



# The Role of Artificial Intelligence in Shaping the Future of Learning

**Fred Sheu**

NTO, Microsoft Hong Kong

# The AI technology is here.

# How can you leverage it?



**New Bing with ChatGPT brings the power of AI to Microsoft's signature search engine**



**How AI Is Shaping the Future of Higher Ed**

M'hammed Abdous considers the myriad ways artificial intelligence is transforming higher education's administrative, teaching and research practices.



MICROSOFT / TECH / ARTIFICIAL INTELLIGENCE

**Microsoft launches Azure OpenAI service with ChatGPT coming soon /** ChatGPT is coming to this Azure service soon, as businesses get to use new AI models in their own apps.



CLASSROOM TECHNOLOGY EXPLAINER

**What Is ChatGPT and How Is It Used in Education?**



SOFTWARE

**Microsoft Makes a Major Investment in ChatGPT Tech**

A multibillion-dollar agreement with OpenAI aims to bring artificial intelligence capabilities to Microsoft tools and the Bing search engine.



LIVING → EDUCATION — March 8, 2023

**An inside look at a 5th grade classroom using ChatGPT**

# ChatGPT





“We formed our partnership with OpenAI around a shared ambition to responsibly advance cutting-edge AI research and democratize AI as a new technology platform,” said Satya Nadella, Chairman and CEO, Microsoft. “In this next phase of our partnership, developers and organizations across industries will have access to the best AI infrastructure, models, and toolchain with Azure to build and run their applications”



Supercomputing  
at scale



New AI-powered  
experiences



Exclusive cloud  
provider

The Role of Artificial Intelligence in Shaping the Future of Learning in 5 short bullets

- ✓ Searching for: **artificial intelligence in education**
- ✓ Generating answers for you...

Your personal and company data are protected in this chat

Here are some possible roles of artificial intelligence in shaping the future of learning in 5 short bullets:

- AI can help foster the skills students will need to navigate and shape the future, such as agency, awareness, critical thinking, problem-solving, connectedness, and well-being <sup>1</sup>.
- AI can help personalize learning for each student, by providing adaptive feedback, customized content, and tailored pathways <sup>1</sup>.
- AI can help augment human intelligence, by complementing and enhancing human skills and performance, rather than replacing them <sup>2</sup>.
- AI can help democratize learning, by expanding access to quality education and reducing inequalities and barriers <sup>3</sup>.
- AI can help innovate learning, by creating new modes and methods of teaching and learning, such as generative AI, immersive simulations, and interactive games <sup>1 2</sup>.

Learn more: 1. weforum.org 2. gse.harvard.edu 3. unesco.org 1 of 30 responses ●

- ? What are some examples of AI in education?
- How can we ensure the ethical use of AI in learning?
- What is generative AI?

Your personal and company data are protected in this chat

Ask me anything...

0/4000

Feedback

- 1 ★
- 2
- 3
- 4 ★
- 5 ★
- 6 ★
- 7 ★
- 8 ★
- 9 ★
- 10 ★
- 11 ★
- 12

## The Impact of Artificial Intelligence on the Future of Learning

- Artificial Intelligence (AI) is revolutionizing the education sector by providing new ways to personalize and streamline the learning process.
- AI-powered tools can help educators create more engaging and effective learning experiences for students.
- AI can provide insights into student performance and help teachers pinpoint areas where students need more support.
- The role of AI in education is poised to grow in the coming years, as more schools and institutions embrace this innovative technology.
- AI has the potential to transform education by providing better access to high-quality learning resources and more personalized learning experiences.



Artificial Intelligence has the potential to transform the education industry by providing new ways of personalizing and streamlining the learning process. AI-powered tools can help educators create more engaging and effective learning experiences for students, while providing insights into student performance that can help teachers pinpoint areas where students need more support. Moving forward, the role of AI in education is poised to grow as more schools and institutions embrace this innovative technology.

