



# Creating a Student-Centred Digital Future

Reimagine Learning with Public-private Partnership



Fred Sheu

National Technology Officer, Microsoft Hong Kong



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As National Technology Officer at Microsoft Hong Kong, Fred Sheu supports policy decision and deliver technologically relevant and scalable solutions into Hong Kong market. His main objectives are to align IT value propositions to public policies in such areas as healthcare, education, the environment, and local social and economic development; and to promote a digital agenda in top policy areas, including innovation, security and privacy, technology neutrality, accessibility, and interoperability.

50% of my volunteering works are educational related !

- *Vice Chairman of Hong Kong General Chamber of Commerce DIT Committee*
- *Council member of Hong Kong Computer Society 2015- 2021*
- *Industry Advisor of HKUST School of Engineer*
- *Department Advisor of HKU Department of Engineering*
- *Member of Vetting Committee of Hong Kong Government ITC Funding Scheme*
- *Committee members of HKGCC Smart City committee*
- *Committee member of HKGCC GBA committee*
- *Technical Advisor of Employment Retraining Board*
- *Member of Advisor Committee of OGCIO IT-Lab*
- *Board member of CSA Hong Kong - 2019*
- *Member of Advisor of CUHK/ HKJC AI for Future program*
- *Member of HKSAR Innovation and Technology Training Board*
- *...*



Microsoft is **deeply invested** in education worldwide

**1,000+**

free learning paths to help teach technology skills

**400+**

engineers building education-specific technologies

**\$1.2B+**

in software and services donated to 90,000+ nonprofits

**\$75M+**

donated to YouthSpark to improve digital literacy for high school students

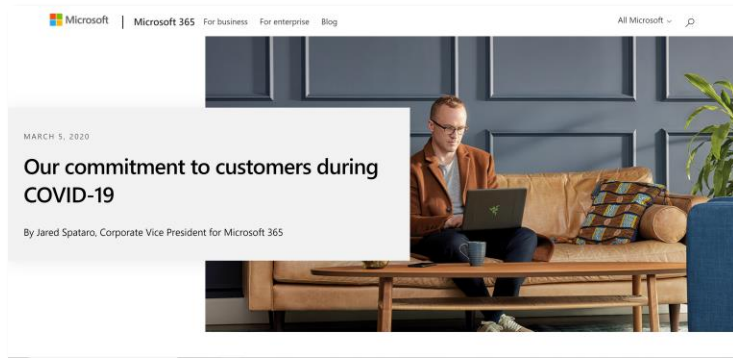
**110+ nonprofits**

in partnership with Microsoft to reach millions of learners

# We're helping schools through the COVID-19 crisis

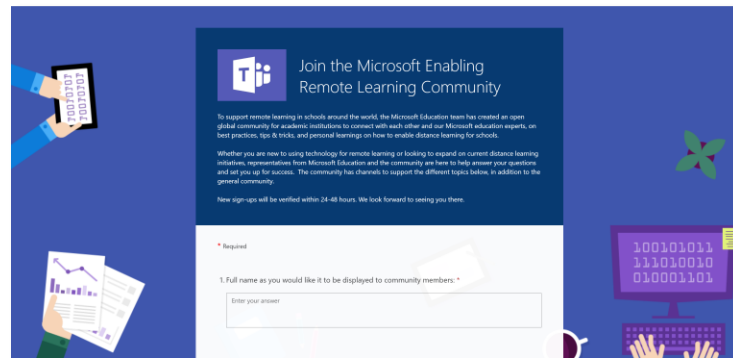
Microsoft is partnering with **schools and universities worldwide** to enable remote learning solutions.

