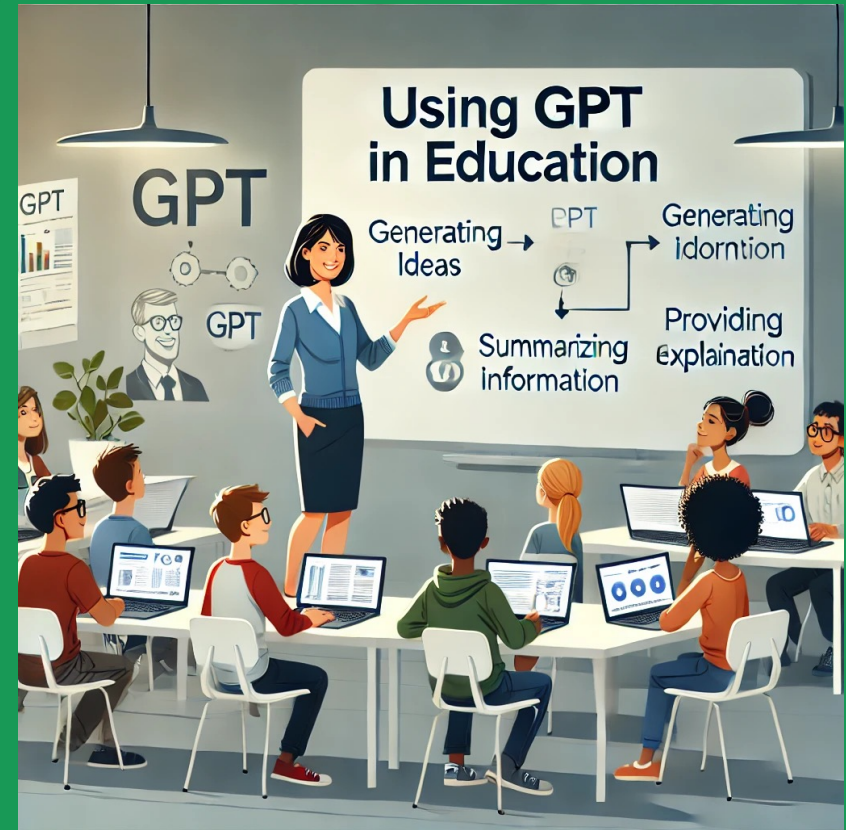


USING AI IN THE CLASSROOM



Certificate Requirements



To earn professional development hours for webinars, you must:

- Watch a minimum of 45-minutes and you will automatically receive a professional development certificate via e-mail within 24 to 48 hours.

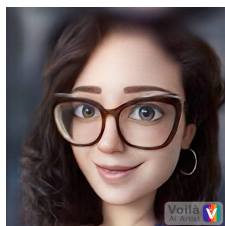
Presenter(s)



