPS TO HELP YOU GET STARTED ON APTITUDE-BASED ADMISSIONS

Discover your Purpose. Explore your Values, Interests, Personality & Skills

1

Think about why you are applying for the particular course. Is it aligned with your values, interests, personality, skills and purpose? What are some areas you would like to learn more about or contribute in?

If you require some help exploring your interests, book a session with your school's ECG Counsellor.

Explore and research various opportunities and possible pathways

Different institutions offer different courses, subjects and programmes. Explore and find out what's available and what suits your interests and learning styles.

Click [here](#) to research about courses and programmes available in the various institutions.

Prepare your Application

Get ready your personal statement and portfolio as you may be required to attend an interview for the institution to learn more about you! Prepare yourself for the interview by going through the SLS lesson on interview skills!

Gather feedback from your family members, teachers or ECG Counsellor as you prepare for your personal statement and portfolio.

Points to consider as you prepare for your:

Demonstrate you've relevant soft skills:

- leadership
- teamwork
- time management
- communication, etc.

Connect to your experiences in:

- CCA
- VIA
- personal pursuits
- work experience
- leisure etc

1. Personal Statement
2. Portfolio*
3. Interview

💡 Show how and why you are a good fit for the course!

Give reasons for course choice:

- Motivating factors
- Source of Inspiration
- Dreams & Aspirations

Explain how it aligns with your:

- Values
- Interest
- Personality
- Skills
- Purpose

* A portfolio showcases your skills, experiences and accomplishments in and outside of school. It can be presented in different formats depending on the contents, e.g. certificates, video, collage, blog, digital album, etc.

STORIES OF RESILIENCE, ADAPTABILITY AND LIFELONG LEARNING

Hear from students who took different pathways and created stories of success in their education and career journey.



Sanchay shares how a 3-year A-Level pathway at Millennia Institute helped him juggle his studies with CCA and caring for his ailing mother, and how he achieved success at the A-Levels. Read more about Sanchay's journey [here](#).

Atiqah shares how she looked for opportunities to develop herself in **Jurong Pioneer JC** and overcame challenges brought on by Covid-19 and Home-Based Learning. Read more about Atiqah's journey [here](#).



Nora shares how she went from despair at being offered her last course choice at the **Polytechnic** to finding motivation, purpose and meaning in what she does! Read more about Nora's journey [here](#).

Song Kiat shares how the hands-on teaching style at **ITE** kept him excited about learning and how he enjoyed "every moment of his time" there. Read more about Song Kiat's journey [here](#).



Take charge of your education and career journey today!

Enjoyed reading the newsletter? Let us know what you think!

Click [here](#) to give us your feedback!

