Vocational Training Council

OPPORTUNITIES • ACTION • SUCCESS

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Head
Centre for Learning and Teaching

Using Technologies to Enhance Blended Learning and Teaching in Vocational and Professional Education and Training (VPET)

Aim of Study

- This study addresses the possibilities of using technologies to enhance blended learning in VPET

To Blend or Not to Blend

- Effective blended learning in higher education institutions requires a good balance between theoretical lessons, online lectures and face-to-face tutorials
- However, debate rests on the blended delivery for Vocational and Professional and Education Training's (VPET) trade-specific subjects

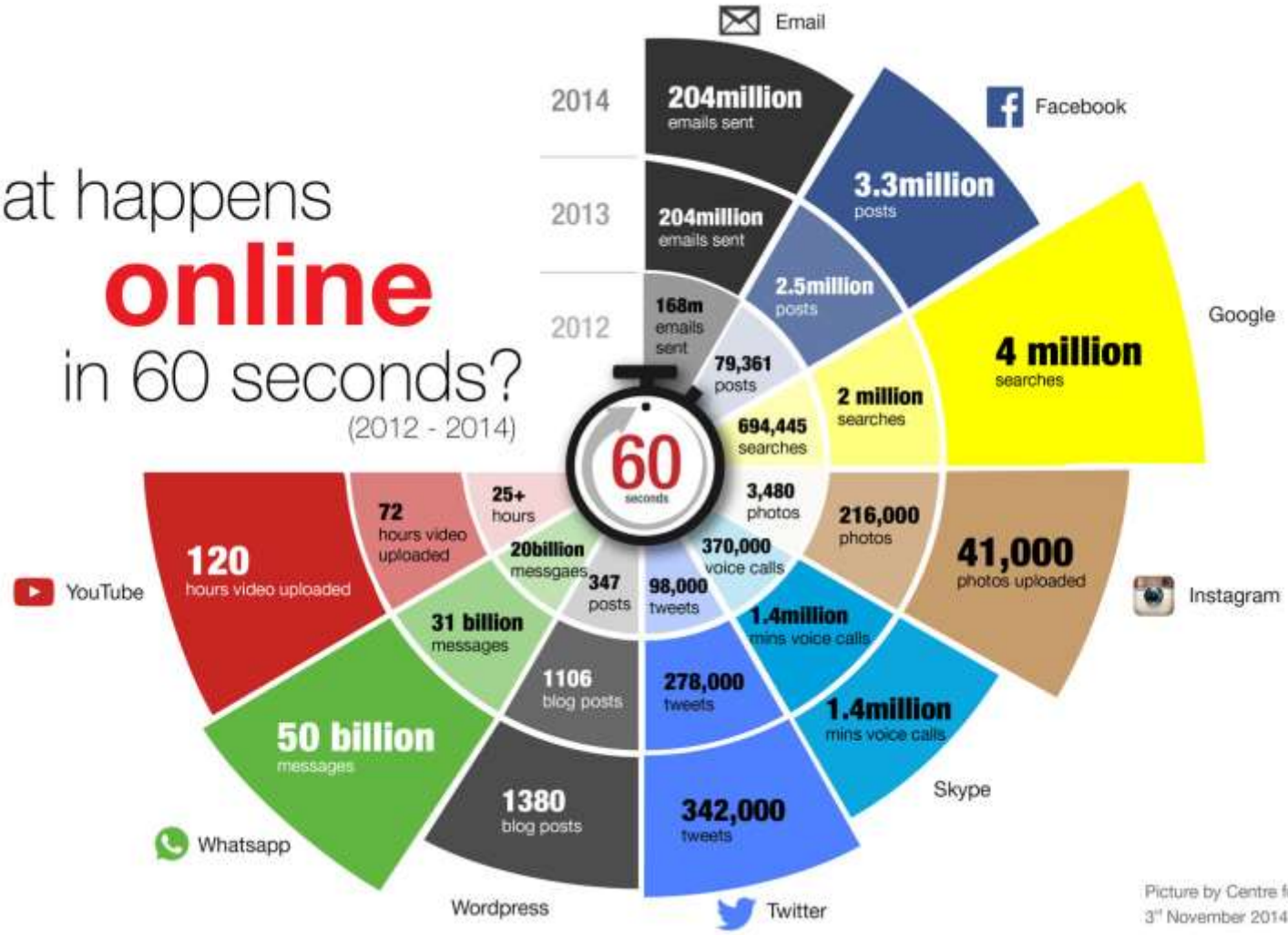
“Medium is the message” (McLuhan, 1964)