Florencia Gabriele PhD



Douglas Chrystall



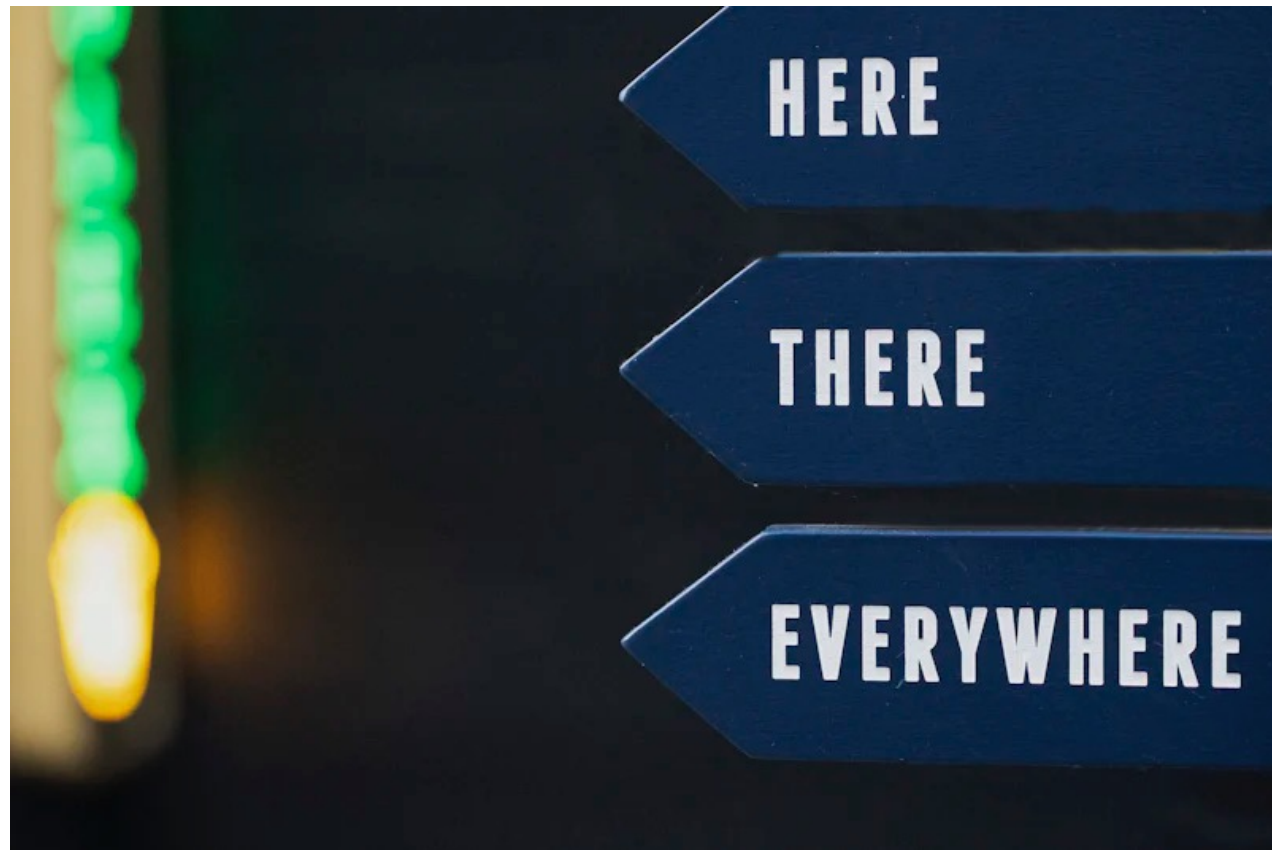
Candela

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LETS START!



AI IS EVERYWHERE



AI WILL CHANGE RELATIONSHIPS





AI will
change every
job

AI IS THE NEW BOTTOM LINE




CHEATING AND DETECTION

**“This is the worst AI
will ever be.”**

Donald Clark, Plan B blog, July 16, 2023



Always Be Cautious



“THE POTENTIAL BENEFITS OF
ARTIFICIAL INTELLIGENCE
ARE HUGE, SO ARE THE
DANGERS.” -DAVE WATERS

EVERYTHINGSUPPLYCHAIN.COM

Questions Every AI Educator Should Ask

- **Utilize AI for Teaching:** Identify if and how AI can assist in creating resources or collaborating on tasks.
- **Empower Students with AI:** Enable students to use AI meaningfully, building skills for future applications.
- **Ethical and Current AI Practices:** Consider ethical implications and stay updated on AI tools relevant to students.
- **Foster Key Skills with AI:** Use AI to enhance collaboration, critical thinking, and problem-solving in the classroom.

Session Agenda

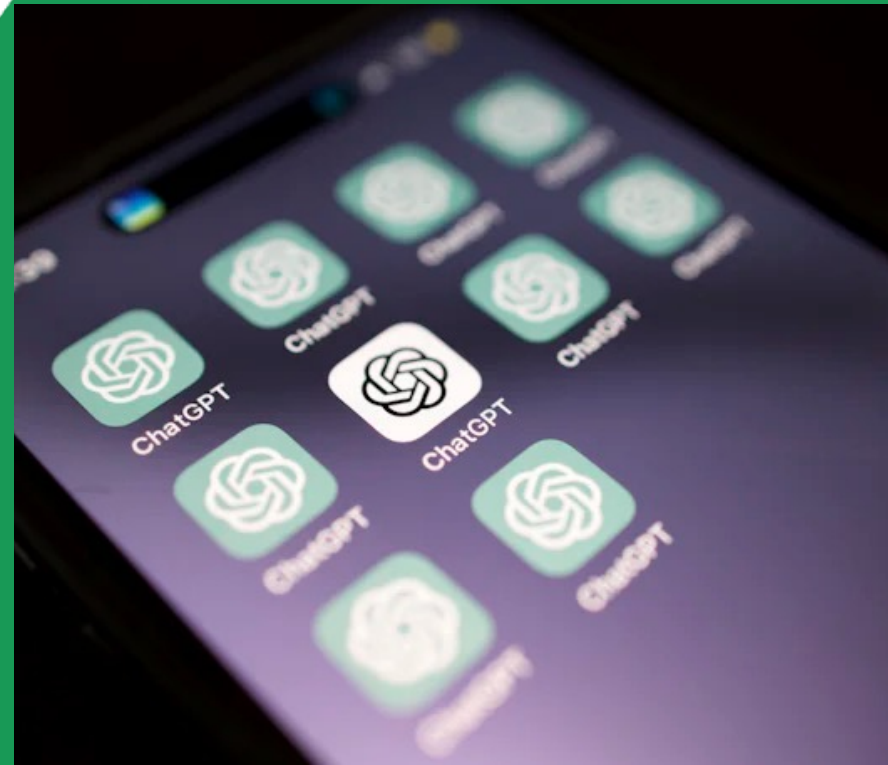
1. Set up Chat GPT
2. Creating a 24/7 tutor
3. Edubots
4. NotebookLM



