

Gifted Education School Network 2022/23
KLA/ Cluster: English Language (Secondary)
Lesson Design

Appendix B

Stakeholder Reading Material

Set A

You are a teacher in a secondary school in Hong Kong. Read the following excerpt to learn more about ChatGPT.

Is ChatGPT the future of learning?

Frederick Fong Tsz-ho, an associate professor in Mathematics at HKUST, encouraged students to treat the tool as “a dynamic, friendly, and modern version of the encyclopedia”. But he said that the content could be wrong sometimes.

“In my Maths courses, it is perfectly OK that students use ChatGPT in their homework. They just need to point out that their answers were AI-generated, and that they have fact-checked the accuracy of the information,” he said.

“I am not worried about students blindly copying AI-generated answers in my homework as they are most likely inaccurate, and sometimes, it does not answer the questions. It just quotes ideas from Wikipedia.”

“Why should we still spend time training students to do tasks that can be done by AI in a second? We should teach them to do things that AI cannot do,” he noted.

A secondary English teacher, Ms Chow, saw ChatGPT as “another platform for students to do research”.

“It’s a life skill they need to learn – how to get useful information from the internet and use it for their good,” said the teacher from a Tai Po school.

But she noted that it was not ideal for primary school students to have access to AI tools as they might not be mature enough to use them properly.

Teachers can also use the technology to make lesson plans and get ideas for classroom activities and quizzes. They can also use the platform to teach critical thinking and problem-solving skills by having students challenge ChatGPT’s reasoning in its answers.

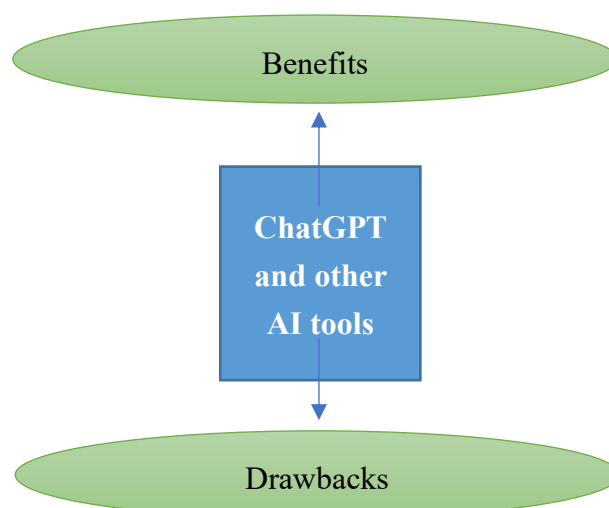
However, some school teachers worry about students’ using ChatGPT’s work to be their own work. “While the tool may give quick and easy answers to questions, it does not build critical-thinking and problem-solving skills. It’s also very hard for teachers to assess the students’ learning and give marks fairly if the work is only done by the robot, not the student,” said a local school teacher.

Source: Adapted from Fung, K. (13 March 2023). Is ChatGPT the future of learning? Educators, students discuss how schools can adapt to potential of AI-driven world. South China Morning Post.

URL: <https://www.scmp.com/yp/discover/news/hong-kong/article/3213126/chatgpt-future-learning-educators-students-discuss-how-schools-can-adapt-potential-ai-driven-world>

Identify TWO <u>advantages</u> of using ChatGPT and/or AI tools mentioned in the reading material:	<p>1.</p> <p>2.</p>
Identify TWO <u>disadvantages</u> of using ChatGPT and/or AI tools mentioned in the reading material:	<p>3.</p> <p>4.</p>

Now, brainstorm with the other teachers in your group. Other than the ones mentioned in the reading passage, can you think of other potential benefits and drawbacks of using ChatGPT and/or AI tools?



Set B

You are a parent of a F2 student in Hong Kong. Read the following excerpt to learn more about ChatGPT.

The A.I. Chatbots Have Arrived. Time to Talk to Your Kids.

Artificial intelligence can make adults nervous, but experts say exploring it as a family is the best way to understand its pros and cons.

Chatbots, such as ChatGPT, can give harmful content or answers with inaccuracies. They may also say things that look true but are, in fact, completely made up. And some students have begun using ChatGPT to do homework FOR them, cheating their teachers.

Many parents are already worrying about their children's using digital devices for too long and the bad effects on their children's mental health with the use of social media.