- New invention of technology is an extension of ourselves and contributes to the changes in human interactions
- Changes are multi-dimensional, addressing technological, societal and cultural aspects


Basic
Human
Needs
Self-
actualization
Creativity, Problem solving,
Authenticity, Spontaneity
Esteem
Self-esteem, Confidence, Achievement
Social Needs
Friends, Family
Safety and Security
Physiological Needs (survival)
Air, Shelter, Water, Food
WiFi

What happens **online** in 60 seconds?

(2012 - 2014)



Picture by Centre for Learning and Teaching
3rd November 2014

Study on Students' Learning Preferences

- **4117** Vocational training Council (VTC) students participated in the study in 2014
- Average number of mobile device (phone, tablet, notebook) per student: **1.82**
- All of them went online to obtain information (text, video, messages) from **website and social media**
- More than **40%** stayed online **21 to 24 hours each day**

(Centre for Learning and Teaching, VTC, 2014)

A Cross-institutional Study of Vocational Education and Training (VET) Students' Learning Needs as well as Teachers and Workplace Mentors' Teaching Practices

Quality Enhancement Supporting Scheme Project (2016)

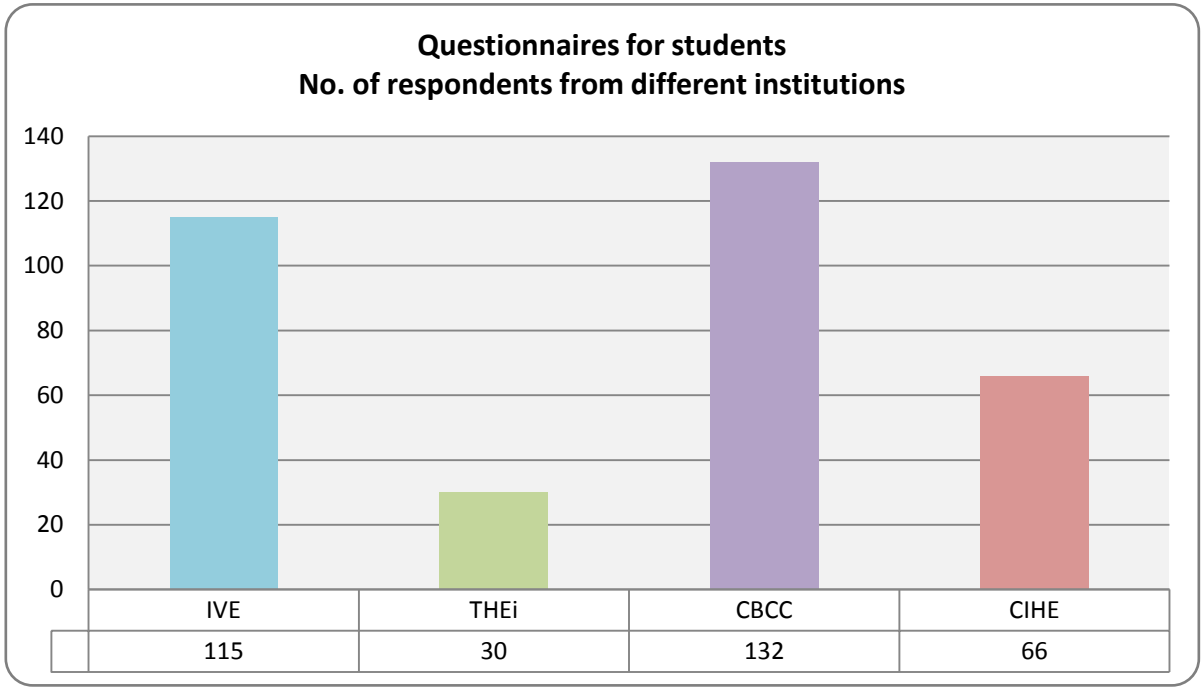
VTC

香港公開大學
THE OPEN UNIVERSITY OF HONG KONG

明愛專上學院
Caritas Institute of Higher Education
前稱「明愛徐誠斌學院」 Formerly known as Caritas Francis Hsu College

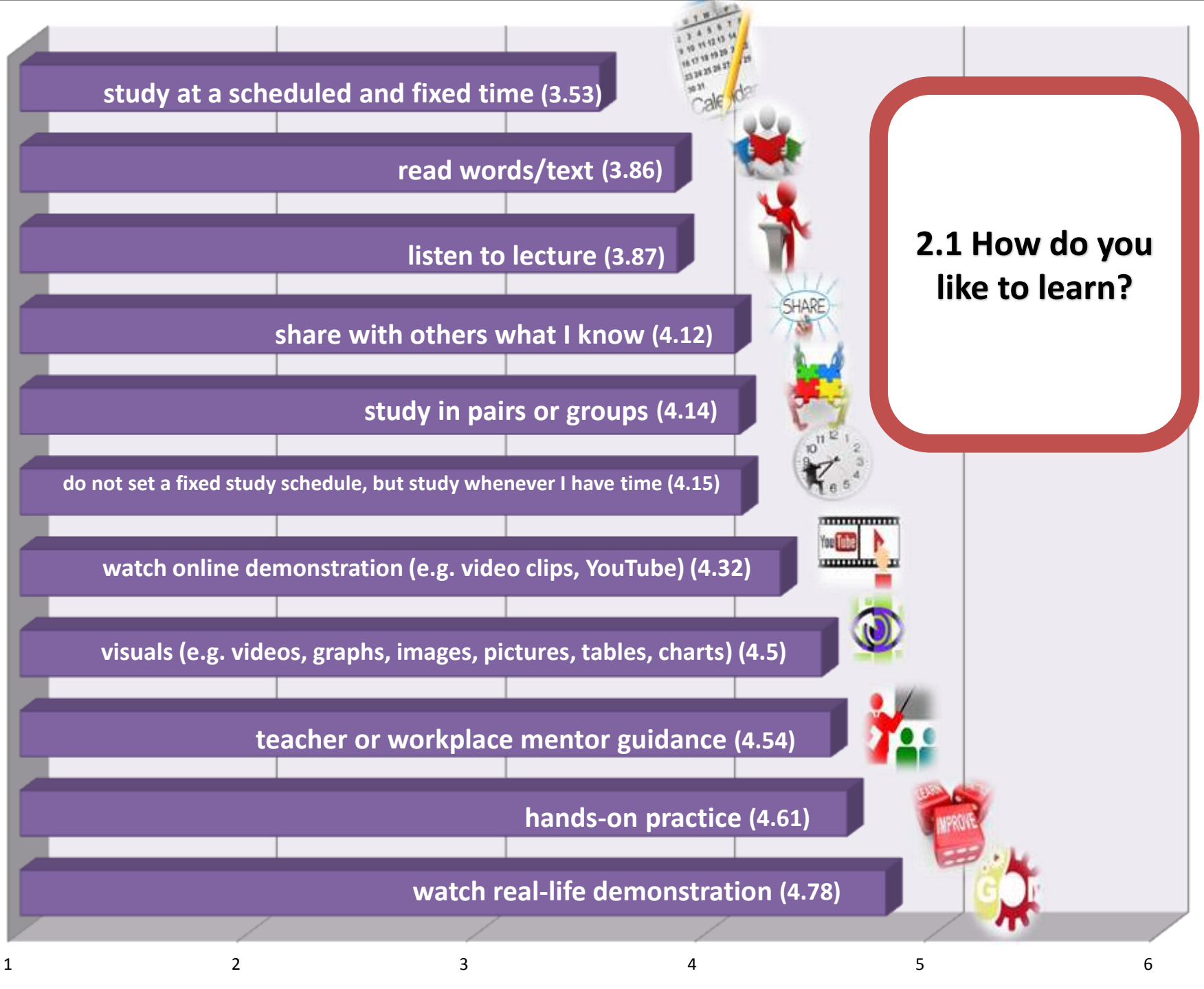
明愛白英奇專業學校
Caritas Bianchi College of Careers

