



Development of Vocational and Professional Education and Training (VPET) in Hong Kong

Mrs Carrie Yau
Executive Director
Vocational Training Council
18 September 2018

OPPORTUNITIES • ACTION • SUCCESS

良機 • 實幹 • 成功

特別行政區政府
教育局

資歷架構 夥伴 嘉許典禮
Partnerships
Commendation
2018 Ceremony

QF 星級之友



Vocational Training Council



A statutory body established in

1982

13 member institutions

Thei



SHAPE

IVE



ICI

YOUTH COLLEGE
青年學院



IVDC

Shine 展亮
技能發展中心



200,000 trainees every year including

50,000 full-time students

Recognition under Hong Kong Qualifications Framework



QF Level

7 Doctorate Degree

6 Master Degree, Postgraduate Diploma, Postgraduate Certificate

5 Bachelor Degree

4 Higher Diploma / Associate Degree

3 Diploma

2 Certificate

1 Certificate

VTC Programmes

▶ Postgraduate Programmes in partnership with overseas universities

▶ Degree and Top-up Degree



▶ Higher Diploma



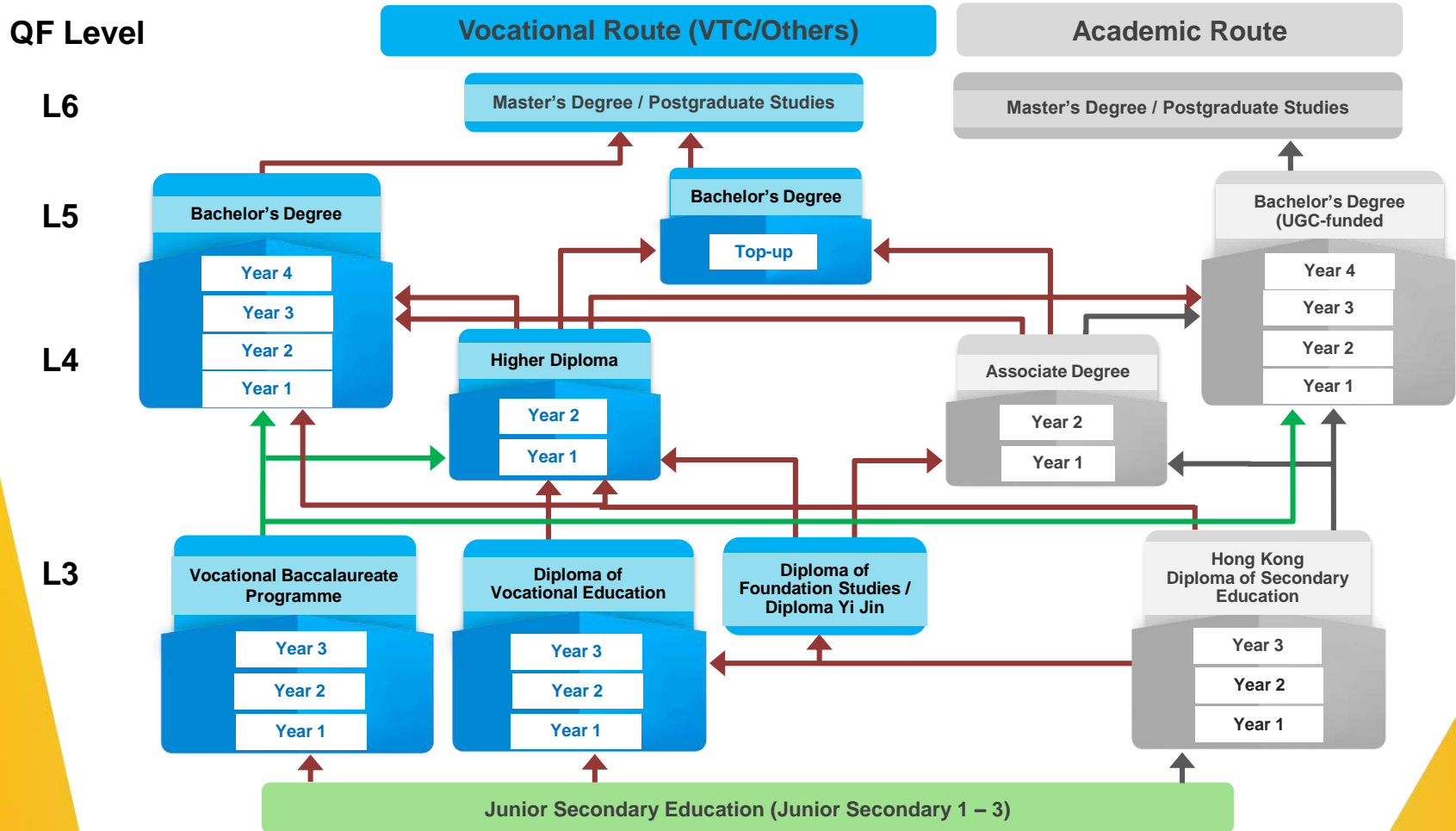
▶ Diploma of Foundation Studies, Diploma of Vocational Education

