How Faculty Can Harness Generative AI for Enhanced Learning: Part 4 Recap

Curtis J. Bonk, IST Professor Indiana University

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Poll #1. Warm-up questions...

How often do you use ChatGPT or other Generative AI tools?

- a. Gobs of times each day.
- b. Nearly every day.
- c. About once a week.
- d. About once a month.
- e. Just once or twice to test it out.

November 13, 2023

Why You Should Rethink Your

Resistance to ChatGPT Flower Darby, Chronicle of Higher Education

A more recent study found that nearly half (49 percent) of college students are using generative AI tools, but only 22 percent of faculty members. That disconnect highlights faculty hesitation to use AI as much as it reveals potential resistance.

f. Never. Never. Never.













3

Sources Teaching with AI

https://openai.com/blog/teaching-with-ai

Teaching with AI



July 12, 2023

Incorporating AI in Teaching: **Practical Examples for Busy Instructors**

Daniel Stanford's Substack

ating AI in Teaching: Practical Examples 80 m

Here are the eight categories I've identified so far (in no particular order):

- Intentional Misuse
 Text Revision
- 3. Critiques of AI-Generated
- Content 4. Creative
- Writing/Brainstorming
- 5. Role-Play 6. Presentation Preparation
- 7. Research and Inspiration
- 8. Instructional Design

5

April 3, 2023

Affordances and Pedagogical Benefits ChatGPT for Language Teaching and Learning

It can:

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- 1. Identify the meaning of a word in context,
- 2. Correct and explain language mistakes,
- 3. Create texts in various genres (e.g., emails, stories, recipes),
- 4. Develop quizzes,
- 5. Annotate texts, and
- 6. Offer dictionary definitions, example sentences, and translations

August 15, 2023 ChatGPT and generative AI: 25 applications in teaching and assessment Seb Dianati & Suman Laudari, Charles Darwin University

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November 23, 2023

TextGenEd: An Introduction to Teaching with Text Generation Technologies **WAC Clearinghouse**

TextGenEd: An Introduction to Teaching with Text Generation Technologies. Co-editor with Annette Vee and Carly Schnitzler. Writing Across the Curriculum Clearinghouse, 2023.





9

July 23, 2023

101 creative ideas to use AI in education, A crowdsourced collection



10

July 23, 2023

101 creative ideas to use AI in education, A crowdsourced collection

Sandra Abegglen, Marianna Karatsiori, & Antonio Martínez-Arbole is to use AI in education, A crowdsourced collection (2023 1.2) [Co Zenodo. https://doi.org/10.5281/zenodo.8355454



July 23, 2023

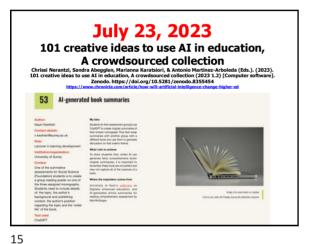
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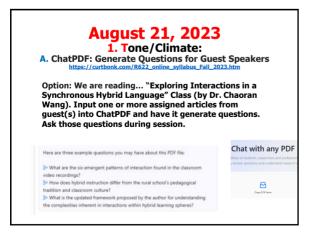






Introducing the TEC-VARIETY Framework http://tec-variety.com/ http://tec-variety.com/TEC-VARIETY-Chinese.pdf Tone/Climate **Encouragement, Feedback** Curiosity Variety **Autonomy** Relevance Interactive Engagement **Tension Yields Products**

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September 8, 2023 2. Encouragement, Feedback: A. Exam Preparation 1. The program can review course material, create a tailored study schedule, summarize and condense information, provide past exam questions, and even offer helpful tips that might make studying easier. 2. By providing the specific areas of study, ChatGPT can help familiarize you with your chosen topic. 3. ChatGPT can explain concepts, summarize key points, generate practical questions, and help you review quizzes and assessments.

17 18

July 12, 2023

3. Curiosity, Intrigue, Unknowns: A. Critique AI Generated Content **Daniel Stanford's Substack**

Critiques of AI-Generated Content Example Activity: Critique AI-generated arguments.

• Example AI prompt: Should governments provide tax credits for electric vehicles?

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• Student task: Paste AI response into a document and use "track changes" mode to critique/revise.

June 7, 2023

4. Variety, Novelty, Fun, Fantasy: A. Learn new words through images by making suggestions for things to add or change









August 21, 2023

5. Autonomy, Choice: A. Brave People Option: **Book Review**

Brave People Option: Put a PDF of the chosen book or books into ChatPDF, ChatGPT, or other generative AI tool or platform and have it do a critique or a book review on it. Next, write a reflection paper, review, or critique of what generative AI produced. A mini-glossary of personal definitions for 20-25 key terms and concepts found in this book might be included in an appendix at the end of the review.

