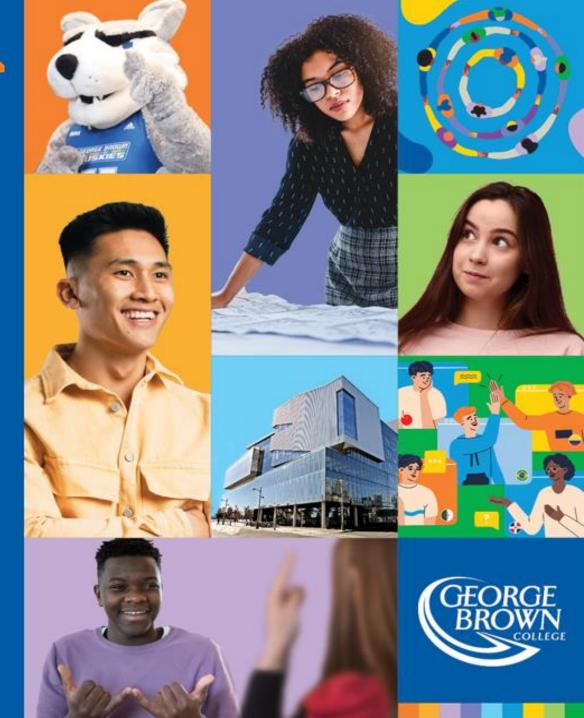


TEACHING & LEARNING EXCHANGE



Al: Friend of Foe

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LAND ACKNOWLEDGEMENT

George Brown College is located on the traditional territory of the Mississaugas of the Credit First Nation and other Indigenous peoples who have lived here over time.

We are grateful to share this land as treaty people who learn, work and live in the community with each other.

Learn more about our land acknowledgement.







AGENDA / LEARNING OUTCOMES

- 1. Introduction
- 2. Risks of AI Tools in Education
- 3. Benefits of AI Tools in Education
- 4. Conclusion

Introduction 1



Artificial Intelligence (AI) tools have made their way into the education system, revolutionizing the way we teach and learn. These tools have the potential to personalize learning, improve assessment techniques, and provide students with a more interactive experience. However, as with any technology, there are also potential dangers that must be considered.

In this presentation, we will explore the potential risks that AI tools may pose in education. We will discuss how these tools can perpetuate biases and invade student privacy, and provide examples of how these issues have been addressed in the past.

Introduction 2



As an educator, you are likely always on the lookout for new tools and strategies to help your students succeed. Presently, ChatGPT is one such tool that has the potential to revolutionize the way we teach and learn.

ChatGPT is an artificial intelligence language model that can generate human-like responses to text-based prompts.

This technology has a wide range of applications, from customer service chatbots to virtual assistants. In the context of education, present ChatGPT can be used in a variety of ways to support student learning and engagement.



Risks of AI Tools in Education



The Risks of Al Tools in Education

While there are many benefits to AI tools in education, there are also potential risks that must be considered. One major risk is the perpetuation of biases. AI algorithms are only as unbiased as the data they are trained on, and if that data contains biases, the algorithm will perpetuate those biases.

Another risk is the invasion of student privacy. Al tools can collect large amounts of data on students, including personal information and learning habits. If this data is not properly secured, it could be used for nefarious purposes.



Bias in Al Tools

The issue of bias in AI tools is particularly relevant in education. Biases can be perpetuated through algorithms that are trained on biased data or designed with inherent biases. This can have serious consequences for students, as they may be unfairly judged or discriminated against.

However, there are ways to detect and address bias in AI tools. For example, some companies are using diverse datasets to train their algorithms and implementing ethical guidelines to ensure that their tools are unbiased and fair.



Privacy Concerns with AI Tools

Privacy concerns are also a major issue when it comes to Al tools in education. These tools can collect large amounts of data on students, including personal information and learning habits. If this data is not properly secured, it could be used for nefarious purposes such as identity theft or targeted advertising.

To address these concerns, some companies are implementing strict privacy policies and ensuring that data is encrypted and stored securely. Additionally, schools and educators should educate students on how their data is being collected and used, and provide them with options to opt-out if they choose.





Benefits of AI Tools in Education

The Benefits of AI Tools in Education

Al tools have already had a positive impact on education. They have the potential to personalize learning by adapting to each student's individual needs and abilities. This can lead to improved academic performance and increased engagement in the classroom.

Additionally, AI tools can improve assessment techniques by analyzing large amounts of data and providing teachers with insights into student progress. This can help teachers identify areas where students need additional support and tailor their teaching accordingly.



Automated Grading

One of the most time-consuming tasks for educators is grading assignments and tests. With ChatGPT, however, this process can be automated, freeing up valuable time for teachers to focus on other aspects of their job. For example, ChatGPT can be used to grade short answer or essay questions, providing instant feedback to students.