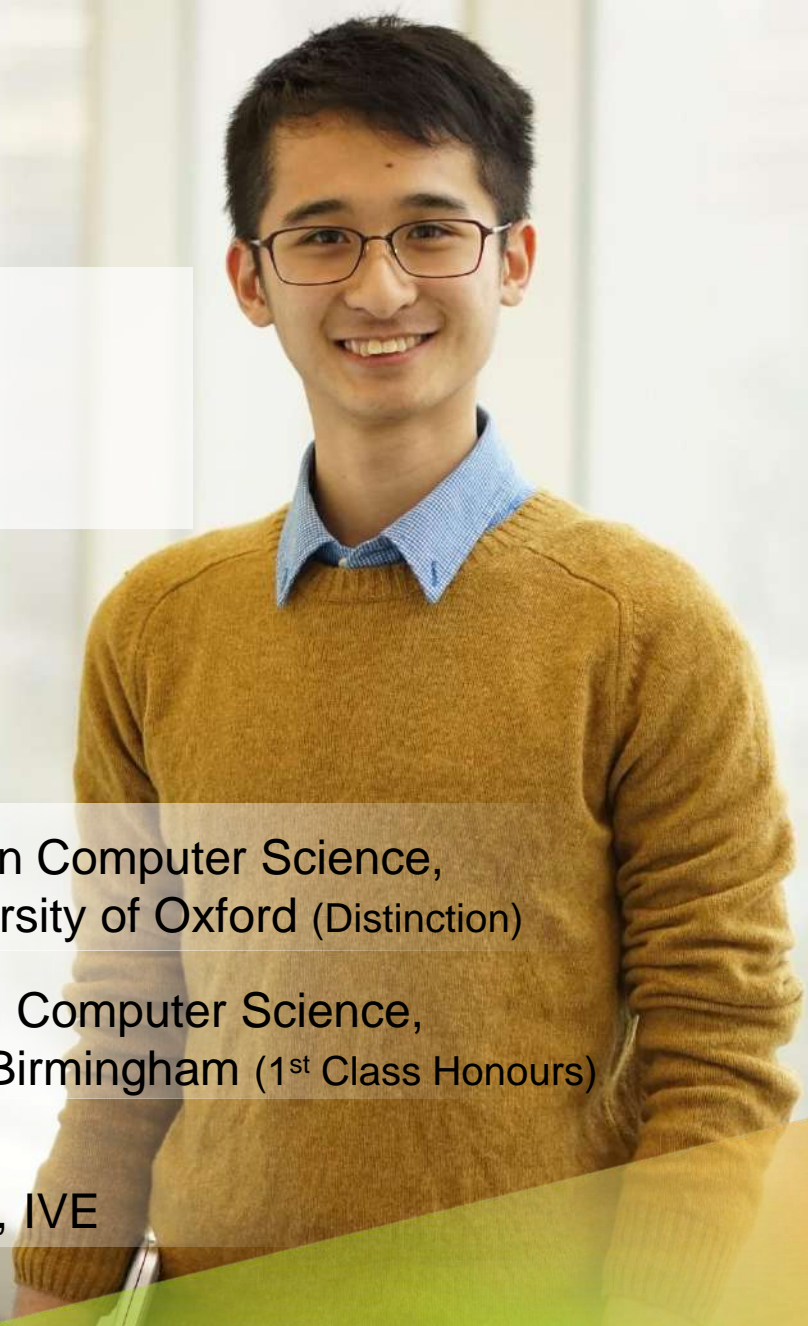


▶ Industry Certificate
Basic Craft Certificate
Technician Foundation Certification
Junior General Purpose Rating



Hong Kong Education System



A young man with short dark hair and glasses, wearing a blue collared shirt under a mustard-colored sweater, is smiling and standing in front of a large window. He is holding a folder or book in his left hand.

Isaac Lam

Software Engineer

Bloomberg

QF L6

MSc in Computer Science,
University of Oxford (Distinction)

QF L5

BSc (Hons) in Computer Science,
University of Birmingham (1st Class Honours)

QF L4

Higher Diploma in
Software Engineering, IVE

Timothy Shuen
Post-doctoral Fellow
National Cancer Centre,
Singapore

QF L7

PhD, University of Hong Kong

QF L6

MPhil in Molecular Biology,
University of Nottingham, UK

QF L5

BSc in Biotechnology,
Ulster University, UK

QF L4

Higher Diploma in Analytical Science
and Biotechnology, IVE

A photograph of Chelsia Lau, a woman with short, dark hair with a lighter side-swept fringe. She is wearing a black, long-sleeved, textured dress and a pearl necklace. She is sitting on a grey ledge, leaning forward with her hands resting on her lap. She is smiling slightly and looking towards the camera. The background is a bright, out-of-focus window with light rays.

Chelsia Lau **Chief Designer,** **Ford Motor (China) Ltd.**

QF L5

BSc (Hons) in Transportation
Design, Art Center College
of Design, USA

QF L3

Diploma in Product Design,
Lee Wai Lee Technical Institute

Key Shifts for VPET



Future of Education



2018 International Congress on VPET in Winterthur

*“Critical soft skills – what many term as **21st Century Skills** – are becoming core to education, just like numeracy and literacy skills. Because in a globalised world, national borders are now more porous than ever. Once they start work, our young will be thrust into a global working environment from the word “go”, and they must have the critical soft skills to survive.”*

*Mr. Ong Ye Kung, Minister for Education
Ministry of Education, Singapore*

6 – 8 June 2018

Future of Education



2018 International Congress on VPET in Winterthur

“Which skills for the Future?”

- √ *Professional skills*
- √ *Basic skills (literacy, numeracy)*
- √ *Soft skills, communication skills*
- √ *Problem solving*

The key is combining different types of skills in professional situations”