Snapchat's chatbot, for example, once told a teenager about how to steal money from a shop and suggested tips on having sex for the first time.

Children and parents should also know that this technology has "blind spots" in the design. For example, A.I. robots may act out wrong ideas / stereotypes around gender and race.

"It is very important for kids to know what is going on with the AI technology," said a teacher who is teaching secondary school students about A.I.

Understanding the technology's problems may give children and parents reason to stop and ask questions about their interactions and the content that is being generated for them.

Many experts agree that children need to learn how to use this new technology responsibly. It's a good idea to have a conversation with kids and help them learn what's correct and what isn't when it comes to AI chatbots. It is a technology that is developing fast and will be around all of us.

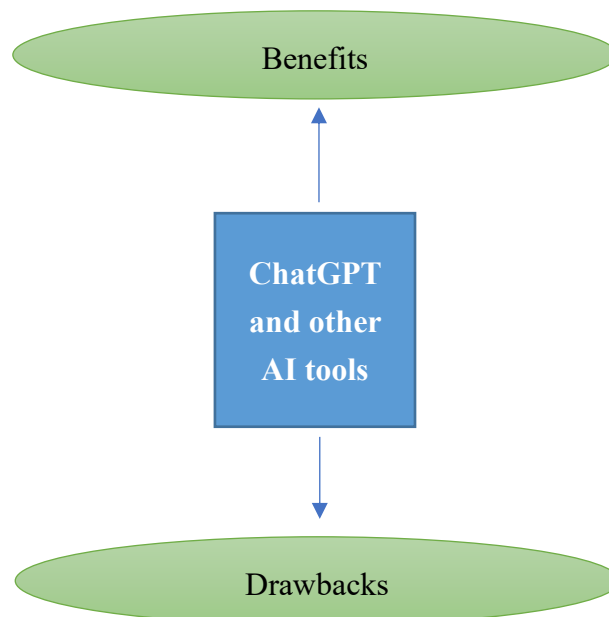
Parents may use Chat GPT with their children and teach them how to use it properly, such as to get ideas about things they're interested in, like writing or music. Families can try the AI tool together and it can be fun and helpful.

Source: Adapted from Cramer, J. (22 March 2023). The A.I Chatbots Have Arrived. Time to Talk to Your Kids. The New York Times.

URL: <https://www.nytimes.com/2023/03/22/well/family/ai-chatgpt-parents-children.html>

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Identify TWO <u>disadvantages</u> of using ChatGPT and/or AI tools mentioned in the reading material:	<p>3.</p> <p>4.</p>

Now, brainstorm with the other parents in your group. Other than the ones mentioned in the reading passage, can you think of other potential benefits and drawbacks of using ChatGPT and/or AI tools?



You are a Secondary Two student in Hong Kong. Read the following excerpt to learn more about ChatGPT.

Face Off: Should ChatGPT be allowed in school?

For: by Clarisse Poon, 13, St Paul's Co-educational College

I stand that schools should not ban the tool. We should welcome this new AI tool into the classroom and use it to help students become knowledge transformers.

Just as calculators have become an important tool for students in Maths classes, ChatGPT has potential for writers who want to develop their critical thinking and communication skills.

For example, students can use ChatGPT to generate outlines for essays, using the tool to create points for comparison and prompting students to develop critical thinking skills based on the outlines generated by the programme.

It can also be a tutor to help students revise and study, or be used by English language learners to improve their basic writing skills. ChatGPT can support deeper learning.

ChatGPT can be an invaluable platform for students' learning and correct use of technology.

Against: by Victor Wu, 17, Burnaby South Secondary School

The AI technology can hurt students' learning. ChatGPT can write well-articulated essays and solve complex Maths problems in seconds. Unfortunately, this may encourage students to abuse the programme. This makes it difficult for students to work on their critical thinking skills.

ChatGPT can also generate biased or inaccurate information. According to the **CEO** of **OpenAI**, "ChatGPT is incredibly limited but good enough at some things to create a misleading impression of greatness." Also, one **Forbes** article stated: "The program also has bias problems. It may be biased in content."

If ChatGPT were used in school, false and biased information could have a negative effect on students.