Institutions and no. of students involved



- Business and Management
- Health Care & Community Services
- Hotel & Catering
- Servicing

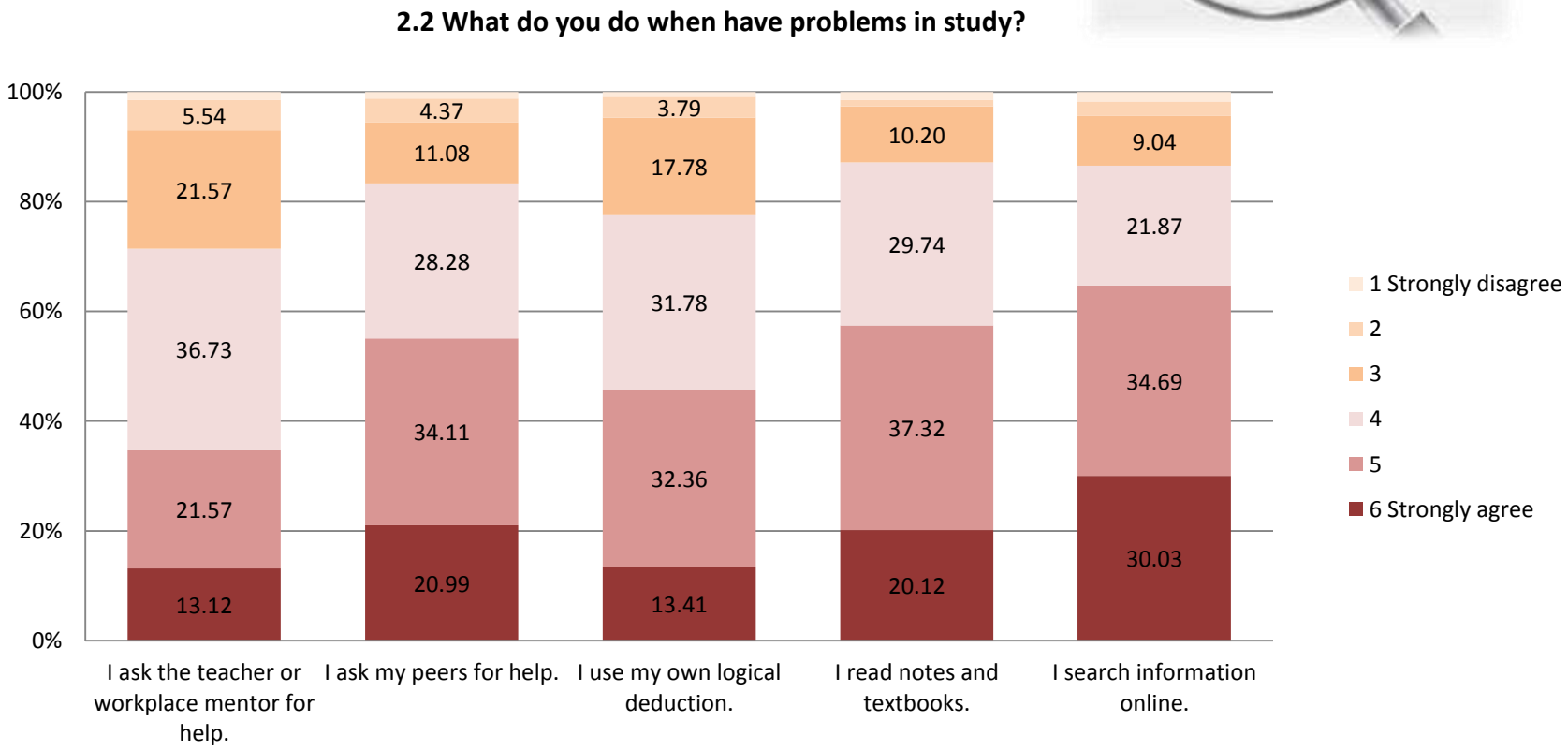
343 respondents who were of sub-degree or degree level.