*Ms. Malgorzata Kuczera, OECD
Prof. Jürg Schweri, SFIVET*

6 – 8 June 2018

21st Century Essential Competencies



Trade Specific Skills



Digital Skills

**Professional Skills
Creative &
Innovation Skills**

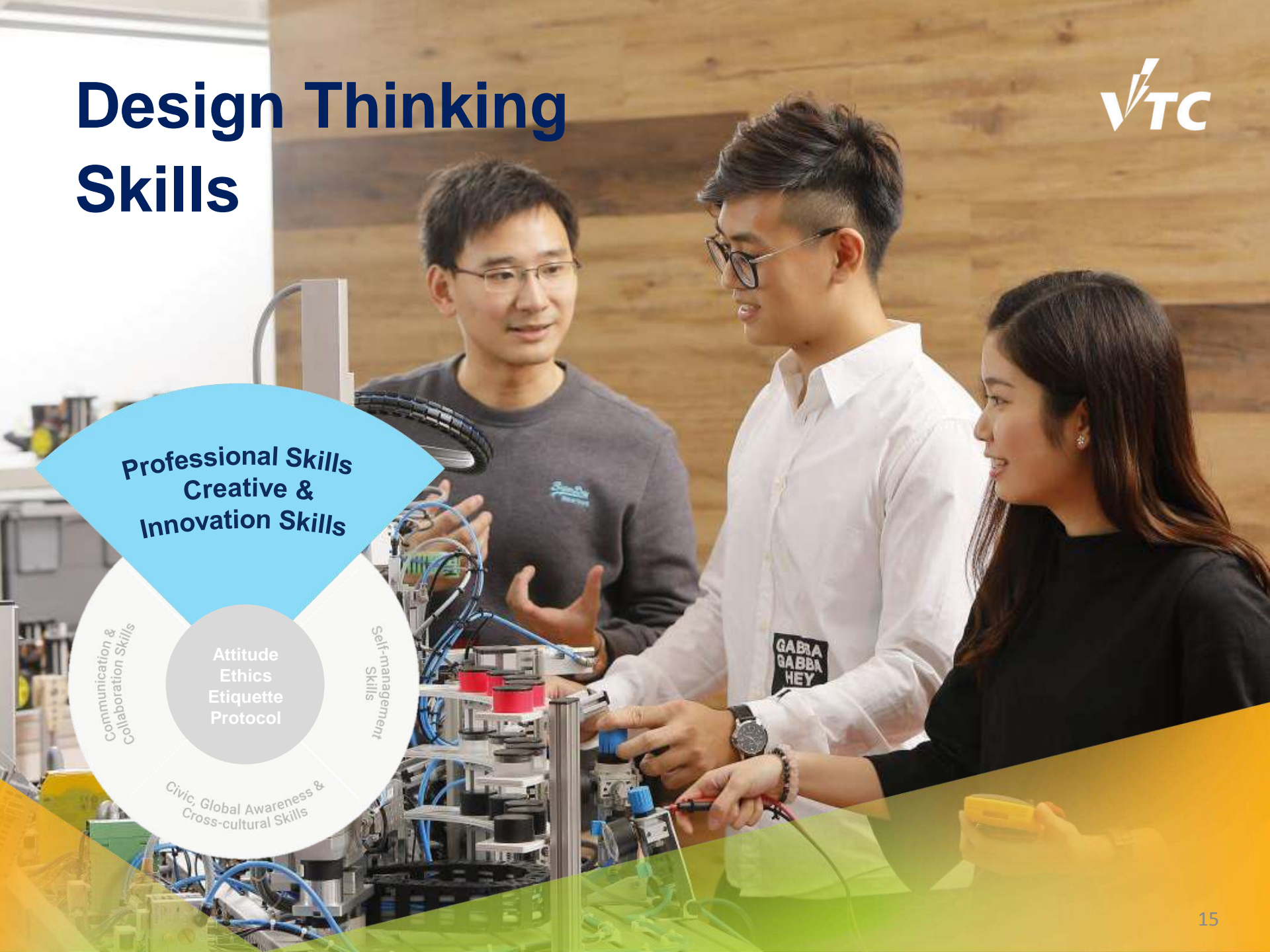
*Communication &
Collaboration Skills*

**Attitude
Ethics
Etiquette
Protocol**

*Self-management
Skills*

*Civic, Global Awareness &
Cross-cultural Skills*

Design Thinking Skills



Challenge: How could one create a scanner experience that children would love?



