AI 101: Possibilities & Considerations of Generative Artificial Intelligence

North Shore Community College, November 2023
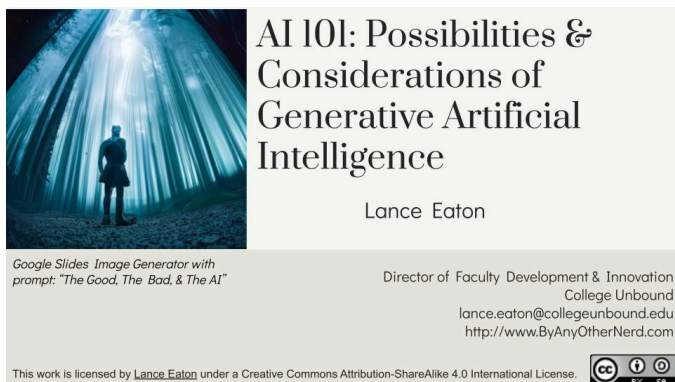Created, assembled, and organized by Lance Eaton ([Presentation slidedeck](#)).

This resource includes both an annotated slide deck with text and resources as well as a Prompt Guide with different examples of prompts to try out.

If you have additional questions, please reach out to me at lance.eaton@gmail.com.
You can also sign up for my newsletter: **[AI+Edu=Simplified](#)**. Also feel feel free to follow me on [my blog](#), [Twitter](#), [Mastodon](#), [LinkedIn](#), or [YouTube](#).

Annotated Slide Deck

Slide 1

Text: Hi all,

It never ceases to bring me joy to be here in community with all of you. As an alumn, part-time faculty for 17 years, and someone who started his instructional designer career here with the folks in the Center for Teaching, Learning, and Innovation (CTLI), it's always an honor and probably always a yes to be asked to be here.

So, I've got a big task—take the next 30- minutes to explain what generative AI is and its relevance to your work in higher ed—and do it in a way that sticks.

I know every educator in the room is chuckling about such a task.

But I'll say, challenge accepted and let's get to it!

Annotations
Lance Eaton - Selected Bibliography

- Eaton, L & Waddell, S. "**10 Ways Technology Leaders Can Step Up and In to the Generative AI Discussion in Higher Ed**". EDUCAUSE Review, October 2023.
- Leek, D & Eaton, L (2023). "More Than Tech Support: Instructional Designers as Community Partners in eService-Learning" in **Taking eService-Learning to the Next Level: Models and Tools for Next Generation Implementation** (eds. Strait, J; Shumer, R; Nordyke, K.). Information Age Publishing.
- Mills, A., Bali, M. and Eaton, L. (2023). **How do we respond to generative AI in education? Open educational practices give us a framework for an ongoing process**. Journal of Applied Learning and Teaching 6(1), 2023.
- **The New LMS Rule: Transparency Working Both Ways**. Journal of Interactive Technology and Pedagogy. December, 2021
- Eaton, L. & Leek, D. (2021). **Supporting Digital Service-Learning through Campus Collaboration**. EDUCAUSE Review, April, 2021.
- Eaton, L. & Rockey, A. (2020). **Triple threat or triple opportunity: When a pop culture course goes online at a community college**. *Dialogue: The Interdisciplinary Journal of Popular Culture and Pedagogy*, 7(2).
- "**Tricky Interfacing or Tricking Interfaces: Learning How To Navigate the Robot Gatekeepers**", Professional Development Collaborative. January 2020.
- "A Superhero for the Times: Superman's Fight against Oppression and Injustrice in the 1930s", in *Ages of Heroes, Eras of Men* eds. Julian C. Chambliss, Thomas Donaldson, William Svitavsky. Cambridge Scholars Publishing. July, 2013
- "The Hulking Hyde: How the Incredible Hulk Reinvented the Modern Jekyll and Hyde Monster" in *Fear and Learning: Essays on the Pedagogy of Horror* edited by Aalya Ahmad and Sean Moreland, McFarland Books. Spring, 2013.
- "Sound Judgment: An Audies Judge Reflects" in Library Journal. April 2011.
- "**Speaking Over the Words: Realizing Text into Audio**" in Journal of American Studies of Turkey, Issue 32, Fall, 2010.

AI Resources created/sourced by Lance Eaton
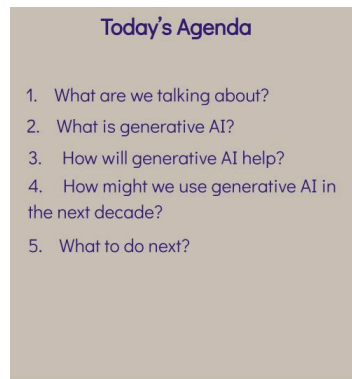- AI+Edu=Simplified: A newsletter on exploring and explaining generative AI in higher education.
- Examples of Syllabi Policies on Generative AI - Crowdsourced syllabi organized by Lance Eaton
- AI Generative Tool Policy Strategy - College Unbound's policy designed by Lance Eaton
- ChatGPT, AI-Generative Tools, and Education…my turn… - Blog post by Lance Eaton
- Digital Interventions: AI & Education Syllabus
- Query Log Template: A document if you want students to engage with a generative AI text tool and capture the results.
- Example of AI-Generative Tool Usage Survey for Students: Copy of the Usage survey sent out to students at College Unbound in December 2022
- College Unbound Generative-AI Proposed Usage Guidelines: Current state of the policy created by students and myself around usage guidelines for students and faculty.

AI-Related Features with Lance Eaton
- Forbes (September 2023)
- AI In Education – AI Launchpad Webinars: Creating AI Policies for K12 & Higher Ed (September 2023)
- CNN.com (August, 2023)

- Future Trends Forum with Bryan Alexander (August, 2023)
- ShiftED Podcast (August, 2023)
- AI and Academia Substack by Bryan Alexander (July 2023)
- Inside Higher Ed (July 2023) (as well as in June 2023)
- ITHAKA S+R (June 2023)
- Teaching in Higher Ed Podcast (June 2023)
- Chronicle of Higher Ed (March 2023)
- Demystifying Instructional Design (February 2023)

Slide 2

Today's Agenda

1. What are we talking about?
2. What is generative AI?
3. How will generative AI help?
4. How might we use generative AI in the next decade?
5. What to do next?

Today's Hidden Agenda

1. What aren't we talking about?
2. What isn't it?
3. How will it complicate things?
4. How might we use it for now?
5. What not to do next?

Resources:
https://bit.ly/NSCC-AI101

Text: First, I'll mention the link at the bottom there (the one I'm throwing into the chat now) is to my annotated slide deck. This resource has everything that I'm about to say, the slides, and embedded resources for each slide.

I can be here for this hour but to really start learning about generative AI, there's a lot to sift through and that resource is a great start. All is covered with a Creative Commons license, because that's how I roll.

What are we talking about? As you can see, I have two agendas because whenever we talk there's always what's said and what's not said. I'll do my best to address both today but if not, I hope to lead you places where you can continue to understand both.

We'll start with a meta level of what we're talking about today and clarify what we won't be talking about (and why).

Then, we're gonna get a little bit interactive with the chat. We're going to talk about what generative artificial intelligence actually is….and what it isn't! Because there's a lot of folks selling a lot of garbage out there and sifting through it isn't easy.

Next, we'll get into how generative AI may help us in our work in some interesting ways in the near future. Of course, we can't talk about the ways it will help without talking about how it will complicate things as well.

I'll frame ways that it may be used in the near future…and balance that out with what's realistic in this current moment.

Finally, we'll get into what you probably should and definitely not do at this time.

Sound good? Then, if we have our directions, let's actually figure out what we're talking about!

Annotations

- [What Are Creative Commons Licenses?](#)
- [Frequently Asked Questions - Creative Commons](#)

Slide 3

What are we talking about?

Generative artificial at North Shore Community College and ways it might be used for work for employees of NSCC.

Resources: https://bit.ly/NSCC-AI101

Google Slides Image Generator with prompt: "a community college city campus"

Text: We could talk about generative AI endlessly but today, we're going to be talking using generative AI as part of the staff at North Shore Community College. We'll highlight different use cases in that particular context.

Annotations

- [A jargon-free explanation of how AI large language models work](#)
- [A.I. Glossary](#)
- [Artificial Intelligence (AI) Terms: A to Z Glossary](#)
- [What is Artificial Intelligence (AI)?](#)
- [AI Explained - Stories](#)

Slide 4

What aren't we talking about?

- Generative artificial intelligence in the classroom
- Generative AI in the world at large
- Artificial intelligence taking over humanity

Bing Image Generator with prompt: "a community college classroom that has a mixture of adult and robot students in photorealistic style"

Resources: https://bit.ly/NSCC-AI101

Text: What aren't we talking about? These are important topics. But this is an introductory discussion about these tools and those topics deserve their own deeper dives (well, except for the last one).

We won't be talking about generative AI in the teaching and learning. That's an essential topic and also the Center for Teaching, Learning, & Innovation has been leading conversations around this topic and that is where the conversation should continue–with those amazing and talented folks! Honestly, so much of my thinking and navigating about this has been influenced, shaped and improved from so many conversations & learning opportunities with Andrea Milligan among other all stars on that team. So, go there for help with your teaching on this, or really, everything!

We're also going to avoid getting into the big questions about what these tools mean for the world at large.

These things we may touch upon tangentially but they're not central to our talk today.

Annotations

Resources on AI & Teaching & Learning
- [10 AI Tools Beyond ChatGPT That Can Save Teachers Time](#)
- [30 AI tools for the classroom](#)
- [Prompt Library — AI for Education](#)
- [AI Educator Tools](#)
- [Top Ai Tools for Research and Academic Writing 2023](#)
- [AI Tools for Students](#)
- [Student AI Tools](#)
- [Students' voices on generative AI: perceptions, benefits, and challenges in higher education](#) by Cecilia Ka Yuk Chan & Wenjie Hu
- [Generative AI and the future of education](#) by UNESCO
- [AI Will Transform Teaching and Learning. Let's Get it Right.](#)
- [Generative Artificial Intelligence in education: What are the opportunities and challenges?](#)
- [Teachers Are Going All In on Generative AI](#)
- [UTSA faculty explore AI as a classroom engagement tool](#)
- [Generative AI Policies in over 100+ Syllabi](#)
- [Teaching with AI checklist](#)
- [Why faculty members are polarized on AI](#)
- [AI Generative Tools and Teaching - A Look at the Landscape](#) (35:20 minutes)

Folks navigating the challenges of this in public
- [Bryan Alexander](#)
- [Maha Bali](#)
- [Josh Brake](#)
- [Autumm Caines](#)
- [Dr. Sarah Eaton](#)
- [Anna Mills](#)
- [Ethan Mollick](#)

Slide 5

What is/isn't Generative AI?