2.1 How do you like to learn?

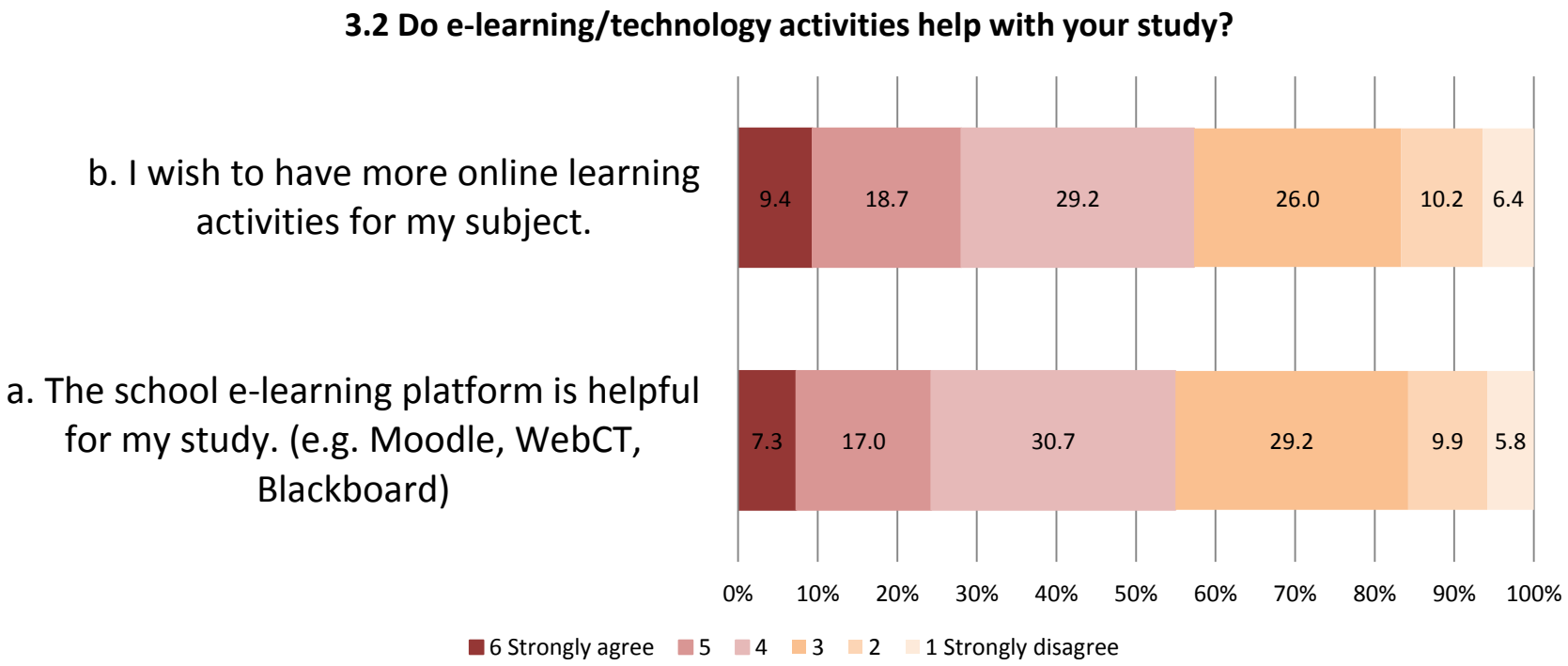
2.2 What do you do when having problems in study?