### Copilot

OK, I stopped generating content.  
AI-generated content may be incorrect

add a slide about "The role of AI in shaping the future of learning"

Here you go.  
If you'd like, **Designer** also has other layout options to consider.  
AI-generated content may be incorrect

OK, here you go. A slide about "The role of AI in shaping the future of learning" has been added.  
AI-generated content may be incorrect

Ask a question or make a request.  
0/2000



# The Impact of Artificial Intelligence on the Future of Learning

---

- Artificial Intelligence (AI) is revolutionizing the education sector by providing new ways to personalize and streamline the learning process.
- AI-powered tools can help educators create more engaging and effective learning experiences for students.
- AI can provide insights into student performance and help teachers pinpoint areas where students need more support.
- The role of AI in education is poised to grow in the coming years, as more schools and institutions embrace this innovative technology.
- AI has the potential to transform education by providing better access to high-quality learning resources and more personalized learning experiences.





Copilot

Summarize all my emails about ...

New chat



February 1, 2024 at 11:08 AM

Summarize all my emails about HKBU School Principals day

Here is a summary of your emails about HKBU School Principals Day:

- On Monday afternoon, [Joanne CHAN](#) sent an email to [Couby Lee \(MANPOWER SERVICES HONG KONG\)](#) confirming that the speaking session would be during 9:30am – 11:30am. <sup>1</sup>
- On last Tuesday, [Couby Lee \(MANPOWER SERVICES HONG KONG\)](#) sent an email to [Joanne CHAN](#) thanking her for the detailed information and agreeing for HKBU to use Fred’s image, profile, presentation, and recorded materials for promotional and marketing communications and non-commercial purposes. <sup>2</sup>
- On last Tuesday, [Bobo Wong](#) sent an email to [Couby Lee \(MANPOWER SERVICES HONG KONG\)](#), [Michelle Chan](#), and [Bosco Ip](#), stating that they usually do not sign any agreement for speaking opportunities and suggest granting consent via email. <sup>3</sup>

Copy

3 references



1/30 AI-generated content may be incorrect



Summarize emails from Joanne CHAN

Make this more concise

Tell me more about HKBU School Principals Day







to know?

Copy

1 reference ▾

2/30 AI-generated content may be incorrect

February 1, 2024 at 11:16 AM

what do i need to prepare for the HKBU School Principals Day

You have a speaking session tomorrow morning at 9 AM for HKBU School Principals Day 2024. The session will last until 11 AM and will include presentations from two plenary speakers, discussions, and Q&A sessions. You will be speaking on the topic of Technology. A parking space has been reserved for you at Car Park C. <sup>1</sup> Is there anything else you would like to know?

Copy

1 reference ▾

3/30 AI-generated content may be incorrect

What are the topics of the other plenary speakers?

Can you provide more details about the discussions and Q&A sessions?

What should I include in my presentation?



Hong Kong / Education

# Hong Kong rolls out first AI curriculum for junior secondary students, including lessons on ChatGPT, with ‘lives definitely affected by artificial intelligence’

- Students expected to learn basic AI concepts, computer vision, speech and language, robotic reasoning, AI ethical issues, and the technology’s impact on society
- They will also be taught to generate pictures and write letters with mirror sites of ChatGPT

 [Listen to this article ▶](#)


**Education in Hong Kong** | [+ FOLLOW](#)



**Leopold Chen**

[+ FOLLOW](#)

Published: 10:07am, 23 Jun, 2023 ▾

 [Why you can trust SCMP](#)

# Customer story

教育 / 專上教育

## 港大推ChatBot解答學生選科及IT問題 相信學生不以Gen AI抄功課

撰文：盧凱儀  
出版：2023-10-16 07:30 更新：2023-10-16 12:19



生成式人工智能 (Generative AI, Gen AI) 衝擊各界，包括大專教育。香港大學於本學年 (2023/24) 起，免費為師生提供Gen AI作教學之用。針對不少人擔心Gen AI可能衍生的學術誠信問題，港大教學創新中心總監陳嘉玉教授接受「01教育」訪問時指出，現在未有工具能夠準確檢測學生作品是否有使用Gen AI，所以教師不會依賴該些工具作相關檢測。她又強調學校視學生為伙伴，而且學生入讀港大的目標是求學，對學生誠信有信心。