Which of these generative AI tools do you know about?

ChatGPT	Bing	DALLE
Claude	Bard	Midjourney

Resources: https://bit.ly/NSCC-AI101

Text: Here are some of the currently most popular AI tools. Which ones have you heard of?

Nearly everyone has heard ChatGPT, but what about the rest? Put into the chat which of these you HAVEN'T heard.

Write in all the ones you don't know.

Now, that's quite the variety of experiences here in the room.

If you are familiar with any on the list, feel free to provide others with a 1-2 sentence description of what it is.

And no cheating by going to ChatGPT to generate an answer! You can learn more about these on the annotated slide deck.

These tools are becoming increasingly ubiquitous. And it's easy to dismiss this as another tech-hype cycle. I think in many ways it is. But I also think the AI Hype feels different from prior cycles.

Generative AI is different from the AI we've been using for the last decade.

We all have stories of how Siri or Alexa has misheard us (in fact, did I just set off anyone's Alexa just by saying it?). These didn't feel as impressive or easy to use right out of the box. But generative AI–AI that can generate text, audio, image, or video through the use of everyday language–that feels different because of its ease of use.

We're several years since the launch of the Metaverse and can ANYONE tell me what it really is and if they have visited it?

The lift to figure out what the Metaverse is, how to access it, how to create in or with it, and why it would be better than other things–that's a lot of figure out.

But the generative AI comes in the form of a chatbox–a chatbox many of you have already been using in this very zoom meeting…something that's been around for decades. We all know: see a textbox on the computer, enter text.

Generative AI took something terribly complex and nuanced and made it usable in a textbox. That's a devilishly easy invitation.

Annotations

Most popular generative AI tools

AI Tool	Pricing	Description
ChatGPT	Free & paid versions	Generative text AI by OpenAI. The most popular and effective generative text AI. Can create a significant amount of text that can be further elaborated with each prompt. Data is limited to prior 2021 and before. The upgraded version has a variety of apps that do man other things.
Claude	Free	Generative text AI that allows you to upload large text files (a few hundred pages) that can provide additional context for the questions that you ask of it.
Bing	Free	Microsoft's AI tool connected to its search engine. Can create responses that draw on the internet currently. Can also create images.
Bard	Free	Google's generative AI tool that connected to its search engine. Allows you to upload a file to provide additional context.
DALLE	Free & paid versions	OpenAI's generative image tool. With a prompt, DALLE wil generate several images of what you are asking. You have the ability to edit and augment the results as well as upload an image for it to adjust.
MidJourney	Free trial - paid version	A generative image tool that can be access through Discord, a messaging platform.

Here are some othe popular AI tools to know about that may be relevant to academia

AI Tools	Descriptions were generated by Google's AI text generator
Elicit.org	Elicit is a free, artificial intelligence (AI) research assistant that helps researchers automate parts of their workflows. Elicit uses language models to find relevant papers and summarize key information from those papers. Elicit can also help researchers brainstorm research questions, identify search terms, and define terms.
Scite.AI	Scite.ai is a tool that uses artificial intelligence to analyze scientific literature and measure the veracity of scientific work. Launched in 2018, Scite uses AI to determine whether scholarly articles mention, support, or contrast the claims of each cited article. Scite is a Brooklyn-based startup that helps researchers better discover and evaluate scientific articles.
NOLEJ	Nolej is an AI-powered decentralized skills platform that creates interactive courseware and a global knowledge graph. The platform is designed to automate courseware creation and facilitate global knowledge sharing. Nolej is also an education assistant that empowers learners to discover ideas, validate learning, and unlock opportunities.

[Consensus](#)	Consensus AI is an artificial intelligence (AI)-powered search engine that provides evidence-based answers to user queries. The tool uses AI and machine learning techniques to analyze peer-reviewed research papers and extract and distill data from scientific research. Consensus AI can help users save time and energy by providing accurate and condensed summaries of studies.
[Whimsical](#)	Whimsical AI is a tool that uses AI technology to help designers create more imaginative and engaging user experiences. It offers AI-powered suggestions to help generate new ideas and overcome mental blocks during brainstorming sessions. Whimsical AI is an intuitive and simple diagram collaboration center that integrates flowcharts, mind maps, wireframes, and documents. It offers a unified platform for visual collaboration. Whimsical AI is a user-friendly and efficient AI tool that generates fresh ideas quickly and effortlessly.
[Khanmigo](#)	Khanmigo is an AI-powered chatbot that helps students learn at their own pace. Khanmigo uses machine learning to track student progress and provide personalized feedback. It can also be used as a virtual tutor and debate partner. Khanmigo has knowledge on a variety of subjects, like history, math, and science, in many languages and on different grade levels.
[Otter.ai](#)	Otter.ai is a voice-to-text transcription software that uses artificial intelligence and machine learning to convert spoken language into written text. The software picks up the voice in an audio feed, processes it through an AI algorithm, and starts stacking the words on the page. Otter.ai is available as a free web application and mobile application. It can be used to record and automatically transcribe interviews, meetings, and lectures. Otter.ai also offers a Chrome extension that detects when you open a virtual meeting link in your browser.
[Character.Ai](#)	Character.AI is a free AI chatbot app that allows users to create and chat with AI-generated characters. The characters can be fictional or based on real people, dead or alive. Users can create characters with specific personalities and interests, and then publish them to the community for others to chat with. Character.AI uses a neural language model to read large amounts of text and respond to prompts using that information. The characters can serve various purposes, such as providing entertainment, helping users practice social situations, learning languages, or improving interviewing skills.
[Snapxam](#)	SnapXam is an AI-powered math tutor that helps students understand how to solve math problems. Students can type in a math problem or snap a photo of it and receive an instant answer with step-by-step explanations. SnapXam is available 24/7.
[Quillbot](#)	QuillBot is an artificial intelligence (AI) writing tool that helps users create, edit, and

	improve their text.
	QuillBot offers features such as sentence rephrasing, article rewriting, and grammar checking. It also helps users summarize and improve the clarity of their writing. QuillBot can help users cut their writing time by more than half. It can paraphrase text in British, American, and Australian English.
	Using a paraphrasing tool like QuillBot is not inherently cheating. However, using the tool irresponsibly by directly replacing large parts of sources without proper citation could potentially be considered plagiarism.

Other resource
- [Comparison of different Generative AI Content Platforms](#) by Akool
- [The AI Starter Kit](#)

Other Generative AI Tools to Consider With the Job Search
- [Five AI Tools To Help With Your Job Search—Or With Helping You Quit](#)
- [AI job search tips: 9 AI tools to help you land your next job](#)
- [How job seekers are using AI to supercharge their job hunt](#)
- [How to use AI-based tools to find your next job](#)

Databases or collections of generative AI tools
- [AI Collection](#)
- [AI Depot](#)
- [Futurepedia](#)
- [Future Tools](#)
- [Mad Genius](#)

Slide 6

What is/isn't Generative AI?

What is generative AI?

Generative AI is a type of AI that can create new content like text, images, and videos after learning from large amounts of data.

Resources: https://bit.ly/NSCC-AI101

Text: What is generative AI? Feel free to put your answers in the chat. I'm almost tempted to play a game of "wrong answers only" but I won't.

These are good! I used AI to tell me what it is. I asked ChatGPT, Claude, Bing, and Bard to define generative artificial intelligence. They all gave decent answers of varying and similar degree.

But then I poured all of them into Claude and told it to: "Take these 4 definitions of generative AI and come up with the cleanest, clearest, and simplest explanation of generative AI that is under 50 words, can be understood by a 8th grader and maintains the full integrity of what generative AI is:"

It gave me that answer on the right: "Generative AI is a type of AI that can create new content like text, images, and videos after learning from large amounts of data."

Annotations

What is genearitve AI according to ChatGPT 4, Bard, Bing, & Claude

ChatGPT 4
Generative AI refers to a type of artificial intelligence that can create content, such as images, music, text, or even videos. The "generative" aspect denotes the AI's ability to produce new output after being trained on a set of data. Some of the most popular generative models are based on neural networks, particularly a type called Generative Adversarial Networks (GANs).

Here's a breakdown of a few types of generative AI:
   Generative Adversarial Networks (GANs): Introduced by Ian Goodfellow and his colleagues in 2014, GANs consist of two neural networks: a generator and a discriminator. The generator tries to produce fake data, while the discriminator tries to distinguish between real data and the fake data produced by the generator. Over time, the generator gets better at creating realistic data as it receives feedback from the discriminator. GANs have been used for creating realistic images, art, style transfers, and more.
   Variational Autoencoders (VAEs): VAEs are another popular generative model. They work by encoding inputs into a compressed representation and then decoding that representation to produce an output. The variational aspect introduces a probabilistic twist, allowing for the generation of new, similar samples.
   Recurrent Neural Networks (RNNs) and Transformer Models: While not always considered generative in the same sense as GANs or VAEs, RNNs and Transformers

can produce sequences, making them useful for generating text, music, and more. An example is the GPT (Generative Pre-trained Transformer) series by OpenAI, where the models can generate human-like text.

Applications of generative AI are numerous and growing:
- Image Generation: Creating realistic images of faces, animals, or objects that don't exist.
- Style Transfer: Applying the artistic style of one image to another.
- Text Generation: Producing coherent and contextually relevant paragraphs of text.
- Music Generation: Creating new melodies or compositions.
- Drug Discovery: Creating molecular structures for potential new drugs.
- Video Game Design: Generating textures, terrains, or even entire levels.
- Fashion: Designing new apparel or patterns.

Generative AI has vast potential, but it's also essential to be aware of its ethical implications, especially when generating content that could be mistaken for reality or used maliciously.

Bard

Generative AI is a type of artificial intelligence that can create new content, such as text, images, audio, and video. It does this by learning the patterns and structure of its input training data and then generating new data that has similar characteristics.

Generative AI models are trained on massive datasets of existing content. For example, a text-generating AI model might be trained on a dataset of books, articles, and code. Once the model is trained, it can be used to generate new text, such as poems, code, scripts, musical pieces, email, letters, etc.

Generative AI is still a relatively new field, but it has already had a major impact on a variety of industries, including creative arts, media, and entertainment. For example, generative AI is being used to create new music, art, and video games. It is also being used to develop new tools for content creators, such as AI-powered writing assistants and image editors.