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November 13, 2023

6. Relevance, Meaningfulness:

A. Why You Should Rethink Your Resistance to ChatGPT Flower Darby, Chronicle of Higher Education

Teach them how to use AI tools appropriately. In her video, Maha Bali, who teaches digital literacies at the American University of Cairo, says she shows students how they might benefit from AI use in her class. For example, she encourages them to use AI to generate ideas, refine their first drafts, or even start an assignment with a ChatGPT-created draft and then make it their own.







21 22

October 5, 2023

7. Interactive, Collaborative:

A. Book Summary Comparison

Kevin McCullen, an associate professor of computer scie. New York at Platsburgh Machines of Loving Grace: The Quest for Common Gra Robots, by John Markoff https://www.chronick.com/newsletter/taschin ence at the State University of

- A freshman seminar about AI and robotics. Students work in groups to outline and summarize the first thre chapters. Then he showed them what ChatGPT had
- produced in an outline.
 "Their version and ChatGPT's version seemed to be from two different books," McCullen wrote. "ChatGPT's version was essentially a 'laundry list' of events. Their version was narratives of what they found interesting. The students had focused on what the story was telling them, while ChatGPT focused on who did what in what year." The chatbot also introduced false information, such as wrong chapter names.

Found it "soulless."





July 12, 2023

7. Interactive, Collaborative: **B.** Text Revision

Daniel Stanford's Substack

Text Revision: For activities where students revise or critique AI-generated text, consider how students will annotate their work. For example, your instructions might include one or more of the following guidelines:

- Highlight text in yellow if at least 50% of the sentence was AI-generated without major revisions on your part.
- Use track changes when revising AI-generated text so that the AI text is crossed out and your revised version is shown in a different color.
- Identify at least one place where the AI-generated text is problematic. Highlight this text and use the comment feature to briefly explain why it's problematic and how you would change the text to fix the issue.

August 31, 2023

7. Interactive, Collaborative: C. Role Playing Challenging Conversations

https://openai.com/blog/teaching-with-ai

Dr. Helen Crompton, Professor of **Instructional Technology at Old Dominion University, encourages her** education graduate students to use ChatGPT as a stand-in for a particular persona-like a debate partner who will point out weaknesses in their arguments, a recruiter who's interviewing them for a job, or a new boss who might deliver feedback in a specific way.



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July 12, 2023

8. Engagement, Involvement: **B.** Analyze AI Bias

Daniel Stanford's Substack

DALL-E 2 Example

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July 12, 2023

8. Engagement, Involvement: A. Analyze AI Bias

Daniel Stanford's Substack

Example Activity: Analyze examples of bias in AI output.

- Example prompt: Write a scene in a movie script where sions interact (e.g., a doctor/nurse, pilot and flight attendant).
- Student reflection question: What gender did AI assign to each role? How did this reinforce or contradict common stereotypes?
- Additional example assignment: Analyze how AI handles racial or gender representation depending on prompt wording. See examples at bit.ly/bias-in-ai-images.

May 11, 2020

9. Tension, Challenge, Controversy, etc.: A. What is smileUP & How to use it? SMILE, Stanford

https://ask.smile.stanford.edu/ https://www.youtube.com/watch?v=pblU8sSALWo

Specifically, SMILE will be used to assess student's critical thinking and GPT 3.5 to provide constructive feedback to the questions. Accordingly, students will be yiven access to SMILE (https://ask.smile.stanford.edu/) to ask questions of their own. SMILE will rank the student's question from level 1 (i.e., the most basic) to level 5 (i.e., the most principal). level 5 (i.e., the most critical) based on its breadth and depth and its analytical nature using the Bloom Taxonomy criteria. 50 or more questions and write a reflection report on the breadth and depth of the

response of ChatGPT.



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October 5, 2023

10. Yields Products, Goals:

A. Support for Job Applications and Resumes

Grace Heneks, a lecturer in the English department at Texas A&M University https://www.chronicle.com/newsletter/teaching/2023-10-05

Students were asked to work with ChatGPT in a technical professional-writing course and a writing about literature course. In both courses, she says, students were underwhelmed by the product. In the technical writing course, students used ChatGPT to and resumes. Most of them, she wrote, found that the chatbot actually created work because, even with multiple prompts, the writing did not have much personality and was repetitive. The same held true in her writing course when she used ChatGPT in class and also when students reviewed a ChatGPTgenerated essay.