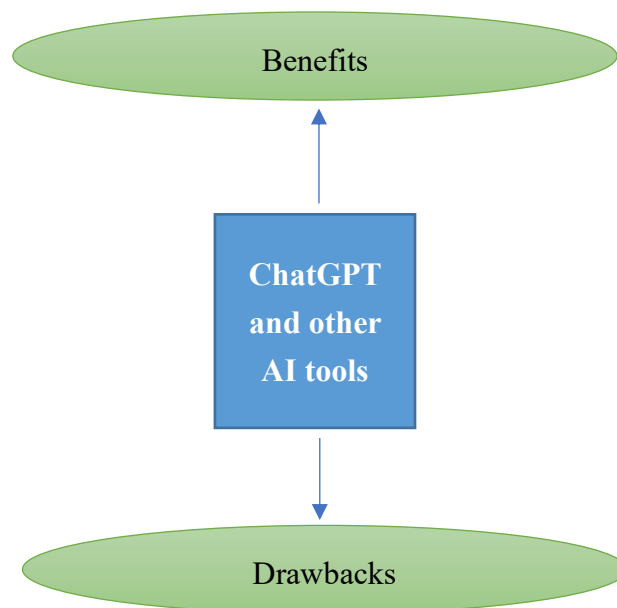
Banning ChatGPT at school is the correct thing to do, and the best thing for students.

Source: Adapted from YP readers. (26 February 2023). Face Off: Should ChatGPT be allowed in school? South China Morning Post.

URL: <https://www.scmp.com/yp/discover/your-voice/opinion/article/3211219/face-should-chatgpt-be-allowed-school>

Identify TWO <u>advantages</u> of using ChatGPT and/or AI tools mentioned in the reading material:	1. 2.
Identify TWO <u>disadvantages</u> of using ChatGPT and/or AI tools mentioned in the reading material:	3. 4.

Now, brainstorm with the other students in your group. Other than the ones mentioned in the reading passage, can you think of other potential benefits and drawbacks of using ChatGPT and/or AI tools?



Set D

You are a government official from the Education Bureau (EDB) in Hong Kong. Read the following information to learn more about ChatGPT.

Bringing AI into classrooms with Information Literacy

EDB's views

Artificial intelligence (AI) is the latest trend in technology and the HK Education Bureau (EDB) would like to nurture Hong Kong's next generation of AI talent. To do this, the EDB will start the Module on Artificial Intelligence for Junior Secondary Level in the first half of this year for schools to use in 2024.

"AI is now a very hot topic. By having AI in our education, students will understand the impact of innovation & technology (I&T) in improving daily life and promoting social and economic development," according to the EDB.

More importantly, all students must learn to use information in an ethical and responsible manner. Information Literacy (IL) can be developed when students are handling information with different media and information platforms in life events. Students are provided with learning experiences which involve the application of generic skills (e.g. critical thinking skills, creativity and problem-solving skills) and upholding of positive values and attitudes (e.g. integrity, respect for others, law-abidingness and empathy).

How do some schools see Chat GPT?

Schools hope that students can use information with Information Literacy. Some schools are worried that ChatGPT cannot help students develop Information Literacy. This is why the schools would like to block ChatGPT on school networks and school-issued devices. The concern is that students could use the AI tool to do their schoolwork for them, from writing papers to solving equations. They could also be turning in work with inaccurate information. Educators are worried the program could affect students' learning if they rely on it.

Sources:

1. Adapted from (25 January 2023). Bringing AI into classrooms. News.gov.hk
URL: https://www.news.gov.hk/eng/2023/01/20230116/20230116_110626_007.html
2. Adapted from "Information Literacy for Hong Kong Students" Learning Framework (Updated Version) (Draft). Education Bureau.

URL: [https://www.edb.gov.hk/attachment/en/edu-system/primary-secondary/applicable-to-primary-secondary/it-in-edu/Information-Literacy/IL_learningFramework/IL_LearningFramework\(UpdatedVersion\)\(Draft\)\(EN\).pdf](https://www.edb.gov.hk/attachment/en/edu-system/primary-secondary/applicable-to-primary-secondary/it-in-edu/Information-Literacy/IL_learningFramework/IL_LearningFramework(UpdatedVersion)(Draft)(EN).pdf)

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Now, brainstorm with the other government officials in your group. Other than the ones mentioned in the reading passage, can you think of other potential benefits and drawbacks of using ChatGPT and/or AI tools?