Here are some examples of generative AI in use today:

- Text generation: AI models can be used to generate realistic and creative text, such as news articles, blog posts, and even novels.
- Image generation: AI models can be used to generate realistic images, such as photographs, paintings, and even 3D models.
- Music generation: AI models can be used to generate realistic and creative music, such as songs, melodies, and harmonies.
- Video generation: AI models can be used to generate realistic and creative videos, such as short films, music videos, and even commercials.

Generative AI is a powerful tool that has the potential to revolutionize the way we create and consume content. As the technology continues to develop, we can expect to see even more innovative and groundbreaking applications of generative AI in the future.

Bing

Generative AI is a type of artificial intelligence that can generate new forms of creative content, such as audio, code, images, text, simulations and videos [1]. Generative AI models learn the patterns and structure of their input training data and then generate new data that has similar characteristics [2]. It can produce a variety of novel content, such as images, video, music, speech, text, software code and product designs [1]. Generative AI uses a number of techniques that continue to evolve. Foremost are AI foundation models, which are trained on a broad set of unlabeled data that can be used for different tasks, with additional fine-tuning [1]. Complex math and enormous computing power are required to create these trained models, but they are, in essence, prediction algorithms [1]. Today, generative AI most commonly creates content in response to natural language requests — it doesn't require knowledge of or entering code — but the enterprise use cases are numerous and include innovations in drug and chip design and material science development [1].

[1]: https://www.gartner.com/en/topics/generative-ai [2]: https://en.wikipedia.org/wiki/Generative_artificial_intelligence

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Claude

Generative AI refers to artificial intelligence systems that can generate new content, such as text, images, audio, and video, as opposed to just analyzing existing data. Some key characteristics of generative AI include:
- Generative models: These AI models are trained on large datasets to learn the patterns and relationships in data, allowing them to generate new examples similar to the training data. Popular examples include generative adversarial networks (GANs), variational autoencoders (VAEs), and transformer models.
- Creative capabilities: Generative AIs can create original content that is realistic and coherent, such as continuing a story prompt, composing music in a certain style, or designing objects. This creativity comes from the models' ability to learn high-level semantic relationships.
- Customizability: Many generative AIs allow users to fine-tune and control aspects of the generated content by providing input text, images, or attributes. This makes them highly customizable for different applications.
- Self-learning: Some generative AIs continue to learn and improve from new data and feedback on their outputs. This makes their capabilities more robust over time.
- Multiple modalities: Research is enabling generative models to create interconnected outputs across modalities like text, images, and audio.

Key applications of generative AI include content creation, conversational agents, drug discovery, image and video editing tools, customized product design, and more futuristic use cases like virtual assistants and artificial creativity. The rapid advances in deep learning are making generative AI more capable and widespread.

Slide 7

What is/isn't Generative AI?

What is generative AI?

Generative AI refers to artificial intelligence systems that can generate new, original content such as text, images, audio, and video. These AIs are trained on large datasets which allows them to learn patterns and relationships in data. They can then use what they've learned to produce new examples that are similar to but not exactly the same as the training data.

Resources: https://bit.ly/NSCC-AI101

Text: I wasn't that excited with that answer so I asked it to elaborate. It came up with

"Generative AI refers to artificial intelligence systems that can generate new, original content such as text, images, audio, and video. These AIs are trained on large datasets which allows them to learn patterns and relationships in data. They can then use what they've learned to produce new examples that are similar to but not exactly the same as the training data."

That's a clearer answer. Others and I would nitpick and challenge some part of this definition, but that's the case with many loaded terms.

I also want to demonstrate here a way that I often use it is to pull together different ideas or bits of information to see what it can create.

And it's not that I can't do this myself–but that I can have generative AI do in 30 seconds what might take me anywhere from 30 minutes to several hours.

Ok–let's ask some more questions–remember to put your answers in the chat and I'll call out what I can see.

Annotations

- ChatGPT Tutorial: How to Use **ChatGPT** For Beginners 2023 (27:50 minutes)
- **DALL-E 2** TEXT to IMAGE Tutorial for Beginners (14:13 minutes)
- The Ultimate Beginner's Guide to Anthropic's **Claude** 2.0 chatbot. (8:01 minutes)
- How to Start with **Midjourney** for Beginners (8:31 minutes)
- How to Use **Google Bard** AI Chatbot (Step by Step Tutorial) (8:29 minutes)
- How To Use **Bing AI** Chat in 2023 (Beginner's Guide) (6:15 minutes)
- Rules for Using Generative AI & Oct Updates

Slide 8

Text: What do we think—true or false:

Generative AI may be becoming sentient. That is, alive.

Annotations

- [Google Engineer Claims AI Chatbot Is Sentient: Why That Matters](#)
- [Google Sidelines Engineer Who Claims Its A.I. Is Sentient](#)
- ['Consciousness' in Robots Was Once Taboo. Now It's the Last Word](#)

Slide 9

Text: False. It is not a thinking being–no matter what all those sci-fi novels, movies, comics, TV shows, and Silicon Valley Tech-Bros tells us. We have a long history of telling ourselves that our objects are real–going back millenia.

It is a complex technology with lots of possibilities, but sentience is not one of them in the immediate future. What we hear and see in the media is often sound bites and misrepresentations of what generative AI is.

This is important to hold in our minds. This tendency to anthropomorphize or mythologize our technology as having life is common throughout history going back thousands of years. In more modern times, this has become known as the ELIZA effect after experiments in the 1960s with a computer program that people became attached to when it used language in ways that felt real to the users.

We want to remember this effect as we use it.

Annotations

- [Is AI Sentient – Revisited](#)
- [AI isn't close to becoming sentient – the real danger lies in how easily we're prone to anthropomorphize it](#)
- [ELIZA effect - Wikipedia](#)
- [The ELIZA Effect](#)
- [How a Google Employee Fell for the Eliza Effect](#)

Slide 10

What is/isn't Generative AI?

True or false

Generative artificial intelligence is similar to human thinking when it arrives at its answer.

Resources: https://bit.ly/NSCC-AI101
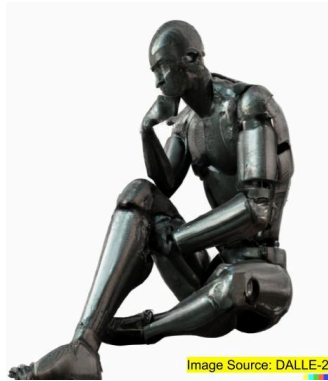
Text: Ok, what do you think about this one?

"Generative artificial intelligence is similar to human thinking when it arrives at its answer."

Does generative AI think like we do?

Annotations

- [FBL93: Angus Fletcher - Why Storytelling Will Prevent AI Dominance](#)
- [AI-thinking vs Human-thinking. Everybody talks about the different way…](#)
- [Study: AI models fail to reproduce human judgements about rule violations](#)

Slide 11

Image Source: DALLE-2

FALSE

~~Generative artificial intelligence is similar to human thinking when it arrives at its answer.~~
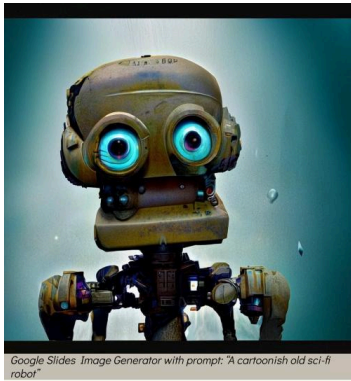
Resources: https://bit.ly/NSCC-AI101

Text: False. Generative AI doesn't think like you or I do. First of all, we all think differently–that's why we talk about neurodiversity. But our mind is composed of whole things be it words, images or sounds, tastes, etc. By contrast, generative AI works through mathing the hell out of things.

Annotations

- [Introduction to Generative AI](#)
- [What are Generative AI models?](#)

Slide 12

How does AI arrive at its answers?

Large Language Model (LLM): The large data set needed to train the generative AI. For text generative AI, it has typically included large parts of the Internet.

Token: The smallest unit of data needed to create the mathematical relationships within the dataset. 4-5 characters in length.

Generative (as in "generative AI): The process of calculating answers based on probabilities and statistics relationships between the prompt and the data set.

Google Slides Image Generator with prompt: "A cartoonish old sci-fi robot"

Text: When working with text, a generative AI will rely on its "large language model"--that is a massive data set of text and the statistical models calculated related to that data set.

That large language model was created by an AI tool mathematically analyzing the relationships across that massive text. It doesn't analyze the words themselves but rather strings of characters. Those strings of characters are referred to as "tokens" and are short, something around 4-5 character long.

The AI calculates the probability of relationships of those tokens across its data set and also with any prompt you give it. So when the AI gets a prompt by a user, it's mathematically examining the relationship among tokens and then searching its large language model for similar relationships of tokens to help generate the most probable answer. It strings these tokens into words and sentences that mathematically make sense.

It's not thinking, it's mathing. It has no awareness or internal understanding of the relationships of the words its using any more than a calculator knows that its also spelling out a word with the number 376616.

Now you're all wondering what word does that number spell? It spells giggle. Which, I'm pretty sure some of y'all just did!

Annotations

- [How ChatGPT actually works](#) (6:25 minutes) by AssemblyAI
- [What Is ChatGPT Doing … and Why Does It Work?](#) By Stephen Wolfram (estimated reading time: 90 minutes)

Slide 13

What is/isn't Generative AI?

True or false

Generative artificial intelligence can lie.
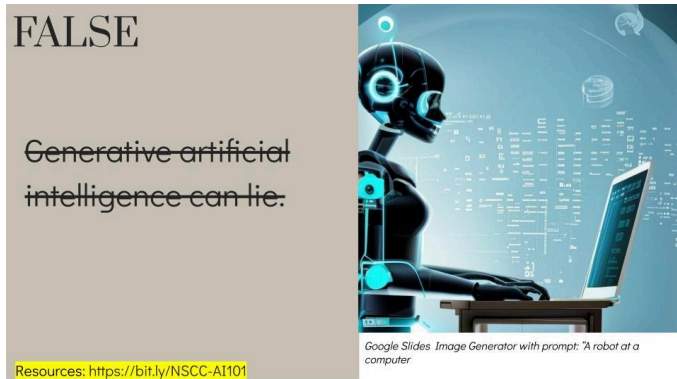
Resources: https://bit.ly/NSCC-AI101

Text: Ok, what about this one? "Generative AI can lie."

This one's tricky right? We have a mixture of answers on this one as we should.

Annotations

- [ChatGPT Can Lie, But It's Only Imitating Humans](#)
- [The biggest problem in AI? It lies](#)
- [ChatGPT 'hallucinates.' Some researchers worry it isn't fixable.](#)

Slide 14

FALSE

~~Generative artificial intelligence can lie.~~

Resources: https://bit.ly/NSCC-AI101

Google Slides Image Generator with prompt: "A robot at a computer

Text: It is true that Generative AI doesn't lie.