- 1. Read (Auditory and Verbal Learners)
- 2. Reflect (Reflective Learners)
- 3. Display (Visual Learners)
- 4. Do (Tactile, Kinesthetic, Exploratory Learners)

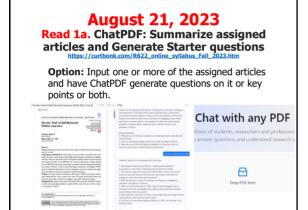


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November 23, 2023

Reflect 2a. Translating Policy Document into Plain English (TextGenEd)

Timothy Laquintano, Lafayette College https://wac.colostate.edu/repository/collections/textgened/professional-writing/translating-a-policy-document-into-plain-english/

This assignment asks undergraduate students to translate a complex policy document into plain English and then compare their output to the output of a large language model asked to do the same task. Students critically compare the semantic choices and sacrifices they made during the translation with the meaning lost during the machine translation, which attunes them to the risks and benefits of LLM output. It can be adapted to most disciplines and course levels.



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November 23, 2023

Reflect 2b. AI for Editing (TextGenEd) Nupoor Ranade, George Mason University https://wac.colostate.edu/repository/collections/textgened/profess ional-writing/ai-for-editing/

This assignment asks students to generate a complex essay using an AI text generation tool, edit the essay using principles taught in class to improve the readability score of the generated content. Students are asked to share the final output along with visi that demonstrate the comparison between the var versions of the generated content. This assignment can be adapted for all course levels, especially for first-year writing and professional and technical writing classrooms.



How can AI make credible contributions to the writing and editing process?

Users can easily write a prompt to create an image directly in the chat.

OpenAI's <u>DALL</u>: (it can also be used at <u>bing.com/create</u>).

Users can create as many images as they would like for free.

https://tesl-ei.org/pdf/ej107/int.pdf



June 7, 2023 Display 3a. Bing Chat for stories, plays,

poems, images, etc.

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February 19, 2023

Do 4a. Generate images and have students draft stories

DALL'E: An "Intelligent" Illustrator for your Language Classroom

- Ask DALL-E to generate culturally-specific images and then have students research and explain why the image does or does not fit the reality in the context of the target culture.
- Ask DALL-E to generate images based on idioms or proverbs as part of a lesson on them.
- Have students give prompts to DALL-E and then revise the prompts, analyzing why one prompt may have worked better than another or given a different result.

How Faculty Can Harness Generative AI for Enhanced Learning: Part 2 **Curtis J. Bonk, IST Professor Indiana University** cjbonk@indiana.edu; http://curtbonk.com/

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Teachers are surprise AI champions Laura Ascione, eSchool News

- 62 percent of all respond
- Teachers use AI for:
- Research (44 percent).
- Generating lesson plans (38 percent).
 Summarizing or synthesizing information (38 percent).
- Generating classroom materials like tests and assignments (37
- ts agree that:
- AI technologies help them better understand material (73 percent).
 AI helps them study faster or more efficiently (67 percent).

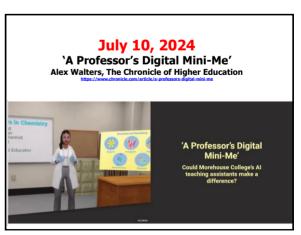


Teachers are surprise AI champions

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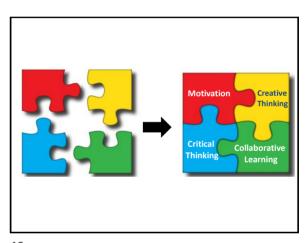
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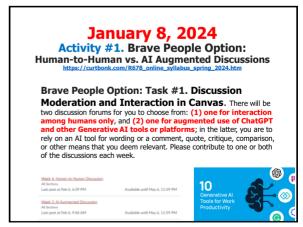






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47 48

January 8, 2024

Activity #2. Brave People Option: Software and Technology Tool Reviewer

Brave People Option: Task 4c Option. Software or Technology Tool or Platform Review.

If you utilized ChatGPT or some other generative AI platform for any aspect of this assignment, please cite it appropriately. Perhaps you might put the articles or reviews on a technology tool into ChatPDF, ChatGPT, or other generative AI tool or platform and have it do a critique or a book review. If you choose this route, you are to write a 2-3 page single-spaced reflection paper, review, or critique of what generative AI produced.



January 8, 2024

Activity #3. Brave People Option: Script Creator and Developer

Brave People Option: Task 5a Option. Cool YouTube Video Creation

d to use ChatGPT or some other generative AI tool or platform in the development of your script and other associated work. You will turn in a 2 page single-spaced summary reflection of your design (3-4 pages if with a partner) along with a link to your video or a way to download it. If you utilized an AI tool or platform to support your efforts, please use appropriate citations. Your video and paper will be graded according to the dimensions listed below.