Number	Item	Agreement on 6-point Likert scale (6 being strongly agree / Always)
e	I search information online.	4.75
d	I read notes and textbooks.	4.61
b	I ask my peers for help.	4.53
c	I use my own logical deduction.	4.31
a	I ask the teacher or workplace mentor for help.	4.11



3.2 Do e-learning/teachnology activities help with your study?

Number	Item	Agreement on 6-point Likert scale (6 being strongly agree / Always)
a	The school e-learning platform is helpful for my study. *(e.g. Moodle, WebCT, Blackboard)*	3.65
b	I wish to have more online learning activities for my subject.	3.72



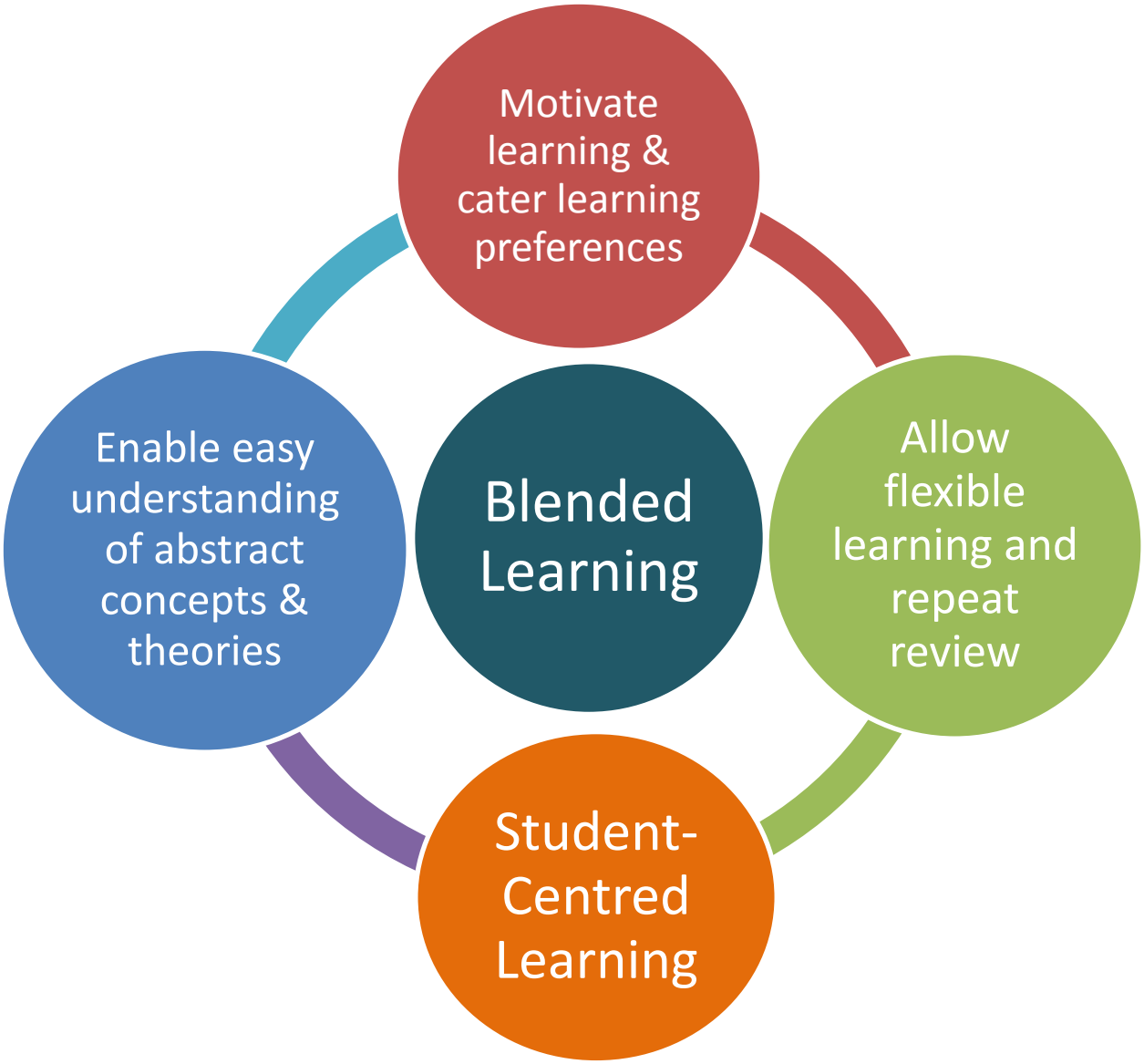
Summary	Implications
• Lecture and the use of lecture notes were prevailing. • The ranking of e-learning / use of technology used in the classroom was the lowest among other teaching and learning activities.	The adoption of e-Learning for daily teaching practices is still not widely accepted
• Students needed great flexibility, accessibility and convenience when studying. • They did not want to be confined by time and space. • Using mobile device in study became very popular.	 Learning preference and habits of students
• Searching information online became the most popular way to solve learning problems.	