熱門文章



政府擬增八大非本地生學額至 預料會照顧本地學生利益

## 全面展開生成式AI應用 重塑學術界

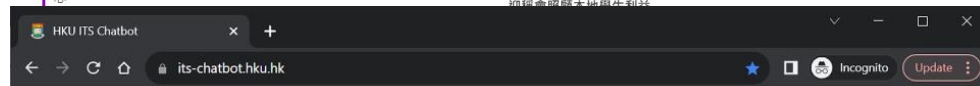
soft Hong Kong



香港大學協理副校長(教學)趙寶麟教授視此為大學重塑教學模式的機會。

香港大學是一所以研究為主導的世界級綜合大學，成立於1911年，是香港歷史最悠久的大學，並以其醫學院而聞名。根據2024年QS排名，港大被評為香港頂尖大學，位列全球第35名。

香港大學起初於2023年初禁止使用生成式AI工具。趙表示：「我們驚訝知道禁令只是暫時性。」而於2月，便成立了由教職員、



Information Technology Services  
The University of Hong Kong

### How to change my portal PIN?

You can change your HKU Portal PIN by following the steps below:

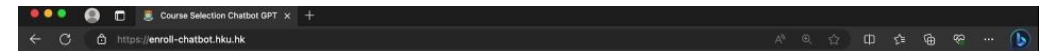
- Go to the HKU Portal login page and click on "Forgot your PIN/Passwords" or visit <https://extranet.hku.hk/itwrdpol/ser/let/recoverPassword>

Type a new question (e.g. how to reset the portal PIN?)

### Citation

Information Technology Services  
The University of Hong Kong

- Click the link "Forgot your PIN/Passwords" under the login page of HKU Portal or <https://extranet.hku.hk/itpwdpol/ser>
- Enter your HKU Portal UID and Staff/Student No. and the 5-character string shown in the picture and click "submit".
- Click "Mobile phone (SMS)".
- A 6-digit verification code will be sent to your registered mobile phone number. Please enter the code in the online form within 10 minutes.



香港大學 THE UNIVERSITY OF HONG KONG  
Information Technology Services

## UG Course Selection Chatbot GPT

(2023-2024) - v3.0

Example: Is there any subclass for me to choose if I want to take COMP2119 on Thursdays in sem 1?

When can year 2 start selecting courses for semester 1 in the course selection period?

Now, let's say you're planning your class timetable and want

Year 2 students (Second Year) can start selecting courses for semester 1 in the course selection period on Aug 2, 2023 at 2:00 p.m.

Citations: 1. 202324\_Course\_Selection\_Schedule\_for\_UG.pdf

Disclaimer: This is an experimental service, and the answers generated may be inaccurate or incomplete. Please submit your enquiries to [ithelp@hku.hk](mailto:ithelp@hku.hk) if you face any problems or are unsure about the generated answers.

... and much more

Use it as a smarter search engine.

Create writing prompts.

Generate reading passages.

Teach vocabulary.

Make lists.

Write notes to parents.

Create math problems.

Practice peer feedback.

## Limitless generation with a few lines of input

Provide examples.

Generate basic lesson plans.

Writing assistance

Prepare for tough conversations.

Generate questions for discussions or essays.

Find ways to help struggling students.

Check your answers.