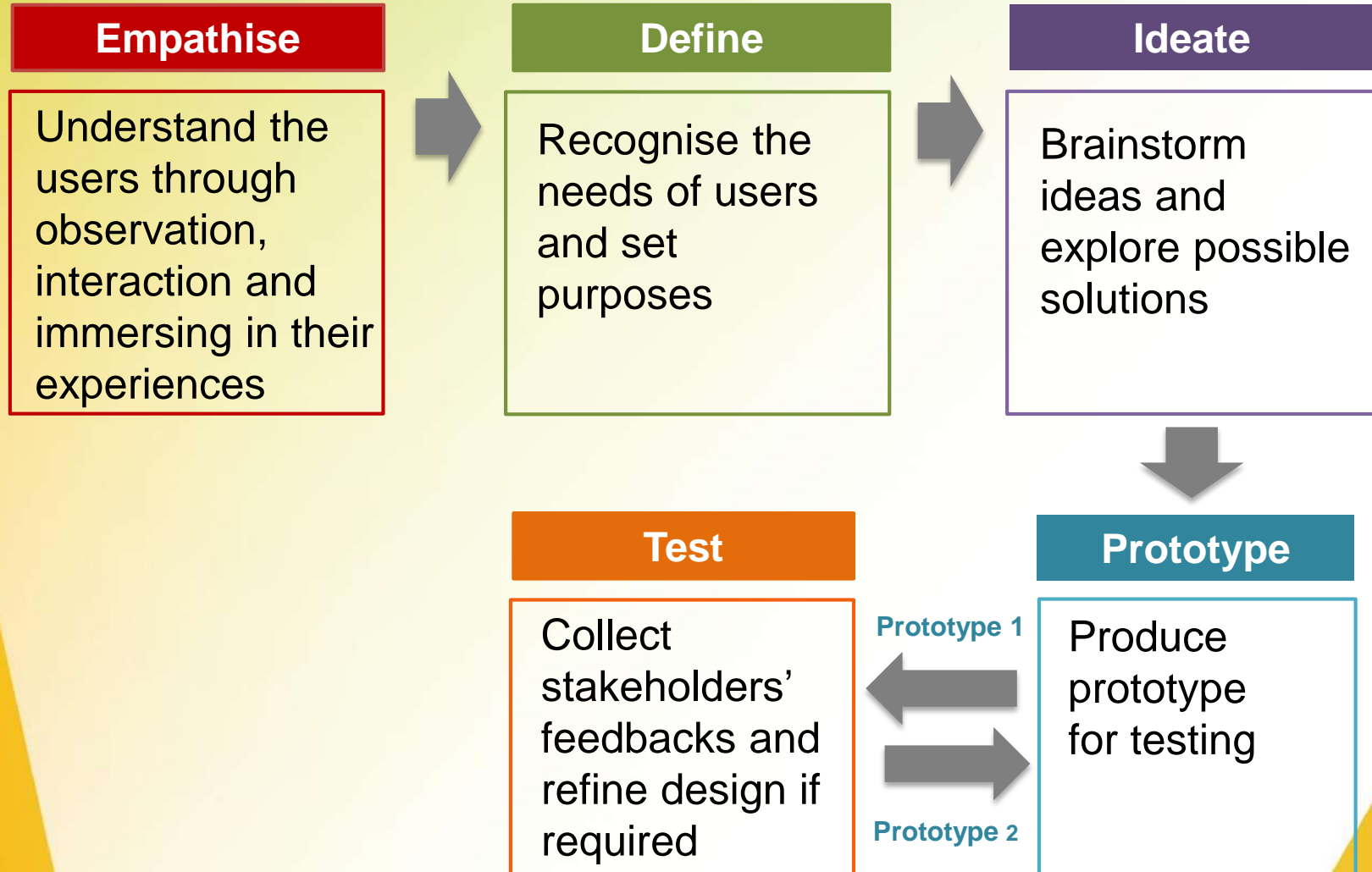
Before



After



Design Thinking Process



Design Thinking for Children



Team Management Skills



Communication & Collaboration Skills

Professional, Creative & Innovation Skills

Attitude
Ethics
Etiquette
Protocol

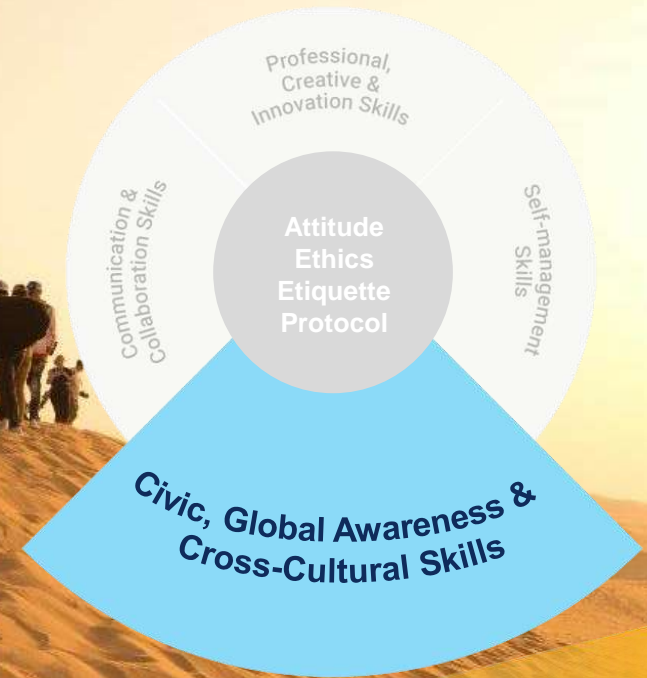
Self-management Skills

Civic, Global Awareness & Cross-cultural Skills

Self-management Skills



Getting Students Prepared for the New World



Learning in Professional Work Environment



Classroom Learning



Workplace Training

Dual-track Approach

VTC Earn & Learn Scheme



Electrical & Mechanical Engineering and Construction



Printing



Retail



Watch and Clock



Automobile



Testing and Certification



Medical Centre Operations



Food Technology and Safety



Aviation



Workplace Assessment

Learning is Fun



World Solar Challenge 2017

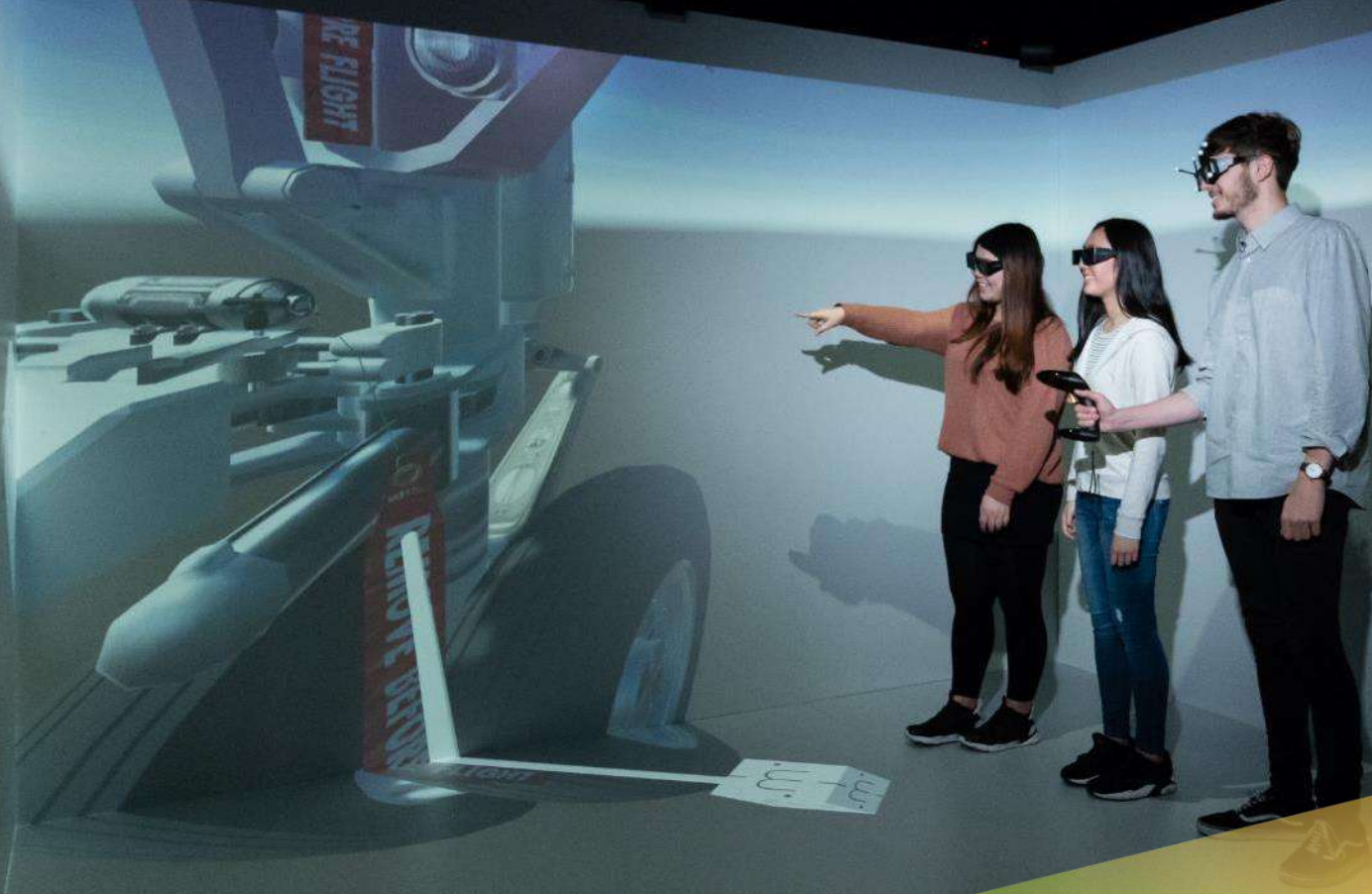


WorldSkills Competition 2017

A man in a white button-down shirt is wearing AR glasses. He is looking at a glowing, digital globe of the Earth that is surrounded by a complex network of blue lines and dots, representing data or a network. The background is a dark, futuristic environment with blue and green lighting. A yellow and green gradient shape is at the bottom of the image.