Summary	Implications
• Watching real-life demo, having more hands-on practice and the guidance from teachers and workplace mentors were students' most favorable ways of learning, yet students found them not enough.	Suitable e-learning means / mobile learning 
• Students preferred collaborative learning. • Students were rather passive in seeking help from teachers or workplace mentors.	
• Students tended to learn / study using online information, yet they did not find the school e-learning platform very useful.	

Implication on Instructional Strategies

- Use videos, case reviews, self-assessments and reflections, hands-on practices, demonstrations of procedures and real-life projects to facilitate students' learning in the workplaces.
- Employ multimedia materials, such as text, images, sound and videos to create learning materials that suit learners with different learning styles and promote a higher degree of interactivity in the learning process.
- Transform the text-based learning packages into multiple representations which can suit the level, subject content, and the needs of learners.
- Blend face-to-face teaching with e-learning or mobile learning to further enhance student motivation and interaction.

Benefits of Blended Learning



Further Consideration

Perceptional

- Acceptances, willingness, readiness and mindset change of VPET's stakeholders (school management, teachers, students)

Institutional

- Implementation plan and strategies for TEL

Pedagogical

- Distribution of face-to-face and blended-learning hours and activities to best fit the nature of the trade modules

VPETCity

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Development of Effective Pedagogical Practices and a Cross-institutional Online Sharing Platform for Hong Kong's Vocational Education and Training (VET)

