



Pre-U Edition

ISSUE 2 • AUGUST 2022

THE EXPLORER

Education and Career Guidance e-Newsletter
for Students

Dear Students,

We are glad that many of you have found Issue 1 of The Explorer a useful resource! In Issue 2, we will be looking at **opportunities** in the care and green economy as well as the **critical core skills** needed for the future world of work! You will also read about **enhancements** at the Junior Colleges and Universities that will benefit students, and how you can **develop yourself** to prepare for the future economy!

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

CRITICAL CORE SKILLS (CCS)

To keep up with Singapore's rapidly changing economy, we need to equip ourselves with Critical Core Skills (CCS), also known as soft skills. There are 16 CCS which are expected of all job roles in every workplace. They are organised into 3 clusters:

Thinking Critically



These are cognitive skills that are needed to think broadly and creatively in order to see connections and opportunities in the midst of change.

For example: Creative Thinking, Decision Making, Problem Solving, Sense Making & Transdisciplinary Thinking.

Interacting with Others

Learning from other people can allow us to gain new skills and ideas. Being effective at interacting with others means thinking about the needs of other people and being able to exchange ideas and build a shared understanding of a problem or situation.

For example: Building Inclusivity, Collaboration, Communication, Customer Orientation, Developing People & Influence.



Staying Relevant



We need to manage ourselves effectively and pay close attention to trends impacting work and living. These provide the strategies, direction and motivation for technical skill development.

For example: Adaptability, Digital Fluency, Global Perspective, Learning Agility & Self Management.

For more on the CCS, check out this [SLS lesson](#).

EXPLORE THE CARE ECONOMY



The Care Economy offers care and support services that nurture and develop our population. These sectors include healthcare, wellness, community care, social services, early childhood and education.

Technology enablement, multi-disciplinary skills and community collaboration provide more holistic and inclusive care-wellness-learning outcomes. These in turn drive the emergence of new jobs and skills in the Care Economy.

What are the priority skills needed in Care Economy?



Conduct & Ethics



Care professionals should uphold high standards of ethical conduct, so that the individuals entrusted to them can feel at ease

Stakeholder Management



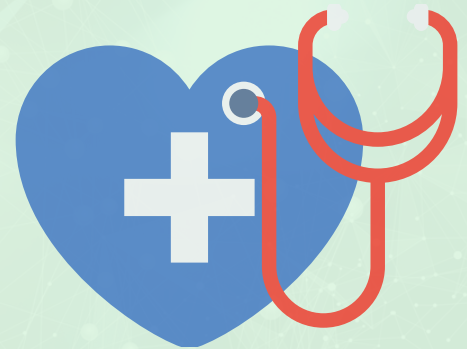
Professional advisement and unprejudiced consultations are necessary in helping care recipients make well-informed decisions

Inclusive Practices

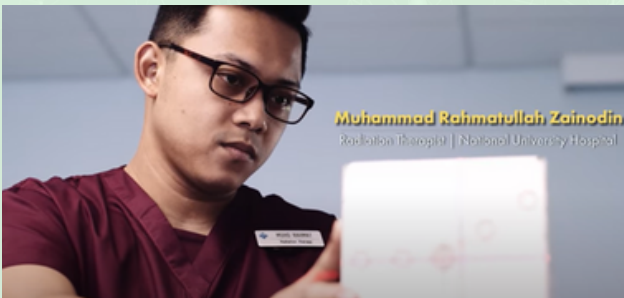


Care professionals collaborate for the good of care recipients, regardless of diversity in their backgrounds and needs

Care Economy Top 3 Clusters of Priority Skills



My Radiation Therapist, My Ray of Hope



Source: MOH Singapore, Care To Go Beyond

Cancer patients know they're in good hands when they meet a radiation therapist. Using state-of-the-art imaging technology and scientific methods, a radiation therapist accurately delivers the prescribed dose of radiation, and works closely with other healthcare professionals to treat patients and give them the hope of recovery.

For more on the Care Economy, check out this SLS lesson

<https://go.gov.sg/careeconomyslspreu>



**Do You
Know?**

Digital skills are also fast-emerging in the Care Economy, with the focus mainly on tech-lite roles to develop predictive insights, track efficacy and enhance outreach.