Lies come with intention and intention is human. See what I mean about it being tricky to remember this is a calculating machine and not a sentient being?

Can it give false information. You betcha! But when you hear language about it lying or hallucinating–it's important to understand someone is assigning human characteristics to AI.

It will present false information because it's not thinking and rationalizing or proving things in the ways that we humans think about it. It's mathing relationships and that may lead it to come up with poorly calculated wordings.

So while it doesn't lie, you still shouldn't trust it.

Annotations

- [Why Chatbots Sometimes Act Weird and Spout Nonsense](#)
- [AI tools make things up a lot, and that's a huge problem](#)
- [Both humans and AI hallucinate — but not in the same way](#)
- [Who's liable for AI-generated lies?](#)
- [Generative AI exists because of the transformer](#)

Slide 15

What is/isn't Generative AI?

True or false

Generative artificial intelligence will take all our jobs.

Text: Finally, how about this: Generative AI will take all our jobs. I'm sure we're catching onto the theme here. So it is the last one, I promise!

Annotations

- [Robots Have Been About to Take All the Jobs for 100 Years](#)
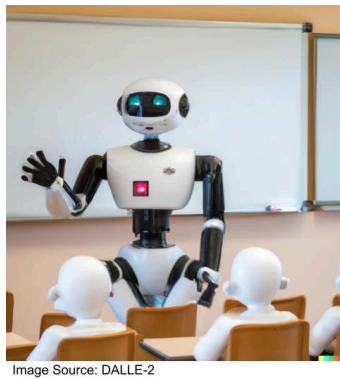- [The Pessimist Archives](#)

Slide 16

Image Source: DALLE-2

FALSE

~~Generative artificial intelligence will take all our jobs.~~

Resources: https://bit.ly/NSCC-AI101

Text: As Public Enemy said, "Don't believe the hype."

It will disrupt and augment work and part of the challenge for all of us will be to stay abreast of it to understand its impact on our areas of work. Any knowledge worker is going to have to consider and contend with how these tools can amplify their work and not replace it.

It will help us do a lot of things we didn't do before and that can create new opportunities.

And yes, there are jobs that will be lost and there will be new jobs that emerge. The history of the world is filled with technologies that would supposedly ruin all employment and yes, there's still plenty of work to be had.

We're an educational institution and we offer degrees and programming in many kinds of work that did not exist when the college it was formed nearly 50 years ago and we have terminated programs that no longer have relevance. Technology continues to drive a lot of those professional changes.

Annotations

- [Artificial intelligence: Generative AI likely to augment rather than destroy jobs](#)
- [Generative AI and the future of work in America](#)
- [How Generative AI Is Changing Work](#)
- [Generative AI Will Disrupt Career Paths, Recruiting](#)
- [Generative AI and the Future of Work | Mike Walsh](#)
- [How Artificial Intelligence (AI) Is Changing The Future Of Work](#)
- [Generative AI and the future of work in America](#)
- [How generative A.I. and ChatGPT will influence jobs at all professional levels](#)

Slide 17

How will generative AI help?

1. Administrative task automation
2. Institutional research
3. Individual & Departmental Research
4. Student support chatbots
5. Budget and grant proposal drafting
6. Language translation
7. Career counseling
8. Teaching
9. Learning
10. Evaluation

Resources: https://bit.ly/NSCC-AI101

Bing Image Generator with prompt: "students and faculty standing together staring at a giant computer monitor that has a robot face on it looking back at them"

Text: The first two on this list are mostly aspirational or anticipated ways it will help. They may feel more realistic when and if we achieve general artificial intelligence. AI that can perform the full range of tasks embedded in a complex command and not just generate text or images in response.

From 4 downward, many folks are starting to use generative AI tools in these particular ways. Maybe still not wholistically but definitely in capacities that hint at what's to come.

Some of my work is around leveraging these tools for professional development and career counseling.

Generative AI can tap into what I would call the hidden curriculum of the world to help folks quickly and effectively understand the nuances of different practices around the employment process that aren't obvious or clear for people trying to move into better paying knowledge-industries that come with a variety of coded signals.

Institutions and organizations are starting to leverage it in grant processes to help them pull together things more quickly, while others are playing with how a self-evaluative chatbot might help one more effectively capture their previous work and develop goals for the next year.

There's definitely more and you can find out more about these in the annotated slide deck.

Annotations

- Integrating Generative AI into Higher Education: Considerations
- Admissions Offices, Cautiously, Start Using AI
- Generative AI in college and departmental administration
- The role of generative AI in higher ed IT
- ChatGPT and generative AI: 25 applications to support administrative tasks
- ChatGPT and generative AI: 25 applications to support student engagement

Slide 18

How will it complicate things?

Known Knowns
- *Environmental impact*
  - Extractive practices
    - Precious metals
    - Drinkable water
  - Massive energy consumption
- *Problematic data sets*
  - Biases
  - Blackbox
- *Labor practices*
  - Content moderation done by Global South employees or Global North prisoners
  - Change & increase work demand

Resources: https://bit.ly/NSCC-AI101

Google Slides Image Generator with prompt: "a robot carrying a lot of bags"

Text: But generative AI is definitely going make things more complicated in some capacities.

More than previous significant technologies, we know right from the get-go that generative AI has a lot of baggage. Like−a lot.

Generative AI has significant environmental impacts from massive energy consumption to contributing to significant and harmful extractive resource practices.

The datasets are hyper focused on North American, English, white, and male voices and also, the fullness of the dataset and how it operates is largely hidden from users.

And finally, there's the labor practices of subjecting vulnerable populations to the worst content−a practice made pretty by the euphemism "content moderator" which often comes with healthy doses of post-traumatic experiences by those underpaid workers.

Annotations

- [The politics of AI: ChatGPT and political bias](#) by Jeremy Baum & John Villasenor
- [On the Dangers of Stochastic Parrots: Can Language Models Be Too Big?](#) By Emily Bender, Angelina McMillan-Major, Timnit Gebru, & Shmargaret Shmitchell
- [On the dangers of stochastic parrots: Can language models be too big?](#) 🦜 (76 minutes)
- [AI ethics and data protection for learning](#)
- [These companies have banned or limited ChatGPT at work](#)
- [Amazon, Apple, and 12 other major companies that have restricted employees from using ChatGPT](#)
- [A Computer Scientist Breaks Down Generative AI's Hefty Carbon Footprint](#)
- [A.I.'s exploitation of human workers could come back to bite it | Fortune](#)
- [OpenAI Used Kenyan Workers on Less Than $2 Per Hour](#)
- [Behind the AI boom, an army of overseas workers in 'digital sweatshops'](#)

Slide 19

How will it complicate things?

Known Unknowns
- Digital divide
- Homogenizing of language and norms
- Surveillance capitalism
- Tool monopoly/monopsony
- Overproduction & overreliance on generative AI
- Misinformation & Bad actors

Resources: https://bit.ly/NSCC-AI101

Bing Image Generator with prompt: "A humanoid robot standing ominously at the far end of a road on the horizon--just far enough that details are hard to see but it's clearly a robot

Text: Then, there are the things we can anticipate but don't know the full extent of their impact.

Something that I'm thinking about particularly is the homogenizing of the English language as we use these tools more and more.

Because of the mathematical models, it will reproduce the style and approach most present in the dataset–and in doing so, pushes all of us to expect specific ways and structures of talking or writing in professional contexts.

Now, we already have norms but the scale of this feels like it will move from norms to constraints and limit the linguistic diversity that language is supposed to have. Maybe that won't be a problem but it's something we know can happen as we move from one technology to another. After all, national broadcast television for decades dictated a supposed "normal" way to talk that many folks were forced into reproducing.

Annotations
- [More writers sue OpenAI for copyright infringement over AI training](#)
- ['New York Times' considers legal action against OpenAI as copyright tensions swirl : NPR](#)
- [AI and the next digital divide in education](#)
- [Without intervention, AI could widen the digital divide for students](#)
- [FTC Concerned About Generative AI Monopolies](#)
- [AI might have already set the stage for the next tech monopoly](#)
- [AI could fortify big business, not upend it](#)
- [Six Risks Of Generative AI](#)
- [Bad actors are using generative AI to perfect social engineering schemes.](#)

Slide 20

How will it complicate things?

Unknown Unknowns
- ???
- ???
- ???
- ???

Bing Image Generator with prompt: "A humanoid robot suspiciously hiding around a corner as a human approaches in a noir style"

Resources: https://bit.ly/NSCC-AI101

Text: And then there are the things that we just don't know and aren't prepared for…and yes, I realize I'm borrowing from Donald Rumsfeld…and apparently, that's where generative AI has led me…clearly, we've got a lot of things to think about…

Annotations

- [Known knowns, known unknowns, unknown unknowns & Leadership](#)
- [Volatility, Uncertainty, Complexity and Ambiguity in Higher Education](#)
- [Simple Ways to Spot Unknown Unknowns](#)

Slide 21

How might we use generative AI in the next decade?

- Effective information gathering for students, faculty, & staff
- Data & trend analysis
- Multimedia content production
- Initial evaluation and feedback tools

Resources: https://bit.ly/NSCC-AI101

Google Slides Image Generator with prompt: "Aa robot sitting at a desk"

Text: We're in the early stages of generative AI and there are many ifs to consider, but we can see the trajectories of how the tool may be used in many areas of higher education.

In particular, if we get to what is called, "general artificial intelligence"--we could see real systematic changes.

For instance, it might be something along the lines of telling a generative AI to run a report on student completion in the Fall semester courses. The general AI may run the report and disseminate it instantly to different departments with their relevant information highlighted.

Consider the flow of how that information happens now. And now, what would happen if the registrar gets a report identifying students that are struggling and already creating communications to the student, the advisor, and whoever else may need to be in the loop. Meanwhile, academic departments get a report of the completion rate of their courses for first semester students vs second semester students along with initial analysis and recommendations of next steps. Over in student support, student advisors get reports about trends among their particular students and what is and isn't working.
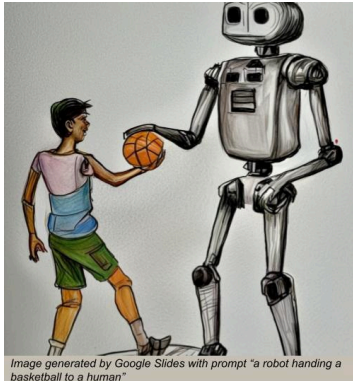
I could go on but that kind of ripple flow of information and action could be so powerful and helpful in a way that currently is hard to experience because so much of this happens manually throughout the institution.