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July 18, 2023

Center for Teaching Innovation, Cornell University **CU Committee Report: Generative Artificial** Intelligence for Education and Pedagogy

Activity #4. Computer Programming: Debugging skills - preliminary to coding assignments in intro

classes (Compare Human and AI Solutions) Provide students with snippets of code that have clear errors or issues with them or strange error messages. Teach how to use GAI as a debugging tool to help out in these situations.

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- Ask students to:

 1. Run the snippets of code through an interpreter or compiler.

 2. Students diagnose the issue themselves based on the output and write a short description of the problem.

 3. Run the code snippet through GAI and construct a prompt to ask for its description of the problem.
- description of the problem.

 Compare the output of the model with the written description: was it sufficient, and does it lead to a different code change than the original student suggestion?

July 18, 2023

Center for Teaching Innovation, Cornell University CU Committee Report: Generative Artificial Intelligence for Education and Pedagogy

Activity #5. Pro and Con Debates.

- A. Use GAI to generate pro and con arguments for a debate that is relevant to the course
- B. Review course material and readings to augment and strengthen these arguments.
- C. Come to class prepared to engage in a debate with
- D. After debate, discuss which arguments were strongest and why.
- E. In-class discussion or written reflection: Students critically analyze what makes a more effective argument.



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July 18, 2023

Center for Teaching Innovation, Cornell University **CU Committee Report: Generative Artificial Intelligence for Education and Pedagogy**

Activity #6. Summarize arguments and produce themes

- Use GAI to summarize a meeting transcript into key themes (e.g., congressional meetings, central banker transcripts,
- corporate earnings reports, etc.).

 B. Students produce a memo that prioritizes the themes and adds contextual information on power dynamics or other relevant background information.
- C. In-class discussion or written reflection: Students critically analyze the usefulness of AI in the writing process.

July 18, 2023

Center for Teaching Innovation, Cornell University **CU Committee Report: Generative Artificial Intelligence for Education and Pedagogy**

Activity #7. Assess validity of sources for accuracy and bias.

- A. Use GAI to find sources for an assignment relevant to the
- B. Students review sources, evaluating the usefulness and relevance to the assignment.
- C. Students conduct a similar search using library resources.
- D. Students produce an annotated bibliography that assesses the quality, relevance, and reliability of GAI and library sources.
- E. In-class discussion or written reflection: Students critically analyze the usefulness of AI to find reliable and unbiased sources.

July 18, 2023

Center for Teaching Innovation, Cornell University **CU Committee Report: Generative Artificial** Intelligence for Education and Pedagogy

Activity #8. Editing Skills - pre-work for class discussion, in-class activity. (i.e., Two Heads are Better than One).

- Have students edit a paragraph or short paper on their own, using a prompt that makes sense for your course (e.g., make this paragraph more concise, strengthen the argument in this paragraph, explain the
- more concise, strengthen the argument in this paragraph, explain the concept in this paragraph, etc.).

 Students run the original paragraph through GAI and ask it to do the same thing that students did in the first step. Have students review their editing choices as compared to the editing choices made by GAI and submit a final revised paragraph.
- D. Students complete a written or in-class reflection on why they included their final edits and how they were able to improve or GAI provided.

July 18, 2023

Center for Teaching Innovation, Cornell University **CU Committee Report: Generative Artificial Intelligence for Education and Pedagogy**

Activity #9. Revise for new audience & reflect - graded assignment. Turn a two-page proposal into a one-page proposal for a new audience. Two Heads Again.

- Have students use an assignment from earlier in the semester. Rewrite for new audience (e.g., proposal was originally written for a scientific audience and now needs to be rewritten for a lay-person).
- Use GAI to help shorten the original proposal.

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- use UAL to neip snorten the original proposal.

 Critically analyze how GAI shortened the work given the new audience.

 Using GAI edits and their critical thinking, shorten original proposal to one page.

 Utilize (e.g., headings, sub-headings, bulleted lists or tables) to make the writing easy for the new audience to read quickly.
- Students write a reflection on how and why they modified their original proposal for the new audience, including how they were able to improve on what GAI

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July 18, 2023

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Activity #10. Generate outlines for written reports

- A. Have GAI to assist them in generating an outline for report.

 B. Emphasize that GAI should be used as a tool for inspiration and
- guidance, rather than relying solely on its suggestions.
- Students modify and improve their outline, then evaluate it based on their logical structure, coherence, and adherence to the assignment requirements.
- D. In-class discussion or written reflection: Students critically analyze the usefulness of AI in the writing process.