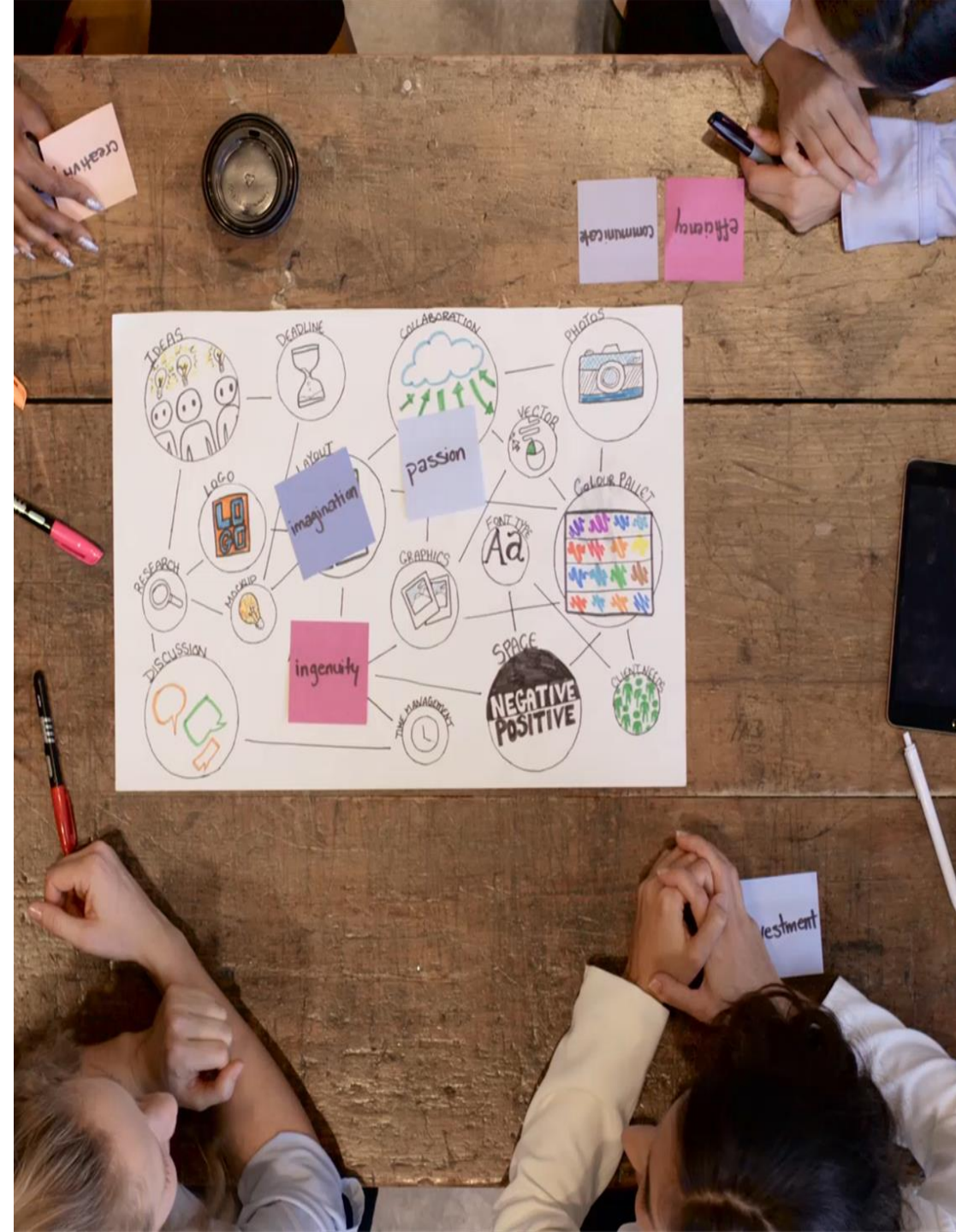
Get review questions to check for understanding.

Get help with recommendation letters.



# The Age of AI

- Make a **policy on AI usage** for each of your courses
- Focus on the **process** instead of the final product
- Incorporate **project-based learning** scenarios
- Ask students to **show and tell**
- Quiz students on their **own work**
- Teach **AI ethics**
- Encourage **Fact checking**
- New **Prompting** skill for future job opportunities





AP photo

**Elementary school teachers picket against use of calculators in grade school**  
The teachers feel if students use calculators too early, they won't learn math concepts

# Math teachers protest against calculator use

By JILL LAWRENCE

"My older kids don't pay any attention to an answer being absurd. strate," he said. "Teachers are shy."

Embracing AI as your teaching copilot, you could make your own life as a teacher a little easier?