## We're committed to invest



Office 365 A1, including Teams, is always available to schools at no cost to enable remote learning

## We're providing support



The Microsoft Enabling Remote Learning Team is providing round-the-clock support to users

## We're giving globally



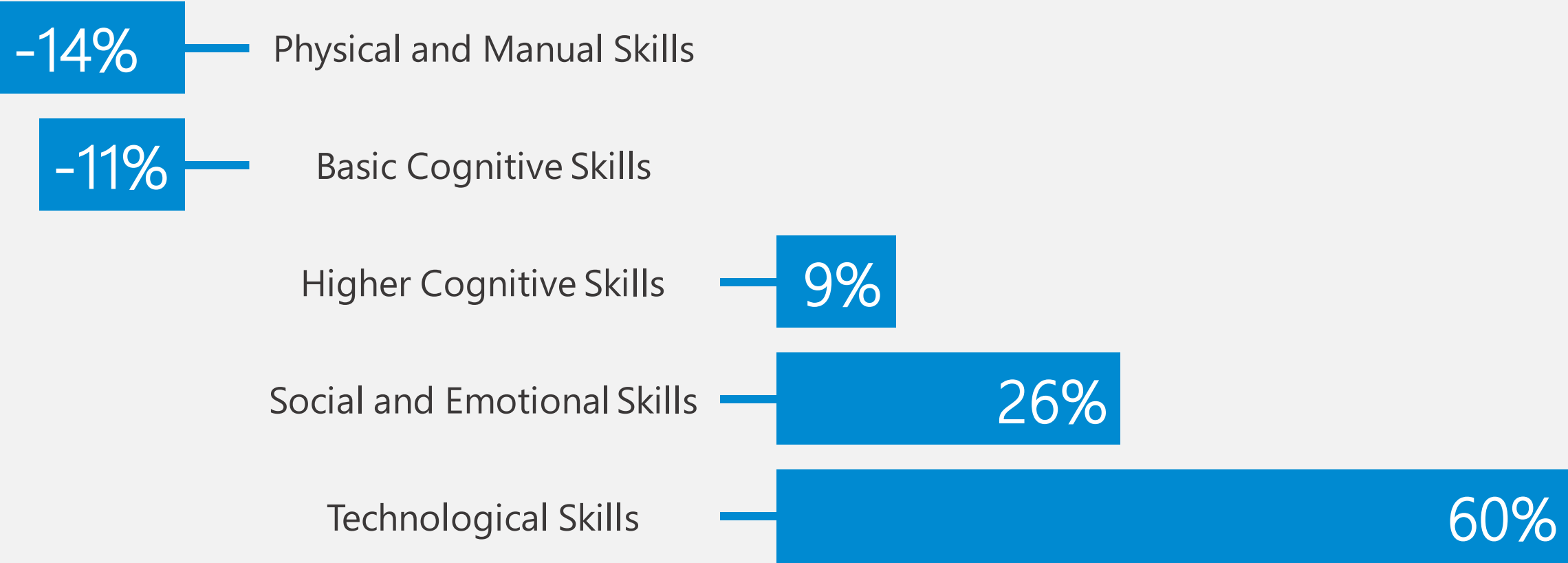
Microsoft has lent technical support to the UNESCO COVID-19 Emergency Task Force