July 18, 2023

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Activity #11. GAI as a Peer Editor.

- A. Ask GAI to offer constructive feedback on their writing, with specific suggestions for where and how to make improvements in grammar, logic, and flow (tailor this prompt to your desired outcomes).
- B. Students review the GAI feedback and make edits.
- C. Students respond to several reflection prompts including:
 - A. Which suggestions find effective? Not effective? Why?
 B. As you review the feedback, did GAI help you notice patterns in the kinds of suggestions that you received? If so, identify and reflect on these patterns? Did it miss some?

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July 18, 2023

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Activity #12. Brainstorm Ideas for Assignment.

- A. Use GAI to brainstorm ideas for an assignment that is relevant to the course (e.g., topics for a research paper, research study ideas, new business ideas, marketing taglines, etc.)
- B. Students evaluate the ideas based on the established criteria for the assignment.
- C. Students further develop their preferred idea and complete the
- D. In-class discussion or written reflection: Students critically analyze the usefulness of AI in the brainstorming process.

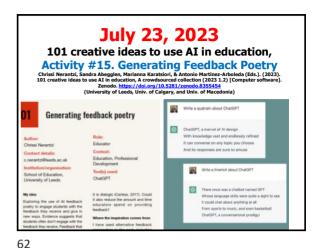
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Activity #13. Compare and Contrast Content Generation.

- A. Use GAI to generate content on a particular topic that is relevant to the course (e.g., academic writing vs. business writing, Greek civilization vs. Roman civilization, differential calculus vs. integral calculus).
- B. Assign a reading or book chapter on the same content.
 C. In-class discussion or written reflection: Students critically analyze what GAI got correct, incorrect, or missed completely.







July 23, 2023 101 creative ideas to use AI in education, Activity #178. Rewriting with AI Image Generators

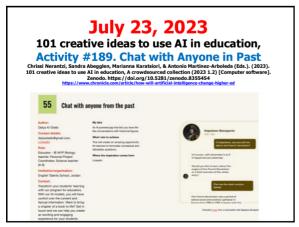
Chrisi Nerantzi, Sandra Abegglen, Marianna Karatsiori, & Antonio Martinez-Arboleda (Eds.), (2023).

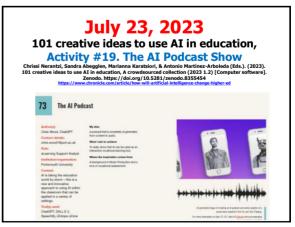
101 crative ideas to use AI in education, A crowbourced collection (2023 1.2) [Computer software].

Zenodo. https://doi.org/10.5281/zenodo.8355454

(University of Leeds, Univ. of Calgary, and Univ. of Macedonia) **Rewriting with AI Image Generators**

64 63





65 66

August 15, 2023

ChatGPT and generative AI: 25 applications in teaching and assessment Seb Dianati & Suman Laudari, Charles Darwin University

Activity #20. Provide Explanations and **Reflection Questions.**

- A. Provide the 10 most common misconceptions and explanations of Carl Jung's work in psychology and how it differs from Sigmund Freud's.
- B. Include a Q&A list of prompts for my first-year unit in educational psychology to evaluate their knowledge after class on the topic above.



August 15, 2023

ChatGPT and generative AI: 25 applications in teaching and assessment Seb Dianati & Suman Laudari, Charles Darwin University

Activity #21. Generate Code Snippets.

Ask ChatGPT: How do I make an HTTP request in JavaScript? Answer as if you were teaching first-year programming and offer examples, solutions, issues and common mistakes.



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August 15, 2023

ChatGPT and generative AI:

25 applications in teaching and assessment Seb Dianati & Suman Laudari, Charles Darwin University

Activity #22. Develop Ice-Breaker or **Team Building Exercises.**

- A. Act as if it is the first day of class and use proven and effective rapport-building exercises for students to create a sense of community.
- B. Develop a series of questions for online students to engage in the class at the same time as I am delivering the class in a physical classroom.



November 23, 2023

Activity #23. Using AI Text as Prompts for Critical Analysis (TextGenEd)

Juan Pablo Pardo-Guerra, UC San Diego https://wac.colostate.edu/repository/collections/textgened/rhetorical-engagements/using-ai-text-as-prompts-for-critical-analysis/

In this assignment, students are provided with an AI-generated text relevant to a course's topics and focus and then asked to comment. review, and expand on it using a fea as "track changes." In engaging with the AIgenerated text, students review their knowledge, offer critiques, modify theoretical and empirical claims, and provide concrete examples that illustrate or disprove the provided answer.