Don't be afraid of AI like ChatGPT



# GenAI classroom toolkit

Learn / Learn /

## Unlock generative AI safely and responsibly— classroom toolkit

Article • 12/15/2023 • 1 contributor

Feedback

### In this article

Use this resource  
Resources

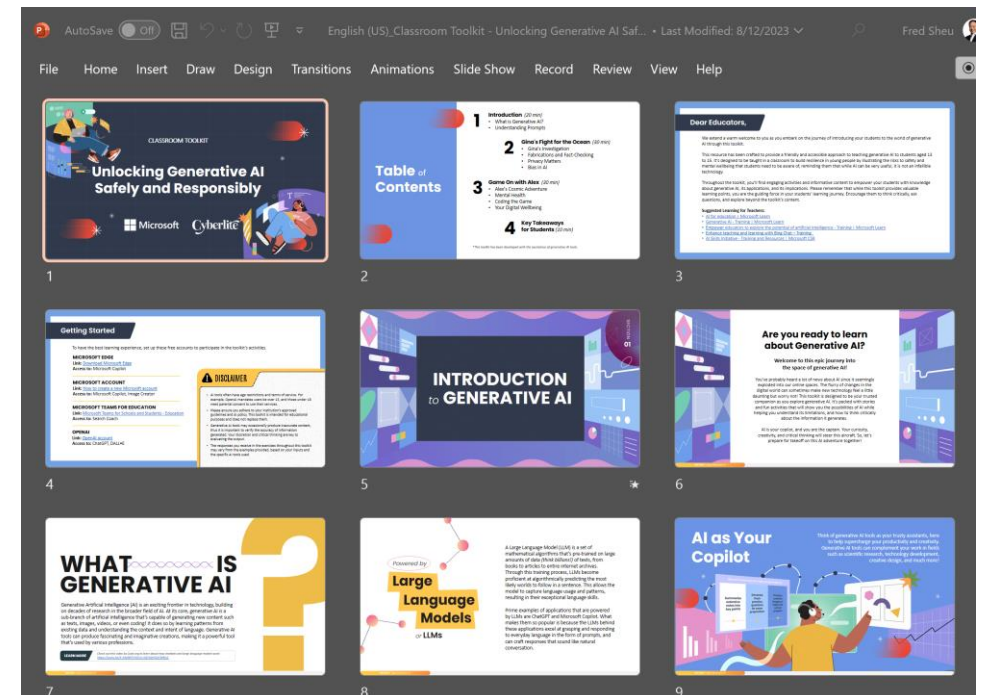
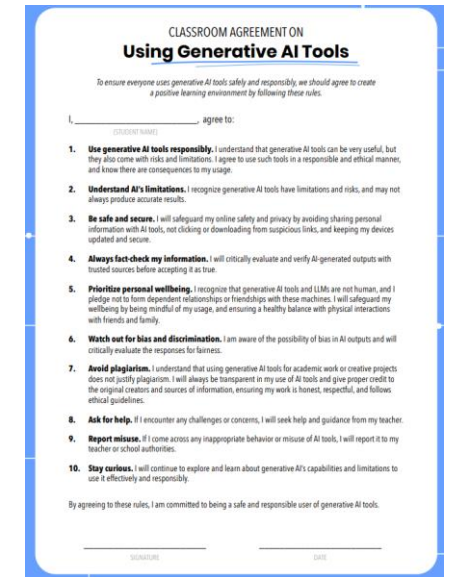
Generative AI has become a popular topic in recent times, with both excitement about the potential of new tools, and concern about their impact. It's clear that generative AI has the potential to bring vast opportunities in the field of education, and Microsoft is excited to support educators around the world to harness generative AI's benefits.

Like with any new technology, it's crucial that students are educated and empowered to use generative AI in a responsible way. As with any online experience, digital literacy skills and online safety principles are key in building resilience in students to use these tools effectively.

The **Classroom toolkit: Unlocking generative AI safely and responsibly** is a creative resource that blends engaging narrative stories with instructional information to create an immersive and effective learning experience for educators and students aged 13-15 years.

The toolkit is designed to assist educators in initiating important conversations about responsible AI practices in the classroom, such as the critical topics of content fabrications, privacy considerations, bias awareness, and mental wellbeing.

Use this resource





# Thank You

Prompt: "Teacher with a cup of coffee in front of an art-deco style school building"