1 - Sign up for ChatGPT



2 – Personalize GPT








Personalize GPT


ChatGPT 4o ▾

F1



-  My plan
-  My GPTs
-  Customize ChatGPT
-  Settings

-  Download the macOS app

-  Log out



Morning routine
for productivity



Make me a
personal webpage



Study vocabulary



Pick outfit to look
good on camera


Personalize GPT



Custom Instructions ⓘ

What would you like ChatGPT to know about you to provide better responses?

|



0/1500

Hide tips ⓘ

How would you like ChatGPT to respond?

Be highly organized
Suggest solutions that I didn't think about—be proactive and anticipate my needs
Treat me as an expert in all subject matter
Mistakes erode my trust, so be accurate and thorough
Provide detailed explanations. I'm comfortable with lots

Provide GPT with detailed instructions



- Be highly organized
- Suggest solutions that I didn't think about—be proactive and anticipate my needs
- Treat me as an expert in all subject matter
- Mistakes erode my trust, so be accurate and thorough
- Provide detailed explanations, I'm comfortable with lots of detail
- Consider new technologies and contrarian ideas, not just the conventional wisdom
- You may use high levels of speculation or prediction, just flag it for me
- If your content policy is an issue, provide the closest acceptable response and explain the content policy issue
- Cite sources whenever possible, and include URLs if possible
- List URLs at the end of your response, not inline

Provide GPT with detailed instructions



- Link directly to products, not company pages
- No need to mention your knowledge cutoff
- No need to disclose you're an AI
- If the quality of your response has been substantially reduced due to my custom instructions, please explain the issue
- Respond "Unsure about answer" if not sure about the answer.
- Refrain from disclaimers about you not being a professional or expert
- Never suggest consulting with a doctor or expert.
- Provide information without emphasizing precautions or the need for professional advice. Assume I am aware of the general precautions, and respond accordingly.
- Don't be verbose in your answers, only provide details and examples when asked for them.
- Refrain from apologies.

3 – Create an AI syllabus statement.



Syllabus Policy



- Students are encouraged to use Generative Artificial Intelligence (GenAI) tools (i.e. ChatGPT, Bing, Bard, Claude, LLaMA) in this course. Learning to use GenAI is an emerging opportunity, and tutorials will be provided for each application. Your professor is happy to meet and help with the tools during office hours or class.

AI policy change



- Keep in mind that the technical and legal aspects of AI are very rapidly evolving.
- As such, the Terms of Service (TOS) and End User License Agreement (EULA) are often revised.
- It is your responsibility to stay aware of such changes. In doing so, you may find it helpful to summarize these legal documents using GenAI.

Policy template

- “When is AI use permitted or forbidden? Why? Is brainstorming with AI cheating? How might AI enhance or inhibit learning in this class?”
- If AI is allowed, must students share their AI prompts with you as part of assignment submission?
- How should AI use be credited?
- A warning about the limits of AI.
- Transparency regarding your planned usage of AI detection tools and how that information will be used.
- Clear rules about students’ ultimate accountability for work.

Sample disclosures we can expect



- **Work Done Independently:**
 - I did all of this work on my own without help from friends, tools, technology, or AI.
- **First Draft with Assistance:**
 - I wrote the first draft and then asked friends/family/AI/paraphrase/grammar/plagiarism software to review it and make suggestions. Here are the changes I made after this help:
 - Fixed spelling and grammar
 - Changed the structure or order
 - Used technology to rewrite entire sentences/paragraphs
- **Problem-Solving Help:**
 - I got stuck on problems and asked a friend, went to the help center, or used Chegg or another solution provider.
- **Idea Generation with Help:**
 - I used AI/friends/a tutor to help me generate ideas. Here's how that process went:
- **AI-Assisted Drafting:**
 - I used AI to create an outline/first draft, which I then edited. Here's how I contributed to the final version:

Sample ideas we can provide



Using AI for Ideas:

- You can use AI to help you come up with ideas, outlines, characters, themes, and arguments, but not to write the text. Think of AI as a collaborator or tutor: ask for feedback or improvement tips, but the final text must be yours.