聯校職業培訓教育 - 創新學與教資源共享平台

Funded by QESS, EDB, HKSAR

https://sharepoint.vtc.edu.hk/vpetcity/Pages/Home.aspx

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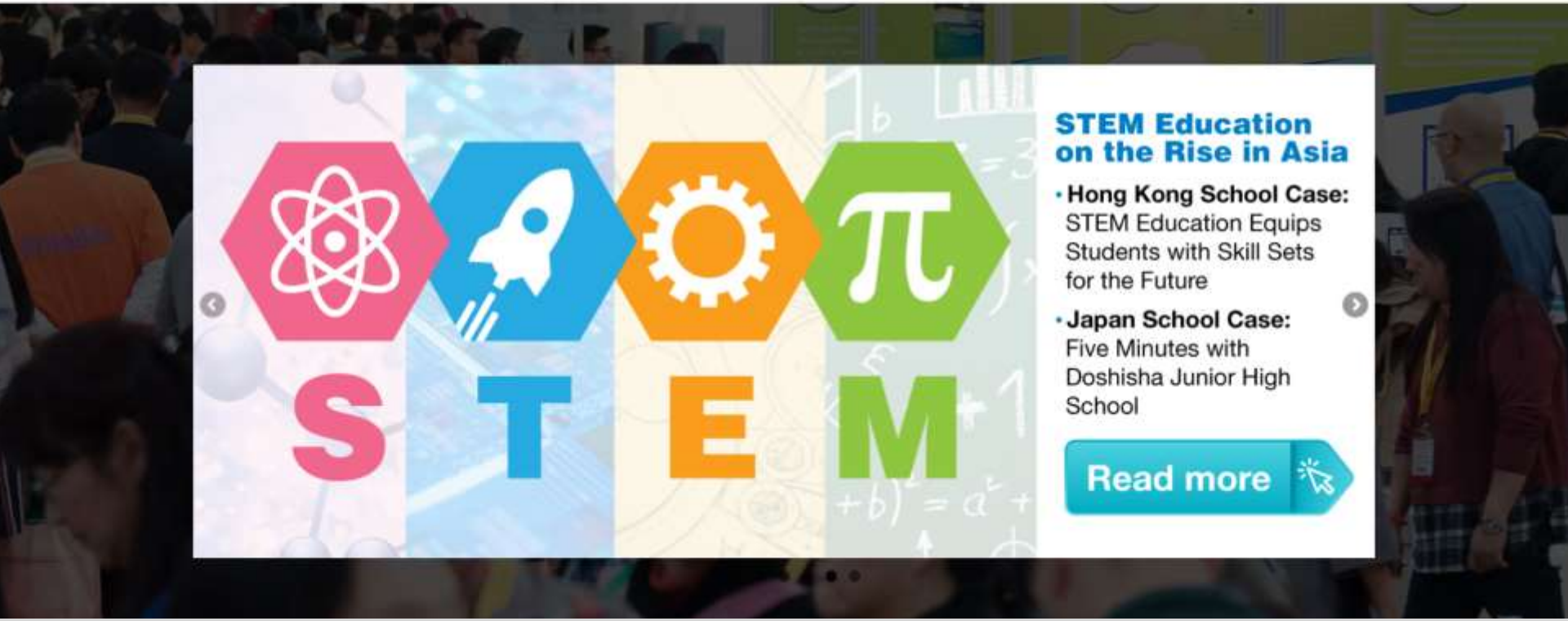
Learning & Teaching Expo 2017
學與教博覽 2017
香港會議展覽中心3CDE展覽廳

13-15 Dec 2017
Hall 3CDE, HKCEC

ABOUT | EXHIBIT | VISIT | PROGRAMMES | MEDIA | PARTNERS | English



http://ltexpo.com.hk/show/

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Strategic Partner VTC

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Innovation Classroom | Early Childhood Theatre | Robotics Challenge

Expo Info

Date and Time:
2017-12-13 (Wednesday) : 10am – 6pm
2017-12-14 (Thursday) : 10am – 6pm
2017-12-15 (Friday) : 10am – 5pm

Venue:
Hall 3CDE, Hong Kong Convention and Exhibition Centre

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VPET Theatre

VPET THEATRE

Supported by Vocational Training Council in Hong Kong, a dedicated seminar theatre will have experts and professional educators discussing the vocational education development trends, STEM in vocational education, curriculum, pedagogy, work transition and many more.

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13 DEC

OMNISCIENCE LEARNING SPACE: A NEW DIMENSION OF LEARNING

SPEAKER: DR RICKY NG, HEAD, CENTRE FOR LEARNING AND TEACHING, VTC

10:30 am - 12:00 pm

Q & A

Thank You