# THE FUTURE OF WORK HAS CHANGED



# THE SHIFTING DEMAND FOR SKILLS IN 2030

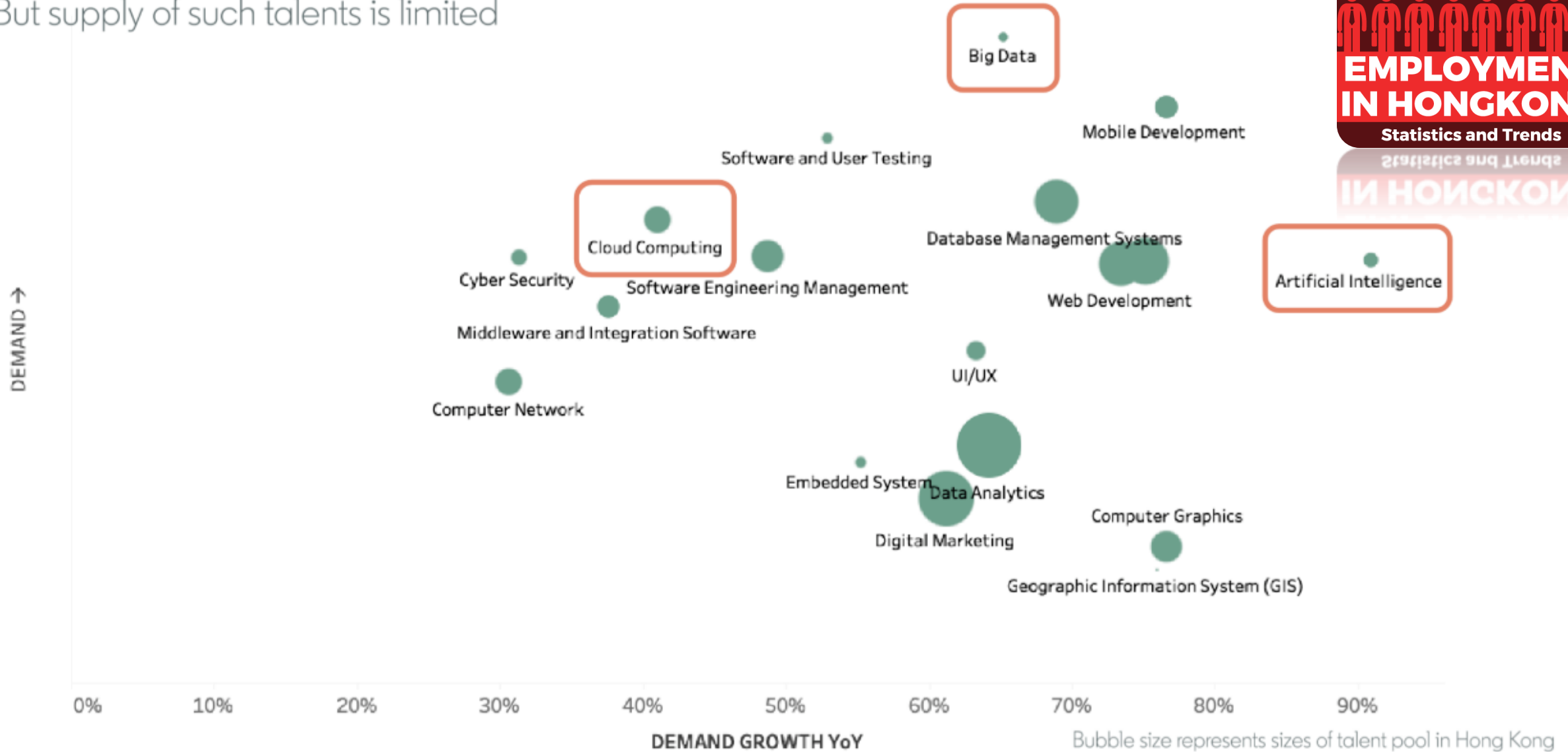


Source: McKinsey Global Institute Workforce Skills Model

Updated on March 2019