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October 5, 2023

Activity #24. Annotate a ChatGPT-**Generated Essay**

Gregg L. Michel, University of Texas at San Antonio https://www.chronicle.com/newsletter/tea https://web.hypothes.is/

Gregg L. Michel, an associate professor of history at the University of Texas at San Antonio, asked students in an upper-level course on the history of the civil-rights movement to work in groups to annotate a ChatGPT-generated essay

using <u>Hypothes.is</u>. Then each the group rewrote the essay, using what they wanted of the original in the final draft.



November 23, 2023

Activity #25. Critical Assessment and Analysis Exercise (TextGenEd)

Nathan Murray, University of Mississippi Elisa Tersigni, University of Toronto Mississauga

This assignment asks first-year critical writing students to evaluate the reliability, factuality, and internal reasoning of three anonymized texts, one written by AI, that present conflicting opinions or information. By considering the strengths and weaknesses of these texts independent of contextual information, students are encouraged to develop critical reading skills as well as an awareness of the prevalence of misinformation from both human-generated and AI-generated

sources online today.





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Activity #26. Promoting Ethical AI Literacy in an Undergraduate Course (TextGenEd) Mike Frazier, Michigan State University, Lauren Hensley, Ohio Wesleyan University

https://wac.colostate.edu/repository/collections/textgened/ethical-considerations

This assignment proposes the integration of generative AI tools, such as ChatGPT, into a college learning and motivation strategies course with the dual focus of enhancing metacognition and promoting ethical AI use. Students engage with AI-generated artifacts, compare outputs with their own work, and reflect on the implications of AI in their academic and professional lives. The approach can be adapted for various courses, encouraging a critical examination of AI's role in learning and its potential impact on future careers



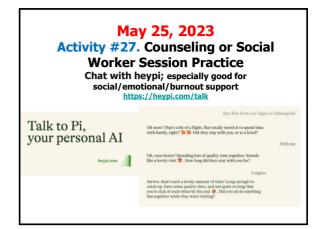


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July 12, 2023

Activity #28. Generate Plans, Guides, Checklists, and Instructional Design Materials Daniel Stanford's Substack

> https://danielstanford.substack.com/p/incorporating-ai-in-teaching practical?r=beirw&utm_campaign=post&utm_medium=web

Example Activity: Generate guides, checklists, plans, or instructional materials.

They could be used by students as part of an assignment where they develop similar materials to demonstrate their mastery of the subject matter.

Example prompts:

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- Create a nutrition plan for a diabetic patient that incorporates the following foods. [Insert foods here.] Provide recipes for breakfast, lunch and dinner for each day of the week.
- Write 20 quiz questions that test past-tense verb conjugation for ESL learners with moderate fluency.
- Create a checklist of dos and don'ts for an entrepreneur documenting business expenses for tax purposes.

November 15, 2023

Activity #29. DALL-E Created Cartoon Strips

Even though DALL-E created great cartoon strips, it could not verbally explain the meaning of density in a friendly way without using the formula. Heejung An, William Paterson University

1. Create a cartoon strip that explains density.

2. Create a cartoon strip that demonstrates an understanding of density.

DALLE

Here's a cartoon strip that explains the concept of density. Each panel illustrates a key aspect of density in an engaging and educational way.

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How Faculty Can Harness Generative
AI for Enhanced Learning:
Part 3 From Generic to Specific
Curtis J. Bonk, IST Professor
Indiana University
cjbonk@indiana.edu; http://curtbonk.com/



August 2023 **AI Literacy Explained** Matt Crabtree, Education Week

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August 1, 2024 **Exploring AI: Students Share Their Awareness and Usage of Generative AI** Rachel Janzen, Clare Church, and Radhe Paleia Awareness: What Generative AI Tools Are Students Familiar

August 1, 2024 Exploring AI: Students Share Their Awareness and Usage of **Generative AI** Rachel Janzen, Clare Church, and Radhe Paleia

81 82

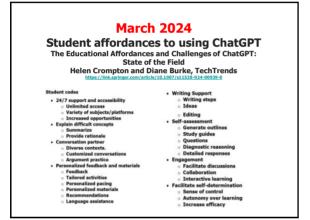
August 23, 2024 Crunch the Numbers—New Data on AI in Higher Ed Kevin Hogan, Penn Foster Group, eCampus News Key findings include: 82% of college students say they've used AI technologies, compared to 58% of high school students, and students are now near even with teachers in adoption (67% vs. 66%) Two-thirds of high school and college teachers say they use AI technology for education Students who use AI technology for school use it to do research (46%), to summarize or synthesize information (38%), and to generate study guides or materials (31%)