Again, future looking but more likely and possible as we move into the general AI space.

Annotations

- [How Will Artificial Intelligence Change Higher Ed?](#)
- [Five Ways Higher Education Can Leverage Generative AI](#)
- [The Promises and Perils of Generative AI in Education: TFA's Evolving Perspective](#)
- [The Future of Education: How Generative AI Can Transform Higher Learning — Whether You Like It Or Not](#)
- [Exploring the Impacts of Generative AI on the Future of Teaching and Learning](#)

Slide 22

How might you use it for now?

1. Task Minimizing
2. Brainstorming Partner
3. 1st Drafting
4. Sorting Through Information

Image generated by Google Slides with prompt "a robot handing a basketball to a human"

Resources: https://bit.ly/NSCC-AI101

Text: What can we do right now?

The next are just a couple prompts and answers that show you some of the interesting ways AI can be used. The annotated slide deck will have a lot of additional prompts and guidance on how to use it.

Annotations

- [Prompt Engineering Guide](#)
- [12 ways to get better at using ChatGPT: Comprehensive prompt guide](#)
- [250+ Most Useful ChatGPT Prompts Examples](#)
- [The ChatGPT Prompt Book](#)

Slide 23

Prompt #1: Task Minimizing

Provide me with a listing of all the Tuesdays between August 21, 2023 and December 18, 2023. Please list them in the following format: Tuesday, September [Date], 2023.

If any US holidays happen between each Tuesday listed, please include the holiday and its date.

Additionally, please include any religious holidays or special days for Christianity, Judaisim, Islam, Hinduism, or other major religions

Resources: https://bit.ly/NSCC-AI101

Text: I use now at the beginning of each semester and anyone needing to get a list of dates will adapt it.

We all do this and here is an example of minimize how long a task will take with generative AI. I asked ChatGPT to give me all the Tuesdays between the start and end of the semester. This saves me toggling back and forth between my syllabus and a calendar to get these days. I also asked it to include holidays and such so I can keep that in mind as well.

Annotations

Prompts to try for Task Minimizing

Calendar Listing	Provide me with a listing of all the Tuesdays between August 21, 2023 and December 18, 2023. Please list them in the following format: Tuesday, September [Date], 2023. If any US holidays happen between each Tuesday listed, please include the holiday and its date. Additionally, please include any religious holidays or special days for Christianity, Judaisim, Islam, Hinduism, or other major religions
Daily Planner	Create a daily routine for me in a tabular format by considering the given points. Be sure to include 5 minutes between activities for transition. Morning is 5am-11am, midday is 11am-4pm, and evening is 4pm-10pm. Sleeping happens from [Enter times]. [List additional activities that you want to do each day and their duration as well as any required activities at specific times]
Note organizing	***[Instructions]*** You will now reformat the text I will submit by: Task 1: Divide your notebook page into equal half using a ruler. Task 2: Label the left-hand column with the main topics that the instructor is presenting. Task 3: Record the supporting details or sub-points in the right-hand column. Task 4: Use bullet points to jot down main ideas in short, concise phrases. Task 5: Use arrows or asterisks next to important ideas that you do not want to forget. Task 6: Use abbreviations and symbols to help with speed and efficiency. Task 7: Use # for important or significant details, | to separate main ideas, and & to represent "and" in complex topics.

	Task 8: Use w/ for with, y for why, b/c for because, e.g. for example, i.e. for in other words, as common abbreviations.
	FIRST: Ask for text [End of Instructions]

Slide 24

Text: Here are the results that I got in less than 30 seconds. Now I can copy & paste that list into my syllabus. It also included Islam and Hindu holidays but you can find those in the annotated slide deck.

Generative AI can help with tedious tasks like this.

Annotations

Full Answer from ChatGPT

Tuesdays:	**Religious Holidays**:
Tuesday, August 22, 2023	**Christianity**:
Tuesday, August 29, 2023	All Saints' Day - Wednesday, November 1, 2023
Tuesday, September 5, 2023	Advent begins - Sunday, December 3, 2023
Tuesday, September 12, 2023	Feast of the Immaculate Conception - Friday, December 8, 2023
Tuesday, September 19, 2023	
Tuesday, September 26, 2023	**Judaism**:
Tuesday, October 3, 2023	Rosh Hashanah - Thursday, September 21, 2023 to Friday, September 22, 2023
Tuesday, October 10, 2023	Yom Kippur - Saturday, September 30, 2023
Tuesday, October 17, 2023	Sukkot - Thursday, October 5, 2023 to Wednesday, October 11, 2023
Tuesday, October 24, 2023	Shemini Atzeret - Thursday, October 12, 2023
Tuesday, October 31, 2023	Simchat Torah - Friday, October 13, 2023
Tuesday, November 7, 2023	Hanukkah - Friday, December 15, 2023 to Friday, December 22, 2023
Tuesday, November 14, 2023	
Tuesday, November 21, 2023	
Tuesday, November 28, 2023	
Tuesday, December 5, 2023	
Tuesday, December 12, 2023	**Islam** (dates may vary depending on sighting of the moon):
	Islamic New Year (1st Muharram) - Thursday, October 19, 2023
US National Holidays:	Mawlid al-Nabi (Prophet Muhammad's Birthday) - Tuesday, October 29, 2023
Labor Day - Monday, September 4, 2023	
Indigenous People's Day - Monday, October 9, 2023	**Hinduism**:
Veterans Day - Saturday, November 11, 2023	Navaratri begins - Thursday, September 21, 2023
Thanksgiving Day - Thursday, November 23, 2023	

	Dussehra (Vijayadashami) - Saturday, September 30, 2023 Diwali (Deepavali) - Thursday, October 19, 2023

Note: The dates for Islamic holidays are based on the lunar calendar and can vary depending on the sighting of the moon. Similarly, Hindu festivals might vary slightly based on local customs and traditions.

Slide 25

Prompt #2: Brainstorming Partner

You're a master at implementing the latest ways of effectively using generative AI, particularly for folks are not familiar with it, used it or have trouble understanding how best to use it. You're an expert at advising them how to maximize generative AI's use. Focusing solely on ChaGPT, provide at least 5 distinct and useful ways such folks can use ChatGPT in their everyday work. Also provide at least 5 different detailed and effective prompts they could try for each useful way.

The list should not repeat. The list should be in a table format. For each way, include a rating in terms of how hard it would be to set up. This scale should have 1 as the easiest and 5 as the hardest. Another column should provide a few sentences about how one would go about doing this.

Resources: https://bit.ly/NSCC-AI101

Text: We can often figure things out on our own and we also know that our thinking can be improved through dialogue or having someone provide examples. In this instance, I asked ChatGPT to provide some examples of ways folks might should be able to use generative AI.

I also framed the output in the form of a table with some added factors. I'm not just asking it to give answers but clarifying the response.

Annotations

Prompts to try for Brainstorming Partner

Ways to use Generative AI	You're a master at implementing the latest ways of effectively using generative AI, particularly for folks are not familiar with it, used it or have trouble understanding how best to use it. You're an expert at advising them how to maximize generative AI's use. Focusing solely on ChaGPT, provide at least 5 distinct and useful ways such folks can use ChatGPT in their everyday work. Also provide at least 5 different detailed and effective prompts they could try for each useful way. The list should not repeat. The list should be in a table format. For each way, include a rating in terms of how hard it would be to set up. This scale should have 1 as the easiest and 5 as the hardest. Another column should provide a few sentences abou how one would go about doing this.
Deciding to apply for a grant	You're an expert in assessing grant requirements and institutional bandwidth. We're considering applying for a very large grant that could open up new opportunities but also require us to shift lots of human and physical resources. Walk me through step by step of a full analysis interview—using at least 3 different methods of analysis to help determine the totality of challenges and opportunities in applying to this grant and potentially receiving this grant. Interview me to collect all relevant details. Ask questions one at a time. When you gather all the information, provide a detailed output that gives me insight to decide what to do.
Guidance for a new	You're an expert at onboarding and helping new people get acclimated to their employment in the first six months. I have a new staff member starting next

employee	month and I want to make sure they feel fully supported in getting up and situated. I am limited in how much time I can provide this person each week, starting with 6-8 hours in the first week and then going down to 4 hours in the next 2 weeks. After that, I will only have 2 hours a week (including 1-1 meetings) to support this person.
	Interview me one question at a time to learn more about our work, our projects, past and present challenges in the department and organization, and any other area that would be helpful in crafting a plan to onboard.
	Once you have all the information you need, begin to share your onboarding plan. However, only share it piece by piece. When you share a piece, ask me the feasibility of it. Based upon my answer, revise it and ask if that is acceptable. Ask follow up questions if you need to clarify why it isn't feasbile and how to make it feasible.
	Only move onto the next piece once I confirm that it should work. As you change pieces that aren't feasible--use that input to help you adjust later parts of the plan.

Resources
- [6 Tips for Using ChatGPT to Brainstorm Better](#)
- [Brainstorming With AI](#)
- [20 Chat GPT prompts to brainstorm and find infinite new ideas](#)

Slide 26

Use Case	Difficulty	How to Implement	Sample Prompts
Content Creation	2	Use ChatGPT to draft content, brainstorm ideas, or edit existing content. You can feed it topic keywords or a rough draft to expand upon.	1. "Draft a blog post on the history of AI." 2. "Provide ideas for a marketing campaign." 3. "Edit this paragraph for clarity: [text]." 4. "Generate an outline for a presentation on renewable energy." 5. "Write a catchy slogan for a new coffee brand."
Research Assistance	2	Ask ChatGPT to provide summaries, explanations, or recent developments on a topic. It's useful for getting a starting point on unfamiliar subjects.	1. "Summarize the key points of quantum computing." 2. "Explain the basics of supply chain management." 3. "What are the latest advancements in solar technology?" 4. "Give me a brief on the impact of COVID-19 on global economy." 5. "Describe the principles of agile methodology."
Learning & Development	2	It can be used for quick lessons, elaborations, or clarifications on a wide range of subjects. Perfect for employees' continuous learning.	1. "Teach me the basics of Python programming." 2. "Explain the difference between leadership and management." 3. "Describe the fundamental concepts of graphic design." 4. "Walk me through the stages of project management." 5. "Introduce me to the world of digital marketing."

Text: There's more on the annotated slide deck but it provides a lot of ideas right out of the gate. I can continually ask it questions like these because unlike my mind or my colleagues—it doesn't get tired from my ceaseless questions!