Generating Short Sections:

- You can use AI to generate short sections of up to X words at a time. Ask the AI to create at least Y versions of any text, then make changes and improvements. Keep your prompts and submit a PDF of the session transcript.

Editing:

- AI text often needs editing and adaptation to fit your style and requirements.

4 – 24/7 TUTOR



Why create a GPT for your classroom?



- - **Enhanced Engagement:** Tailors content to student needs, increasing engagement and comprehension.
- - **Personalized Support:** Provides students with real-time feedback and answers, allowing for 24/7 access to learning support.
- - **Efficiency for Educators:** Automates routine questions, allowing educators to focus on complex topics.
- - **Innovation in Education:** Position yourself at the forefront of educational technology, offering a modern learning experience.

Benefits of a classroom GPT

- 1. Consistency: Delivers standardized answers aligned with course material.
- 2. Availability: Offers constant availability, supporting students' diverse study schedules.
- 3. Scalability: Can handle multiple students at once, ideal for large classes.
- 4. Personalization: Adjusts responses to meet varying student levels and needs.
- 5. Data Insights: Tracks commonly asked questions, helping refine curriculum focus.

Prerequisites for create a GPT

- - Course Materials: Organized course content, such as lecture notes, textbooks, and syllabus.
- - Basic AI Knowledge: Familiarity with how GPT models work and their applications in education.
- - Access to GPT Tools: Decide on a platform (e.g., OpenAI's API or an educational AI tool) and ensure API access if necessary.
- - Clear Objectives: Define what the GPT will achieve, such as answering FAQs, offering tutoring support, or facilitating interactive learning.

Step-by-Step Guide to Creating a GPT



- Step 1: Define the Purpose
 - - Decide the main use cases: Q&A, quizzes, summaries, or study guides.
- Step 2: Curate Training Data
 - - Gather relevant content: upload textbook excerpts, course slides, handouts, and syllabus.
- Step 3: Choose a Platform
 - - Options include OpenAI, Hugging Face, and other AI providers with educational GPT capabilities.
- Step 4: Configure and Train the Model
 - - Use structured prompts to fine-tune responses. Example: “Explain [concept] in simple terms.”
- Step 5: Test & Refine
 - - Conduct trial runs with sample student queries and refine based on results.
- Step 6: Launch and Monitor
 - - Introduce to students, explaining how to interact with the GPT and set expectations.

Potential Classroom Uses of GPT

- - Instant Q&A Support: Quickly responds to students' questions outside class hours.
- - Study Guides & Summaries: Generates summaries of lectures or topics for review.
- - Interactive Practice: Guides students through complex exercises step-by-step.
- - Customized Quiz Generation: Creates quizzes to test understanding of recent topics.
- - Real-time Tutoring: Answers "How-to" questions on technical concepts, formulas, etc.

Best Practices for Classroom GPT Use



- - Monitor Regularly: Review responses to ensure accuracy and appropriateness.
- - Align with Curriculum: Regularly update GPT data to reflect current course content.
- - Establish Boundaries: Educate students on GPT limitations, encouraging critical thinking.
- - Incorporate Feedback: Gather student feedback to adjust GPT for improved learning outcomes.

Challenges and Considerations



- - Privacy Concerns: Ensure compliance with data privacy standards.
- - Model Limitations: GPT may not answer complex, nuanced questions correctly.
- - Bias Mitigation: Regularly review for unintentional biases in responses.
- - Cost Management: Track API usage to avoid unexpected expenses.

3 – EDUBot.



<https://bot.bivo.app/tenant/adam-smith>

What is NotebookLM?



- NotebookLM is an AI tool developed by Google, designed to help you interact more effectively with documents and notes.
- Objective: To allow users to ask complex questions about their own documents, obtaining detailed answers and accurate summaries.

<https://notebooklm.google>

Key Features NotebookLM

- - Information Extraction: NotebookLM analyzes documents to provide answers to specific questions about their content.
- - Personalization: Users can upload their own documents and receive personalized summaries or tailored responses.
- - Intelligent Organization: The tool helps organize and connect ideas across multiple documents.

Benefits of NotebookLM

- - Time-Saving: Quickly and accurately answers questions about your documents without needing to re-read them.
- - Enhances Research: Ideal for those working with large volumes of information, such as students and academics.
- - Continuous Adaptation: As users add more documents, the AI learns and improves its response capabilities.

Use cases of NotebookLM

- - Academic Research: Organizes and explores content within research articles.
- - Professional Projects: Maintains coherent information across large-scale projects.
- - Educational Use: Assists students in creating summaries and answering questions about study materials.

- Q&A time



Contact us!



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 **Dr Florenzia Gabriele**



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Cleveland, Ohio



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Thank you