# AI & Big Data are great in demand in Hong Kong

But supply of such talents is limited



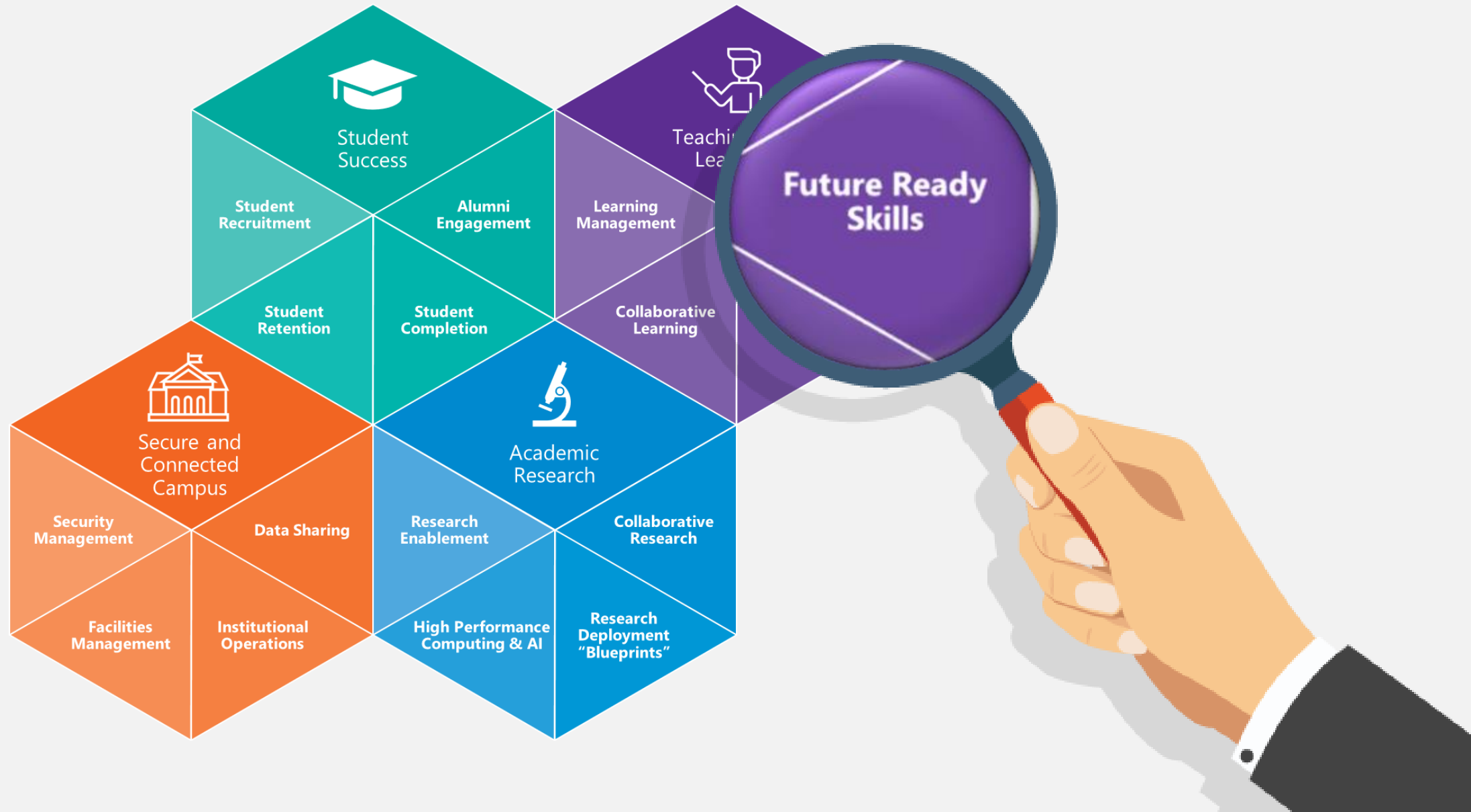
# 74%

Of employees say that they have not mastered the skills they need for their job today