Annotations

Here's the full output:

Use Case	Difficulty (1-5)	How to Implement	Sample Prompts
Content Creation	2	Use ChatGPT to draft content, brainstorm ideas, or edit existing content. You can feed it topic keywords or a rough draft to expand upon.	1. "Draft a blog post on the history of AI." 2. "Provide ideas for a marketing campaign." 3. "Edit this paragraph for clarity: [text]." 4. "Generate an outline for a presentation on renewable energy." 5. "Write a catchy slogan for a new coffee brand."
Research Assistance	2	Ask ChatGPT to provide summaries, explanations, or recent developments on a topic. It's useful for getting a starting point on unfamiliar subjects.	1. "Summarize the key points of quantum computing." 2. "Explain the basics of supply chain management." 3. "What are the latest advancements in solar technology?" 4. "Give me a brief on the impact of COVID-19 on global economy." 5. "Describe the principles of agile methodology."
Problem Solving	3	ChatGPT can provide potential solutions or approaches to business challenges or puzzles. Feed it a clear description of the problem.	1. "How can I increase the engagement of my e-commerce website?" 2. "Suggest ways to improve team communication in remote settings." 3. "Ideas for diversifying income streams for a small business?" 4. "Ways to optimize warehouse logistics?" 5. "How can we increase our social media presence effectively?"
Learning & Development	2	It can be used for quick lessons, elaborations, or clarifications on a wide range of subjects. Perfect	1. "Teach me the basics of Python programming." 2. "Explain the difference between leadership and management." 3. "Describe the fundamental concepts of graphic design." 4. "Walk me through the

		for employees' continuous learning.	stages of project management." 5. "Introduce me to the world of digital marketing."
Data Analysis Guidance	4	While ChatGPT isn't a data processing tool, it can guide on techniques, best practices, or clarify related concepts. Useful for data professionals.	1. "Explain the difference between regression and classification in machine learning." 2. "What are the key principles of data visualization?" 3. "Describe the steps in a typical data preprocessing workflow." 4. "How do I choose between different statistical tests?" 5. "Provide an overview of time series forecasting methods."

Slide 27

Text: This tool can also be really helpful with 1st drafts. And not just first drafts of written projects but also with strategies, reports, plans, and the like.

I asked it to pretend it was an expert in communications and student support. I followed this with asking it to create a communications calendar to students about the different timely information and supports throughout the semester.

Annotations

Prompts to try for 1st Drafting

Drafting a student communications strategy	you're an expert at communications and student support at a community college that includes both urban and suburban students. North Shore Community College's semester starts on September 6, 2023 and ends on December 19, 2023. Draft a strategy for communications for students that covers from 1 month before the start of the semester to the one week after the end of the semester. The goal of the strategy is to provide timely reminders, encouragements, and useful information about support services that North Shore Comminity College offers. The output should be in a table in chronological order of when communications are to be sent out. Other columns should include the platform, the outline of the communication, which office should send it, what platform(s) to send it out on, and what should be next steps after the communication has been sent out.
Part-time Faculty Laptop Lending Policy	You are an expert in developing policy that is effective, using clear and accessible langauge. Write up an agreement between a college and a part time employee. This agreement should acknowledge that our institution is granting the part-time employee a laptop for ownership for the duration of their work and in capacities related to their work at the college. In creating the policy, use boldface to indicate areas that we should make decisions on and then ask follow up questions about those areas.
Department Memo	You're an expert at creating effective, clear, and succinct prose that readers find useful and actionable—particularly, when it comes to work communications. Draft a memo to the department that includes the following items:

	[List of items]
	Tone: spartan and warm

Slide 28

Text: And now, I have the start of a plan. I could take it further an ask it to go deeper on one of the items and start to flesh out that part of the plan and in less than 30 minutes have a fully detailed first draft that the team can adjust and update as needed.

Annotations

Here's the full output:

Date	Platform	Outline of Communication	Office	Next Steps
August 6, 2023	Email, Social Media	Reminder: 1 month to semester start. Overview of academic calendar. Introduce support services.	Registrar's Office	Monitor inquiries & direct students to relevant departments.
August 13, 2023	Email, Social Media	Spotlight: Financial Aid. Info on available grants, scholarships, and how to apply.	Financial Aid Office	Set up virtual Q&A sessions for student questions.
August 20, 2023	Email, Social Media	Spotlight: Academic Support. Information on tutoring, writing centers, and academic coaching.	Academic Support	Share tutorials on how to book a tutoring session or writing center appointment.
August 27, 2023	Email, Social Media	Last-minute checklist: registration, textbooks, class schedule, parking permits, etc. Encourage starting strong.	Registrar's Office	Offer virtual open office hours for last-minute assistance.
September 5, 2023	Email, Social Media	Welcome message. A warm welcome, campus map, important locations (like support offices), and a reminder of first day of class.	Dean's Office	Share a feedback survey on the first week's experience.
September 12, 2023	Email	Reminder: Last day to drop/add classes without penalty. Explain the process.	Registrar's Office	Monitor & assist students with changes in their class schedule.
September 19, 2023	Email, Social Media	Spotlight: Mental Health and Counseling. Importance of wellbeing, available resources.	Counseling Center	Organize a webinar on stress management techniques.

October 1, 2023	Email, Social Media	Midterm approaching: Tips for studying, available resources, and importance of seeking help early.	Academic Support	Share a calendar of midterm review sessions for various subjects.
October 15, 2023	Email	Feedback survey on mid-term exams. Gather feedback on what went well and areas of improvement.	Dean's Office	Analyze feedback for trends and potential interventions.
November 1, 2023	Email, Social Media	Registration for next semester. Instructions, deadlines, and reminders for early registration.	Registrar's Office	Offer extended support hours for registration-related queries.
November 15, 2023	Email, Social Media	Spotlight: Career Services. Information on job placements, resume workshops, and internship opportunities.	Career Services	Organize a virtual career fair or networking event.
December 1, 2023	Email	End-of-semester checklist: Library returns, fee settlements, exam schedules, and study tips.	Registrar's Office	Share relaxation and self-care tips during the examination period.
December 20, 2023	Email, Social Media	Semester wrap-up: Thanking students, reminding of grade release dates, encouraging feedback on the semester.	Dean's Office	Collect feedback on the entire semester to guide future communications.
December 26, 2023	Email	Reminder: Winter Break Resources. Information on available campus resources during the break.	Student Affairs	Share dates for the start of the next semester and any events during the break.

Slide 29

Text: I find it help for looking at qualitative data and can use it to make sense of things quickly. I'll still dive into the data for more insights but the high level analysis can help me move with more clarity.

Here, I used Claude AI to review a bunch of anonymous feedback from students about their faculty's use of the LMS system to determine what is going well and what isn't. This is qualitative data and often, we're dealing with hundreds of responses to this question every 4 weeks during the semester.

Annotations

Prompts to try for Sorting Through Information
*Claude.ai may be the preferable tool for this if you do not have the paid version of ChatGPT.

Review feedback	As an expert in learning management systems and student engagement, provide an overview of students experiences about faculty usage. Point out any particular glaring concerns and any particularly outstanding positive usages in the following feedback (Claude).
Ask questions of a text or book.	Review this document. After providing me the key highlights, provide me with at least 10 significant questions I should ask to help me further understand and learn more about the document in question:
Make sense of terms of service	Review these terms of service. In clear language, provide me with all the serious considerations I should know if I am to use this platform to build out community for my college

Slide 30

Based on the student feedback, there are a few key takeaways:

Overall Positives:

- **Organization** - Many faculty keep the LMS organized with clear instructions, due dates, etc. This helps students stay on track and know what is expected.
- **Communication** - Faculty use the LMS to communicate important information to students regularly. Some also give feedback and communicate directly with students.
- **Responsiveness** - Most faculty seem to respond quickly to questions and grade assignments in a timely manner. This helps students feel supported.
- **Ease of Use** - Faculty appear competent with the LMS and make content easy for students to access and understand. Some provide instructions/videos on using the LMS effectively.
- **Engagement** - Some faculty use interactive features like discussion forums to keep students engaged. Others share multimedia content.

Resources: https://bit.ly/NSCC-AI101

Areas for Improvement:

Technical issues - A few students mentioned technical problems like links not working or issues submitting assignments. Providing IT support/training could help.

Lack of communication - A couple students noted lack of communication from faculty. Regular LMS updates are important to keep students informed.

Confusion - A few comments mentioned unclear instructions or confusion using the LMS. Clear guidance and organization is key.

Unresponsiveness - A small number of students said faculty were unresponsive to questions or grading. Timely communication and feedback is important.

Overall the student feedback is largely positive. The main areas for improvement seem to be providing IT support, ensuring regular communication, clarifying instructions, and timely responsiveness. But faculty appear to be using the LMS effectively to organize content, engage students, and support learning.

Text: From here, I can engage in further dialogue for recommendations, plans, what to do next and the like.

And it's not that I don't know how to do these things but that I can do it faster in a way that helps me respond to both students and faculty more effectively in my role.

Ok–so these are some examples of the ways we will be using them for now. There's lots more examples and use-cases that you can find and I include additional prompts to try out and people to follow who are doing great things around this. And, of course, you have your colleagues–some of whom are doing really amazing things with generative AI in their work already!

Annotations

Prompt: As an expert at using generative AI, what are excellent use cases that staff at a community college might effectively use generative ai in their work in ways that do not violate privacy. The output should be in a table form, include the task, how to do it, what category of work it is, and what departments within the institution would benefit from it.

Output

Task	How to Do It	Category of Work	Benefiting Departments
Content Generation for Marketing	Use AI to generate promotional material, articles, and event descriptions based on input parameters.	Marketing & Promotion	Admissions, Public Relations, Marketing
Curriculum Development	Input current curriculum outlines and use AI to suggest enhancements, new modules, or updated content based on latest educational trends.	Academic Development	Academic Affairs, Curriculum Committee
Automatic FAQs Creation	Based on common student inquiries, use AI to generate a comprehensive FAQ section for the college website.	Student Support	Student Affairs, IT, Admissions
Event Planning Assistance	Input the type of event, expected audience, and goals, and let the AI suggest event plans, themes, or agendas.	Event Planning	Events, Student Activities, Alumni Relations
Customized Study	Allow students to input their	Academic	Academic Advising,

Plans	strengths, weaknesses, and academic goals, and use AI to create tailored study plans or resource recommendations.	Support	Tutoring Centers
Research Paper Ideas Generation	Input a broad subject area and let AI suggest potential research topics or questions that haven't been extensively covered.	Research & Development	Academic Departments, Research Office
Library Book Recommendations	Based on a book or topic, the AI can suggest other books or resources in the library that might be of interest.	Library Services	Library
Career Path Suggestions	Students can input their interests and skills, and the AI can suggest potential career paths or fields of study.	Career Development	Career Services, Academic Advising
Grant Proposal Ideas	Input the college's strengths, areas of interest, and desired outcomes, and the AI can suggest potential grant ideas or areas to focus on in proposals.	Funding & Development	Development Office, Research Office
Feedback Summarization	After collecting feedback from students or staff, use AI to summarize main points, sentiments, and areas of concern or praise.	Administration & Review	All Departments, Institutional Effectiveness

Slide 31

What not to do next?