Embracing Innovation and Technology to Nurture Smart Talent

AR / VR to enhance Teaching and Learning



BIMiHub



Lifelong Learning and Upskilling

QF Framework for Lifelong Learning



- Accredited and level-rated qualifications
- Regulated and transparent
- Facilitate cross-institutional collaborations



Global Benchmarking



7 Doctorate Degree

**6 Master Degree,
Postgraduate Diploma,
Postgraduate Certificate**

5 Degree

**4 Higher Diploma /
Associate Degree**

3 Diploma

2 Certificate

1 Certificate

8 Third Cycle Degrees (Doctorate Degree)

7 Second Cycle Degrees (Master Degree)

6 First Cycle Degrees (Bachelor Degree)

5 Short Cycle Higher Education

**4 Upper Secondary General School
Leaving Certificate**

**3 Vocational Education and
Training Qualifications**

2 Lower Secondary Education Certificates

1 Primary Education Certificates

International Partnership – the Way Forward



Skills Competition



VPET Conference



STEM Students' Chat with Executives: STEM – The Pathway to Success

Convenor:

Dr Roy CHUNG Chi-ping

18th 25 Member of Advisory Committee - Vocational Training Council
Chairboard and Senior Technical Director of Technology Institute Company Limited, Hong Kong

Panel Members:

Mr Jordan CHENG Man-fai

Executive and CEO, Crystal Cable, Singapore, Southern Island, Hong Kong

Mr Nigel WHITE

General Director, Golder, Construction Limited, Hong Kong

International Students:

Ms Phoebe JAMIESON

Cell and Infrastructure Engineering, WMU, Australia

Mr Aleksi HAKKARAINEN

Information and Communications Technology, Turku University of Applied Sciences, Finland

Local Students:

Mr Roger LO

Assistant Business Director, Hong Kong Institute of Vocational Education of Asia, Chung Hong Kong

Ms Elise LO

International Engineering and Management, Technological and Higher Education Institute of Hong Kong, Hong Kong



2020 Industrial Collaboration Seminar (May 2020)



- Industry leaders to share insights and best practices in grooming skilled talent
- Concurrent events: WorldSkills Hong Kong Competition and Carnival, International STEM Students' Forum



Thank you