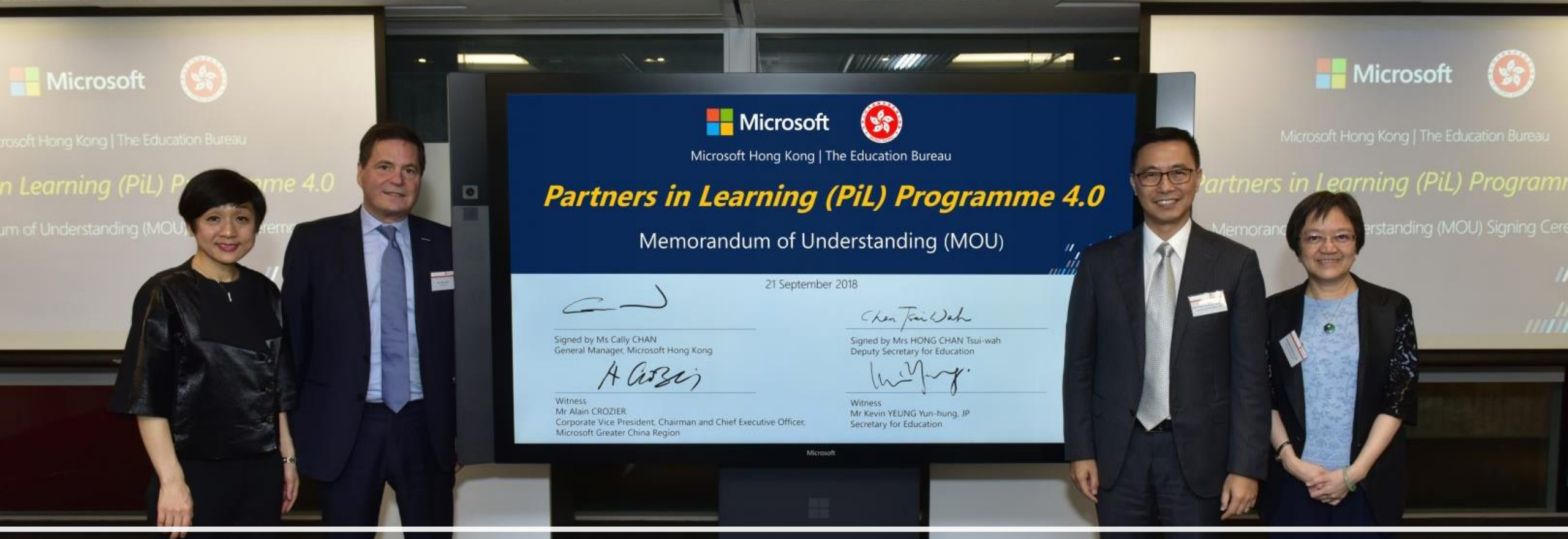
# MICROSOFT EDUCATION TRANSFORMATION FRAMEWORK





# Partner in Learning





Microsoft and Education Bureau Jointly Prepare Teachers and Students to be Future Ready

# Hong Kong Partners in Learning

Microsoft Hong Kong launched #FutureReady Limitless Learning to enable remote learning across Hong Kong

- ✓ Enabled all teachers and students for all schools in Hong Kong to use Office 365 Education on a complimentary basis
- ✓ Supported local schools in setting up and using collaborative tools like Office 365 and Teams, allowing classes to be conducted in real-time
- ✓ Held trainings to empower local educators to conduct lessons, including weekly webinars for teachers and training for IT practitioners



*"It is reassuring and encouraging to see how technology can transform and elevate education with greater agility and flexibility."*

**KENNETH CHENG**

Principal

Christian & Missionary Alliance Sun Kei Primary School

# Partner with The Education University of Hong Kong to better prepare prospective teachers with digital and technological skills (Nov 2020)

## Collaborations:

- i. Work closely on curriculum development to integrate AI education
- ii. Help to develop a new master's degree programme in AI and educational technology
- iii. Jointly conduct Student Teacher Education Program (STEP)
- iv. Support of AI Literacy Program



## 教大微軟籌辦AI教育科技碩士 培育未來教師

2020-11-02



【明報專訊】為提升未來教師的數碼及科技素養，教育大學與Microsoft（微軟）香港簽訂合作備忘，推動雙方合作，包括於教大「數學教育」及「資訊及通訊科技教育」學士課程加入人工智能元素。教大亦正籌備開辦「人工智能與教育科技」碩士課程，學生修畢課程後，可報考Micro...