February 26, 2024 AI Will Shake Up Higher Ed. Are **Colleges Ready** Taylor Swaak, The Chronicle of Higher Education Job Postings at Colleges

83 84



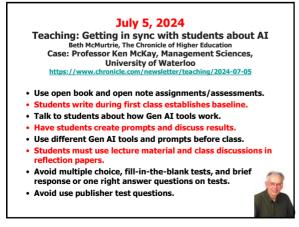




April 4, 2024
Teaching with AI: A Practical Guide to a New Era of Human Learning (2024)
Addressing Cheating with Gen AI
Jose Antonio Bowen and C. Edward Watson https://www.press.jhu.edu/books/title/53869/teaching-ai

Use low stakes assignments (more and smaller assessments).
In-class active learning and peer learning techniques.
Have reasonable workloads.
Have flexible deadlines.
Promote and model academic integrity.
Develop better assignments and assessments.
Increase transparency, relevance, belonging, and motivation.

87 88





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February 16, 2024 OpenAI's Video Generator Sora Is Stunning and Utterly Terrifying Tony Ho Tron, The Daily Beast

92



February 10, 2023 80 Ways to Use ChatGPT in the Classroom Stan Skrabut, Ed.D.

Activity #1. Think, Pair, Share Students reflect on a topic and share with a partner. Then they could query ChatGPT and discuss their findings before sharing with the class.

93 94

February 10, 2023 80 Ways to Use ChatGPT in the Classroom Stan Skrabut, Ed.D. **Activity #2. List Generator Discussions** Have ChatGPT or any other generative AI tool generate a list (e.g., ice breakers, student paired interview questions, book or article recommendations, course guidelines or objectives, course objectives, etc.) and then engage students in small group and then whole class discussions.



February 10, 2023 80 Ways to Use ChatGPT in the Classroom Stan Skrabut, Ed.D. **Activity #3. Language Conversation Partners** Generative AI might also translate CHATGPT IN THE CLASSRO articles and blocks of text into the target language. Next have students work in teams to improve the drafts through rewriting and discussion.

96 95

February 10, 2023 80 Ways to Use ChatGPT in the Classroom Stan Skrabut, Ed.D.

Activity #4. Ice Breakers

n/dp/B0BVC8MXJV

ChatGPT or any other generative AI tool could be used to generate ice breakers for the first class or when starting team assignments.







December 3, 2023

ChatGPT for Teachers: AI in the Classroom: Harnessing the Power of ChatGPT for Effective Teachings Pacifico Zanzara (K-12 or higher ed)

Activity #5. Analytical Writing Prompts

Have students use ChatGPT or any other generative AI tool to engage in analytical writing and critical thinking. Use Gen AI to help interpret information, develop arguments, provide supporting evidence and justify their reasoning, explore the credibility of information sources, etc.



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April 4, 2024
Teaching with AI: A Practical Guide to a New Era of Human Learning (2024) Activity #6. Blogging and Journaling Jose Antonio Bowen and C. Edward Watson https://www.press.jhu.edu/books/title/53869/teaching

 Record weekly course reflections in a blog or a journal. Then have students get feedback from both a peer and ChatGPT.

Have students write one or more reflections on the difference on feedback offered. Or ChatGPT could create weekly blog posts to compare to.

with AI

98

April 4, 2024
Teaching with AI: A Practical Guide to a New Era of Human Learning (2024)

Activity #7. Summary Comparisons
Jose Antonio Bowen and C. Edward Watson
https://www.press.jhu.edu/books/title/53869/teaching

· Ask teams of 3 students to use different AI tools to make summaries of one or more readings. Have them meet FTF or in a synchronous setting and defend their AI tool on in a synchronous setting and defend their AI tool summary as the best summary. Next have them attempt to improve or refine one of the summaries, pool the respective summaries into a list of key points, or create a new best of summary. Perhaps pool all the team summaries across all the articles.



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April 4, 2024

Teaching with AI: A Practical Guide to a New Era of Human Learning (2024) Activity #8. Human vs. AI Jose Antonio Bowen and C. Edward Watson https://www.press.jhu.edu/books/title/53869/teaching

Ask students to write a paragraph, article abstract, short paper, poem, lecture summary of key points, etc. both with and without AI. Next share the artifact with a partner. Each person attempts to identify the human and AI elements. Finally, they discuss how either draft document could be improved.