EXPLORE THE GREEN ECONOMY



In the Green Economy, there are many skills for implementing and managing sustainability practices that are applicable across organisations and sectors, as they adopt greener business models and practices. These priority skills are transferable, as large numbers of job roles and sectors require them.

What are the priority skills needed in Green Economy?



Green Economy Top 3 Clusters of Priority Skills



Green Process Design

Integrate environmental sustainability through the development, implementation and review of sustainability strategies and programmes that reduce waste, conserve energy and use replacements for hazardous substances



Carbon Footprint Management

Quantify and reduce the organisational carbon footprint



Environmental Management System Framework/Policy

Develop Environmental Management System (EMS) frameworks and implement procedures and practices to ensure compliance with legal and organisational requirements as well as commitment to environment protection

World of Landscaping



Source: MOE Singapore, MySkillsFuture

Singapore is known as the City of Garden with its beautifully designed and maintained landscapes in residences, business establishments and public recreational areas. Dive right into the world of Landscaping to learn about the daily work of an Arborist, a Nursery Manager and a Landscape Designer.

Check out the Futurist Webinar 2021 (Green Era) and SLS lesson about the Green Economy

<https://go.gov.sg/fw2021green-preu>



<https://go.gov.sg/greeneconomyslspreu>

Do You Know?

The Singapore Green Plan 2030 is a nation-wide, concerted effort to build sustainability as a way of work, play and life. Scan to learn more.



WHAT'S NEW AT JUNIOR COLLEGES AND LOCAL UNIVERSITIES?


Universities

New College at SMU

- From Aug 2023, SMU will take in up to 100 students into the new **College of Integrative Studies (CIS)**
- Students can select all modules across SMU's six schools - accountancy, business, economics, computing and information systems, law and social sciences and graduate with a **Bachelor's degree in Integrative Studies**

New Courses to prepare for Growth Economies

- NUS Bachelor of Engineering (Infrastructure and Project Management)
- NUS 2nd Major in Sustainable Urban Development
- SUSS Master of Built Environment
- SUSS Master of Digital Marketing
- SIT Bachelor of Science in Applied Artificial Intelligence
- SIT Bachelor of Science in Digital Supply Chain
- NTU 2nd Major in Data Analytics
- SUTD Design and Artificial Intelligence
- SMU new modules in areas such as sustainability and climate change law

NB: List of courses may not be exhaustive. Do check Universities' websites for more information. 

Junior Colleges

Scholarships

- MOE Scholarships for Pre-U students with passion for **STEM (Science, Technology, Engineering, Mathematics)** to be launched in early 2023
- The **two-year scholarship** covers school fees, capped annually at \$2,400, and provides a yearly allowance of \$1,000, which can be spent on items such as school books
- First-year junior college students may apply, while Millennia Institute students may apply in their second year
- For more info, click [here](#)

PREPARE YOURSELF FOR THE FUTURE ECONOMY

As outlined in the "Skills Demand for the Future Economy" report by SkillsFuture Singapore, individuals will need to equip themselves with **Critical Core Skills** which includes **Thinking Critically**, **Interacting with Others** and **Staying Relevant**.



What can you do to develop your critical core skills?

3 WAYS YOU CAN DEVELOP YOURSELF

1

Apply for an Internship

in a company you are interested in



The best way to gain work experience is to do the work itself!

Is there an organisation or company you have always dreamt of working for? Or is there an industry you are keen to find out more? Contact the organisation to find out if they offer internships or job shadowing programmes!

Tip: Self-sourced internships are a sign of initiative, which is highly valued by employers!

Volunteering allows you to gain exposure outside of school, expand your network and further develop your values, interests, personality and skills.

There are many organisations you can contribute to, for the causes that you believe in!



2

Volunteer

for causes that you believe in

[Click here](#) for volunteering opportunities!

3

Take an online Course of your Interest



Do you have varied interests? Or are you wondering how you can upgrade your knowledge and skills?

Check out the [MySkillsFuture Portal Calendar](#) for upcoming courses and events by industry partners or Post-Secondary Education Institutions (PSEIs) / Autonomous Universities.

There are also other free online learning platforms which may meet your learning needs. Showcase yourself as an avid learner!