# Partner with Vocational Training Council to nurture talents for innovation and AI technology development

## Collaborations:

- Future Ready Skills
- Skills Certification
- AI Lab Partnership
- Smart Campus Showcase
- Industry Attachment for Students
- K12 Teaching and Learning



培育資訊科技人才 全賴與業界先驅合作

進入數碼時代，如何有效培養學生的數碼素養（Digital Literacy）能力，提升他們的數碼技能，以及對新科技如數據科學、人工智能、物聯網等的認識成為焦點。世界各地院校均加強與業界協作，結合課堂知識及業界的經驗，為社會培育優秀的創科人才。



職業訓練局（VTC）資訊科技學術總監梁興邦博士（右）與Microsoft香港區域科技長許連發（左）日前簽署合作備忘錄，共同推動「創新科技及人工智能應用專才培育計劃」



# Microsoft x HKACE AI Pilot School Program

- Engagement with 30+ pilot schools on AI Innovation Lab and curriculum design
- Train-the-trainer: AI-900 trainings and exams
- Training support and funding application guidance from Microsoft Global Training Partner

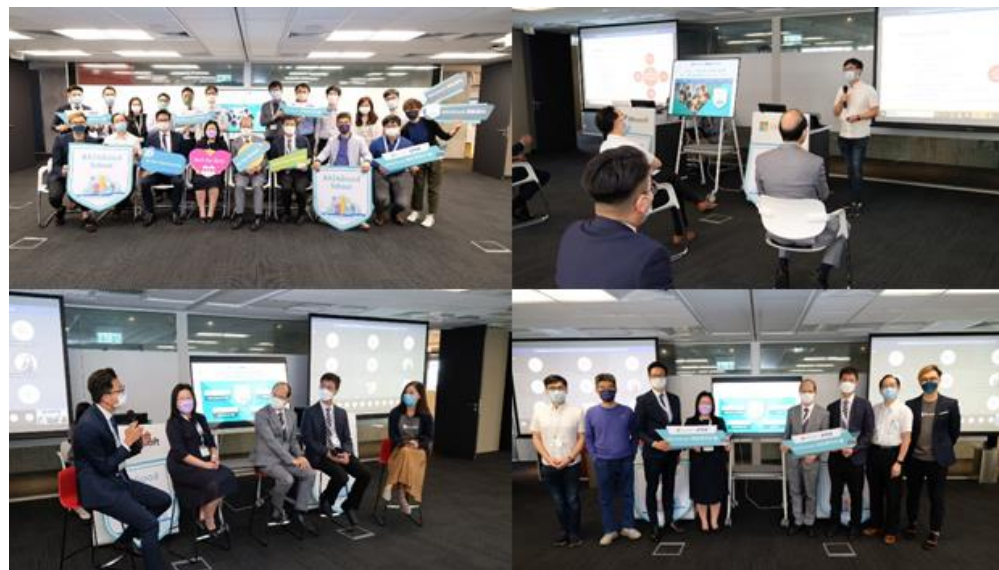


**iTLE** 資訊科技教育領袖協會  
Association of I.T. Leaders in Education



# Microsoft x AiTLE #AI4Good Program

- Development of 4 AI for Good projects with 4 schools to build hero cases on meaningful AI Education model with Microsoft technologies and tools
- Advice from Microsoft and Microsoft Global Training Partner on project planning and IT Inno Lab funding application (with Microsoft AI curriculum framework, Azure Services, PowerApps, Minecraft Education Edition, and Surface devices)



香港電腦教育學會  
The Hong Kong Association  
for Computer Education








# 教與學博覽 2021

## Learning and Teaching Expo

 8-10, Dec 2021 |  Booth J31, Hall 3CDE, HKCEC



✦ 凡參觀MS EDU展位的同工更可獲贈精美口罩收納袋乙個。先到先得，送完即止。

A photograph of three young students, two girls and one boy, gathered around a table. They are looking at a tablet computer. One girl in a purple hoodie is using a white marker to interact with the tablet. The boy in a grey hoodie is leaning in from the left, and another girl is in the background. The scene is dimly lit, focusing on the students and their activity.

**Together we  
Empower every student  
to achieve more**

THANK YOU