August 31, 2024 **Brave People Option:**

Activity #9. Research Dig

Brave People Option: Research Dig. You are DIAVE PEOPLE OPTION: RESEARCH DIg. You are to canvass the research literature on a topic related to this class. Perhaps this will lead to a dissertation, master's theses, or research project. You must find at least 15 articles on a topic and read at least half of them. In your paper, you should describe how you found your articles and essentially describe the state of the research? What are the general findings? Where are the open issues, questions, or gaps on this topic and how might you research this area? You should turn in a 2-4 page single-spaced review.



 AI Option: Adventurous students might ask ChatGPT or ChatPDF to also generate a summary of those 15 articles and compare the two summaries as well as a set of discussion questions on each article in the review.

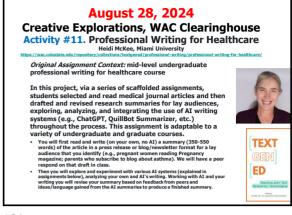
August 31, 2024 Brave People Option: Activity #10. Expert or Scholar Review and Interactive Dialogue https://curtbonk.com/Instructional-Strats-R546-2024.htm

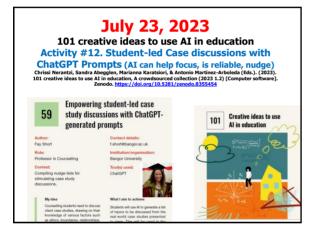
Brave People Option: Expert or Scholar

Review. Sometimes an instructional approach or thinking program is synonymous with the inventor or creator of that program. In this option, I want you to review the work of a scholar in this field. For instance, you might read about the person who invented a popular concept, technique, or theory. You might send that person a letter asking for additional information. It is the exploratory, inquisitive nature of the task that is prized here, not what you actually do. AI Option: Adventurous students might ask ChatGPT or Claude, Microsoft Copilot, Gemini, etc. to generate a fictional dialogue between two or three such experts. Or ChatGPT could create a fictional expert that could respond to student questions.



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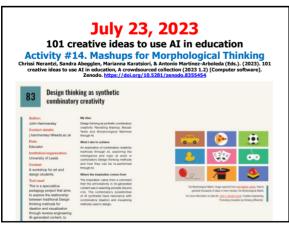


July 23, 2023

101 creative ideas to use AI in education
Activity #13. Practice Different Writing Styles
Chrissi Nerantzi, Sandra Abegglen, Harianna Karatsiori, & Antonio Martinez-Arboleda (Eds.), (2023). 101
creative Ideas to use AI in education, A crowdowned collection (2023 1.3) (Computer software).

Zenodo. https://doi.org/10.2283/zenodo.0329454

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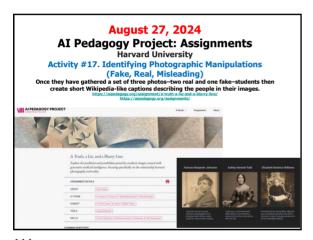


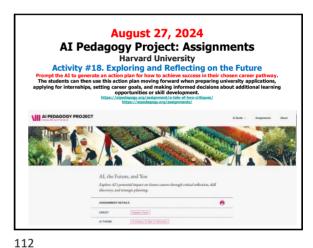


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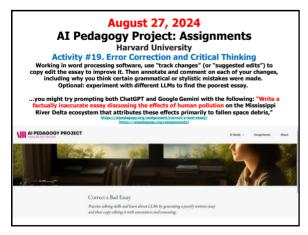


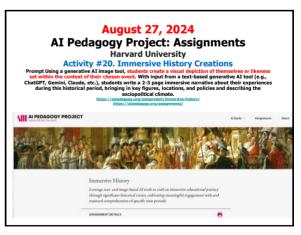






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Poll #2. Closing questions...

How many ideas did you get from this session for using ChatGPT or other Generative AI tools in your teaching, training, or tutoring?

- a. None
- b. 1 or 2

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- c. 3 to 5
- d. 6 to 10
- e. More than 10



Poll #3: Will instructors be replaced by ChatGPT and Generative AI?

- a. Definitely not!
- b. I will wait and see...
- c. Perhaps some instructors might.
- d. Most entry level instructors will likely be replaced.
- e. All instructors should fear losing their jobs.

Closing questions...in the chat window



117 118

Remember...

"I cannot do this alone."

- "I cannot do this alone."
- "I cannot do this alone."
- "I cannot do this alone."



Any Questions or Comments? t: TrainingShare.com (go to "Archived Talks) Papers: PublicationShare.com Free book: http://tec-variety.com/ Free Course: https://colcommons.org/welcome/coursedeta Curtis J. Bonk, IST Professor, Indiana University Email: cjbonk@indiana.edu; http://curtbonk.com/ Not Free!

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