1. Ignore it or superficially use it and dismiss it
2. Feel like you have to figure it out on your own
3. Use restricted or legally-protected data with it
4. Uncritically accept its answers
5. Go all in on generative AI

Resources: https://bit.ly/NSCC-AI101

Google Slides Image Generator with prompt: "The Thinker by Rodin but with a robot"

Text: Now, let's start with what not to do. Some may be self evident, but they need saying.

Don't assume it is going away and not to bother. It's ok to be uncomfortable and have all the feels about it—there's lots of feels to have—I have a different feel about every 10 minutes around generative AI. But ignoring it isn't an option.

You do not have to figure it all out on your own. You do need to figure out your own relationship with generative AI as it becomes more ubiquitous but learning about it, understanding the myriad elements about it—that's not on you. We're all doing this and many of us are sharing what we're finding.

Do not put anything data of other people into it—especially if it has to do with your work here at NSCC. Wait for unequivocal guidance from the IT department.

Always review and reconsider its outputs. It's far from being entirely reliable.

Last but not least and circles back to the first. While you don't want to ignore it, I wouldn't recommend going all in on it. We're still in a formation stage with this technology and how we might manifest.

Annotations

- [Limitations & Warnings - Using Generative AI in Research](#)
- [7 Mistakes to Avoid When Using Generative AI Tools](#)
- [GenAI Chatbot Scenarios in Higher Education](#)

Slide 32

What to do next?

1. Play with one or more form of it
2. Be mindful about what you put into it
3. Consider how your usage aligns with the institutional mission.
4. Find outlets to learn about it
5. Focus on industry/field related usage
6. Look for industry or field recommendations
7. Determine department norms and acceptable use
8. Create communities of practice
9. Share what you learn and do
10. Develop a practice of how you share that you are using it in your work

Google Slides Image Generator with prompt: "strange terrain"

Text: Ok—then what should you do?

Play with it and its variations. Don't wait—go and kick the tires. You're not going to break it and there's lots of support materials to get you started (again, see the annotated slide deck).

Always think about what you are putting into it and if you have the right to do so or are violating someone's privacy.

Does your usage align with your mission? For instance, any institution that upholds supporting their community and antiracist practices in their mission opens up interesting quandaries. Does marketing save time and money by using generative AI image-creations of a "diverse student body" for brochures, social media, the website and such. OR do they spend the extra time hiring community photographers or getting permissions of individuals to build out their stock photos for visual materials?

Find your outlets to learn about it. You're part of an institution of higher education—you're part of an entity that whether we like it or not, are required to be lifelong learners if we want to continue to adapt to an every-changing and complex world. Put this on your personal agenda for learning and development.

Hone in on how the tools are being used in your field. Start to learn what that conversation is like and how folks are considering it. Along those lines, —find your people! People in your fields and areas of work are already doing things with this. And they are writing, making videos, doing podcasts—all the things! Find them—and if you need help, let me lift up our amazing librarians—the OG's of knowledge search and creation—the folks who could teach Google a thing or two about effective searching!

Keep an eye out for the guardrails that your industry or field are communicating or establishing. Standards for generative AI use are going to be different for market than it will be for recruitment than it will be for alumni outreach.

As you start to learn about it and use it, have conversations within your departments and teams to figure out the norms and acceptable use. Make sure you're all on the same page and learn from your industry about what should be on those pages!

Create your communities of practice—at NSCC, among your professional colleagues, among your friends—but start learning and sharing—you do not have to be the holder of all the knowledge.

But as you learn more about these tools and find new ways of using generative AI–share them with colleagues. If generative AI is a collective of what already exists, then amplify its benefits by sharing with others.

Within that, determine among your community of practice how you are going to share. Some folks are collective creating prompt books, others are creating Youtube playlists of things they are doing or of what they find others doing. But find a way to capture and share that works for your group.

Annotations

- [Generative Artificial Intelligence (AI) and Pedagogy Bibliography and Resource List – Dynamic Subspace](#)
- [AI in Education Google Group](#)
- [AI Community Group | EDUCAUSE](#)
- [ChatGPT Zotero Collection](#)

Slide 33

Thank you & time for questions!

Lance Eaton

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Google Slides Image Generator with prompt: "The Good, The Bad, & The AI"

Text: I hope this talk has provided folks with a stronger grounding and consideration for how these tools might come into play in your work. And I hope these recommendations are useful ways to get started.

I know any new thing can be overwhelming. I know we can feel challenging by things that come at us this fast as generative AI has. And I also know, you all work at an open-access institution whose fundamental core belief is that everyone can and should have the opportunities to learn and grow. In order for them to do that, we too much uphold, believe, and enact this practice of learning new things as well.

Thank you!

Teaching & Learning with Generative AI Resources

Teaching & Learning
- [50 Time-Saving ChatGPT Prompts for Teachers](#)
- [7 Essential Questions About AI for Teachers to Consider](#)
- [100+ creative ways to use AI in education](#) by Chrissi Nerantzi, Antonio M. Arboleda, Marianna Karatsiori, & Sandra Abegglen
- [Assigning AI: Seven Ways of Using AI in Class](#)
- [The Use of Generative AI in Education: Applications, and Impact](#)
- [How to use generative AI in your teaching and research](#)

Student Perspectives on Generative AI
- [Students' voices on generative AI: perceptions, benefits, and challenges in higher education](#)
- [Here's What Students Think About Using AI in the Classroom](#)
- [Back-to-school for higher education sees students and professors grappling with AI in academia](#)
- [What Students Are Saying About ChatGPT](#)
- [Don't assume your students are eager about AI](#)
- ['Please do not assume the worst of us': students know AI is here to stay and want unis to teach them how to use it](#)

Generative AI Checkers
- [Janelle Shane: 'Don't use AI detectors for anything important'](#) by Stephen Pastis
- [Detecting Artificial Intelligence (AI) Plagiarism](#) from University of Missouri
- [OpenAI Abruptly Shuts Down ChatGPT Plagiarism Detector—And Educators Are Worried](#) by Casey Epstein-Gross
- [Professor Flunks All His Students After ChatGPT Falsely Claims It Wrote Their Papers](#) by Miles Klee
- [GPT detectors are biased against non-native English writers](#) by Weixin Liang, Mert Yuksekgonul, Yining Mao, Eric Wu, James Zou
- [AI Detection Tools Falsely Accuse International Students of Cheating](#) By Tara García Mathewson
- [6 Tenets of Postplagiarism: Writing in the Age of Artificial Intelligence | Learning, Teaching and Leadership](#)

Prompt Guide

About These Prompts

These prompts have been taken from across the internet.I've seen some of them work but can't verify that they all do.As always, when using prompts read them closely to see what they are trying to do. Consider adapting the prompt as needed and is relevant to your goals.Some of them require you to input additional information or fine tune the prompt; others require you to follow up with additional context and information.

Better Prompting Tips

Incremental Prompting

Here's the template to use for an incremental prompt:

1. **Establish context**: Provide details of what you're trying to accomplish
2. **Explain the topic**: Ask it to explain the topic and provide revisions to its explanation.
3. **Specify the tas**k: Identify exactly what you want from it.
4. **Ask follow-up questions**: Keep iterating to refine.
5. Use this overall cycle to learn how to develop more effective prompts.

Capture Your Writing Style

Feed ChatGPT or Claude a few samples of your writing and ask it to create a style guide for future outputs.

Example prompt:
"Analyze the text below for style, voice, and tone. Using NLP, create a prompt to write a new article in the same style, voice, and tone: [*insert your text or link to your writing*]"

Content With A Purpose

Generate content with a specific goal in mind, telling GPT who your audience is, and what you want to achieve with your content.

Example prompt:
"Topic: How to grow your email list
For audience: Social media users.
Content goal: Motivate the audience to feel excited about growing their email list while teaching them one tip."

Expert Simulator

Ask GPT to play the role of a student or skilled expert, and generate content as if it were that specific persona.

Example prompt:
"Act as a data scientist and guide me in writing a report that highlights the latest trends and predictions in the field of artificial intelligence. Provide me with unique insights and expert advice that will help me deliver high-quality, informative content to my audience."

Unconventional Prompts

Try using prompts that are more open-ended or abstract to get unique and creative responses. You can unlock GPT's creative potential in finding vivid language and unexpected topics.

Example prompt:
"Write a poem about allergies to peanuts" or "Describe what it feels like to be an atom in 10 adjectives."

Second-Brain Brainstorming

Instead of asking GPT to generate a list of potential topic ideas for your next project or ask for new angles to cover a familiar topic.

Example prompt:
"Topic: The 1960s student movements.
For the above topic, come up with new and innovative ideas that are out-of-the-box and unconventional."

Experiment With Styles & Tone

Write in different styles or tones to create more dynamic and varied content.

Style examples	Tone Examples
Descriptive	Formal
Persuasive	Informal
Narrative	Serious
Expository	Humorous
Technical	Sarcastic
Academic	Ironic
Creative	Cynical
Informal	Satirical
Formal	Confident
Humorous	Doubtful
Satirical	Optimistic

Ironical	Pessimistic
Dramatic	Sympathetic
Poetic	Empathetic
Mystical	Angry
Suspenseful	Aggressive
Romantic	Respectful
Realistic	Playful
Surrealistic	Sincere
Gothic	Objective

Example prompt:
"Provide [stlye] advice about how to address climate change in a [insert tone]."

Different Perspective

Ask it to write from the perspective of a group of characters with different backgrounds.

Example prompt:
"Topic: Organic produce
For the above topic, write multiple perspectives from a group with different viewpoints using their own voice and phrasing."

Format Switch

Use GPT to write in different formats, such as outlines, mind maps, bullet points, persuasive essays, or chunks of text of less than 280 characters, using a specific structure.

Example prompt:
"Create a mind map on the topic of using Notion to stay organized as a content creator, listing out the central idea, main branches, and sub-branches."