In addition to saving time, automated grading with ChatGPT can also improve accuracy and consistency. Since the AI model uses a set of predefined rules and criteria to evaluate responses, there is less chance of subjective bias or error. This approach can also provide more detailed feedback to students, helping them to understand where they went wrong and how to improve in the future.

Automated Grading (1/4)

1. ChatGPT does not know your students. It is unaware of IEPs or extenuating circumstances that would give reason to adapt a standard, expectation, or grade.

2. ChatGPT isn't perfect. It's true regardless of the task that you are asking it to help with. Using ChatGPT to help grade is no different. You will need to review what it generates, edit, revise, and tweak.



Automated Grading (2/4)

3. You can't rely solely on ChatGPT for grading. Can it be a tremendous help? Yes. But you should not take its assessments as final.

4. You are ultimately responsible. You are responsible for the accuracy of the grading and the feedback. You will need to be able to defend the grades and feedback you give students.



Automated Grading (3/4)

Be transparent with your students. If you're using ChatGPT as a grading assistant, share your process and prompts with them. Students can use chat too.

Prompts are meant to be tweaked. Keep adjusting your prompts, making them more detailed, to get better results. Incorporate the language you want ChatGPT to use! It is iterative work.

Give ChatGPT examples of feedback. If you already have feedback that you would like ChatGPT to model, be sure to add that as part of the initial 'conversation.'

Automated Grading (4/4)

Consider moving to ChatGPT Plus. If you are using the free/public version of ChatGPT and you have more interaction than it can assist with, think about an upgrade.

You are the teacher of record, not ChatGPT. You are responsible for providing instruction, assessment, and accurate, meaningful, and constructive feedback.



Personalized Learning (1/2)

Every student learns at their own pace and has unique strengths and weaknesses. With ChatGPT, educators can create personalized learning experiences that are tailored to each student's individual needs and abilities. For example, ChatGPT can be used to generate custom quizzes or study materials based on a student's past performance or interests.



Personalized Learning (2/2)

The benefits of personalized learning with ChatGPT are numerous. Students are more engaged and motivated when the content is relevant and meaningful to them. They are also more likely to retain information when it is presented in a way that suits their learning style. By leveraging the power of AI, educators can provide a truly individualized education for each student.



Assistive Technology

For students with disabilities, accessing and engaging with educational content can be a significant challenge. ChatGPT can help to address this issue by serving as assistive technology. For example, ChatGPT can be used to read aloud text-based content for students who have visual impairments.

In addition to providing accessibility, ChatGPT can also improve engagement and participation for students with disabilities. By using a conversational interface, ChatGPT can help to facilitate communication and interaction between students and teachers. This approach can also help to reduce stigma and promote inclusion in the classroom.

Language Learning

Learning a new language can be a challenging and timeconsuming process. With ChatGPT, however, students can practice and improve their language skills in a fun and engaging way. For example, ChatGPT can be used to generate conversation prompts or provide feedback on pronunciation and grammar.

In addition to traditional language learning, ChatGPT can also be used to facilitate cross-cultural communication and understanding. By allowing students to interact with people from different backgrounds and cultures, ChatGPT can help to break down barriers and promote empathy and understanding.





In conclusion, ChatGPT has the potential to transform education in numerous ways. From automated grading to personalized learning, assistive technology, and language learning, this technology offers a wide range of use cases that can benefit both educators and students alike.

As we move forward into an increasingly digital world, it is important for educators to embrace new technologies and tools to support student learning and engagement. ChatGPT represents one such tool that can help to create more inclusive, personalized, and effective educational experiences for all students.







Name	URL	Notes
ChatGPT	https://chat.openai.com/	You all know this one
Tome.app	https://tome.app/	App can generate presentation outline and even some content
Dall-E	https://openai.com/dall-e-2	It's paid now. \$15 gives you 115 credits. They charge 1 credit per image
Free Al Image Generator	https://freeimagegenerator.com/	Not as advanced as Dall-E but free



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THANK YOU!

Conference Agenda

START	END	DESCRIPTION	LOCATION
8:00 AM	8:55 AM	Registration & Breakfast	Atrium
9:00 AM	9:30 AM	Land Acknowledgement, Hand Drum and Opening Remarks with Dr.Gervan Fearon	SJC 406 with online option
9:30 AM	10:45 AM	Keynote Speaker: Brenda McDermott	SJC 406 with online option
10:45 AM	11:00 AM	Music and Move to Session 1	
11:00 AM	11:45 AM	Concurrent Session Block 1	On-campus with online option
11:45 AM	12:50 AM	Luncheon	
1:00 PM	2:00 PM	Plenary Conversation with John Weigelt	SJC 406 with online option
2:00 PM	2:15 PM	Music and Move to Session 2	
2:15 PM	3:00 PM	Concurrent Session Block 2	On-campus with online option
3:00 PM	3:30 PM	Wine & Cheese Social	Atrium
3:30 PM	4:00 PM	President Awards & Concluding Remarks	Atrium