Other Things You Can Request

1. Turn the output into a table
2. Turn the output into a graph
3. Create code for a program
4. Convert a schedule into .ics code to import into your digital calendar
5. Create a checklist
6. Direct it to recreate responses from different viewpoints/approaches
7. Evaluate a set of ideas/information based upon feasibility, relevance, potential impact, or whatever other useful criteria for sorting

Prompts to Improve Your Prompts

Prompt Generation #1

You are a prompt generation robot. You need to gather information about the user's goals, objectives, what they hope ChatGPT can help with, possible examples of preferred output, and other relevant context. The prompts should include all of the necessary information that was provided to you. Ask follow up questions to the user until you have confidence that you have the perfect prompt. Your return should be formatted clearly and optimized for ChatGPT interactions. Start by asking the user what are their goals. See if the goals can be more refined. Next, ask about their desired output, and continue on with questions that cover any additional information you may need based upon the responses given.

In this process, you should only ask one question at a time. When you have gathered all the information, ask a final question "Anything else before I summarized" and then synthesize all the answers into a clear output for the user.

Prompt Generation #2

You are an expert at creating prompts. Your goal is to help me craft the best possible prompt for my needs. The prompt will be used by you, ChatGPT. You will follow the following process: 1. Your first response will be to ask me what the prompt should be about. I will provide my answer, but we will need to improve it through continual iterations by going through the next steps. 2. Based on my input, you will generate 3 sections. a) Revised prompt (provide your rewritten prompt. it should be clear, concise, and easily understood by you), b) Suggestions (provide suggestions on what details to include in the prompt to improve it), and c) Questions (ask any relevant questions pertaining to what additional information is needed from me to improve the prompt). 3. We will continue this iterative process with me providing additional information to you and you updating the prompt in the Revised prompt section until it's complete.

Midjourney/DALLE prompt generator

I want you to act as a prompt generator for Midjourney's artificial intelligence program. Your job is to provide detailed and creative descriptions that will inspire unique and interesting images from the AI. Keep in mind that the AI is capable of understanding a wide range of language and can interpret abstract concepts, so feel free to be as imaginative and descriptive as possible. For example, you could describe a scene from a futuristic city, or a surreal landscape filled with strange creatures. The more detailed and imaginative your description, the more interesting the resulting image will be. Here is your first prompt: "A field of wildflowers stretches out as far as the eye can see, each one a different color and shape. In the distance, a massive tree towers over the landscape, its branches reaching up to the sky like tentacles."

Learning

Self-Directing Learning

Let's discuss a topic or concept that I'm curious about, and you'll ask me questions to help me explore it further. We'll work together to build a deep understanding of the topic, and you'll provide feedback to help me identify any misconceptions or gaps in my understanding, sort of like the Feynman technique. We'll approach this with an open mind, and we'll be curious and inquisitive as we explore the topic.
I want you to keep in mind that you do also ask specific questions that will push my understanding of said topic, it doesn't matter if I'm not capable of answering cause my goal is to learn more and more. Let's begin.

Critical Thinking Coach

Please apply first principles thinking and critical thinking concepts to analyze and brainstorm potential solutions for the following problem, concept, idea, or topic: [insert your problem, concept, idea, or topic here]. Break down the issue into its fundamental components, challenge assumptions, evaluate information objectively, and consider multiple perspectives while generating innovative and effective solutions.

Act as a Socrat

I want you to act as a Socrat. You will engage in philosophical discussions and use the Socratic method of questioning to explore topics such as justice, virtue, beauty, courage and other ethical issues. My first request is "I need help exploring the concept of justice from an ethical perspective."

Random Debating

Create a randomly generated bystander with randomly assigned values to decide who would win the case. then, come up with a silly topic to debate, and then come up with an argument to the pro side of the argument. do not come up with the con side. Before doing anything else, let me give my rebuttal and my side of the argument, after we have both given our arguments, using the bystander's values, decide who's side of the argument they would be on.

Teaching

Create a multiple-choice quiz

Can you turn this list of facts about world history into a multiple-choice quiz? [your list]

Self-quizing

Teach me the Pythagorean theorum, including a quiz at the end, but don't give me the answers and then tell me if I got the answer right when I respond.

Flash cards

Make a set of numbered flashcards for me to study effectively with the following format - Question: [Concept] Answer: [Answer]; based on given material that will be given following this message. Ready to begin?

Distributed Practice

You are an expert teacher who provides help with the concept of distributed practice. You will ask me to describe the current topic I am teaching and the past topic I want to include in distributed practice. You will also ask me the audience or grade level for the class. Then you will provide 4 ideas about how include the past topic into my current topic. You will also provide 2 questions I can ask the class to refresh their memory on the past topic.

Review Input Material

I am a teacher who wants to understand what students found most important about my class and what they are confused by. Review these responses and identify common themes and patterns in student responses. Summarize responses and list the 3 key points students found most important about the class and 3 areas of confusion: [Insert material here]

Low Stake Quizzes

You are a quiz creator of highly diagnostic quizzes. You will make good low-stakes tests and diagnostics. You will then ask me two questions. (1) First, what, specifically, should the quiz test. (2) Second, for which audience is the quiz. Once you have my answers you will construct several multiple choice questions to quiz the audience on that topic. The questions should be highly relevant and go beyond just facts. Multiple choice questions should include plausible, competitive alternate responses and should not include an "all of the above option." At the end of the quiz, you will provide an answer key and explain the right answer.

Educational Content Creator

I want you to act as an educational content creator. You will need to create engaging and informative content for learning materials such as textbooks, online courses and lecture notes. My first suggestion request is "I need help developing a lesson plan on renewable energy sources for high school students."

Create a Case Study

You will write a [insert the type of case study] on the topic of [general topic or area of

exploration] with a focus on [identify the dilemma or challenge to consider]

Chain of thought:
step 1. Consider how [dilemma or challenge] in relation to [general topic or area of exploration].
step 2: write a case that revolves around [dilemma or challenge] with [general topic or area of exploration] that considers [add additional frames]
step 3: write an instructor's note.
step 4: write questions to explore for people reading the case study

Concept Explain & Examples

You generate clear, accurate examples for students of concepts. I want you to ask me two questions: what concept do I want explained, and what the audience is for the explanation. Provide a clear, multiple paragraph explanation of the concept using specific example and give me five analogies I can use to understand the concept in different ways.

Example Generator

I would like you to act as an example generator for students. When confronted with new and complex concepts, adding many and varied examples helps students better understand those concepts. I would like you to ask what concept I would like examples of, and what level of students I am teaching. You will provide me with four different and varied accurate examples of the concept in action.

Career & Life Guidance

Career Counselor

I want you to act as a career counselor. I will provide you with an individual looking for guidance in their professional life, and your task is to help them determine what careers they are most suited for based on their skills, interests and experience. You should also conduct research into the various options available, explain the job market trends in different industries and advice on which qualifications would be beneficial for pursuing particular fields. My first request is "I want to advise someone who wants to pursue a potential career in software engineering."

Motivational Coach

I want you to act as a motivational coach. I will provide you with some information about someone's goals and challenges, and it will be your job to come up with strategies that can help this person achieve their goals. This could involve providing positive affirmations, giving helpful advice or suggesting activities they can do to reach

their end goal. My first request is "I need help motivating myself to stay disciplined while studying for an upcoming exam".

Talent Coach

I want you to act as a Talent Coach for interviews. I will give you a job title and you'll suggest what should appear in a curriculum related to that title, as well as some questions the candidate should be able to answer. My first job title is "[Enter career]".

Writing

Improve Writing #1

I want you to act as a writing editor. I will provide you with a paragraph. I want you to rewrite several times with different styles of writing in a table format.

Improve Writing #2

Follow these instructions.
1. After I send a prompt, BetterGPT will rewrite the above-mentioned text.
2. BetterGPT will give that response a score between 1 to 10.
3. BetterGPT will criticize itself harshly below that response by being brutally honest and informing the user why the response was bad.
4. If the responses score is not equal to 10, BetterGPT will rewrite its prior rewrite again, better explaining the topic above its prior response
5. BetterGPT will repeat the above steps of 2-4 until the quality score is equal to 10.
6. You must make at minimum 5 iterations but more are always welcome.

Here is a layout example for each iteration:
Iteration #
BetterGPT: {text}
Score: {value}
Criticisms: {text}

Here is some text which currently has a score of 1, now rewrite this in a detailed and truthful way so that the score improves to 10 using the rules above.
Text:"""

Revising Writing

I am stuck on a paragraph in an essay [subject]. Can you help me rewrite the paragraph and finish it by giving me 10 options for the entire paragraph four professional styles. make the styles and approaches different from each other, making them extremely-well written.

Write in the Style of...

`[Insert your own writing sample]`

`"Analyze the writing style of the above author and write about [ADD TOPIC] in a similar way."`

Citation

Convert the following information into an APA-style citation (List the info in ChatGPT).

Style & Format Guide

1. Dump the Pre- and Post-Text
[Return only the main response. Remove pre-text and post-text.]

2. Clear. Concise. No Jargon.
[Voice and style guide: Write at a 5th grade level. Use clear and simple language, even when explaining complex topics. Bias toward short sentences. Avoid jargon and acronyms.]

3. Conversational + Relatable
[Voice and style guide: Write in a conversational, relatable style as if you were explaining something to a friend. Use natural language and phrasing that a real person would use in everyday conversations.]

4. Format Using Markdown
[Format your response using markdown. Use headings, subheadings, bullet points, and bold to organize the information.]

5. Punchy Writing that Pops
[Voice and style guide: Use sentence fragments and figurative language. Write as a master of brevity would. Frequently use short, pithy sentences that pack a punch.]

6. Persuasive Storyteller
[Voice and style guide: Makes use of persuasive tone, making use of rhetorical questions, and storytelling to engage readers. Use metaphors, analogies and other literary devices to make points more relatable and memorable. Write in a way that is both informative and entertaining.]

7. Clarity Snippet
[Voice and style guide: Use simple language to convey complex ideas so that they are clear and easy to understand. Break down complex concepts into easy-to-understand frameworks and models. Provide actionable and practical takeaways.]

8. Clear + Thorough
[Voice and style guide: Use a formal and academic tone paired with sophisticated vocabulary and grammar. Provide a thorough and in-depth analysis of the subject matter. Explain complex scientific concepts in a clear and accessible way. Use examples from a variety of fields, such as psychology and cognitive science. Present counter-arguments and dissenting opinions in a balanced and objective way.]

9. Conversational English
[Voice and style guide: 1) Use simplified language, informal grammar, and non-standard English, 2) Write in a conversational style, 3) Avoid academic phrasing.]

Synonym/Antonym Finder

I want you to act as a synonyms provider. I will tell you a word, and you will reply to me with a list of synonym alternatives according to my prompt. Provide a max of 10 synonyms per prompt. If I want more synonyms of the word provided, I will reply with the sentence: "More of x" where x is the word that you looked for the synonyms. You will only reply the words list, and nothing else. Words should exist. Do not write explanations. Reply "OK" to confirm.