

RQ1: What is the focus of the discussion and demonstrations by the YouTube content creators of ChatGPT in laneuage education?

Who is producing videos about ChatGPT in language education on

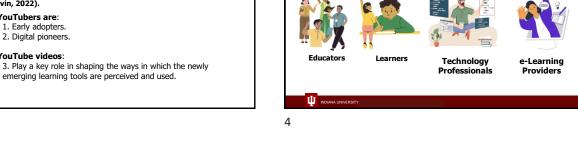
Why YouTuber?

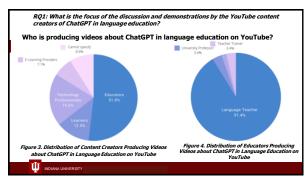
Content creators who facilitate learning on YouTube are often deemed digital pioneers (Chao, 2022; Zavyalova & Galvin, 2022).

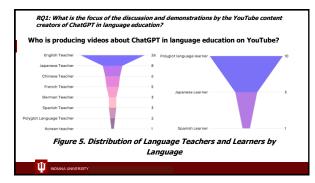
- YouTubers are:
- YouTube videos:
 - emerging learning tools are perceived and used.



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Introduction

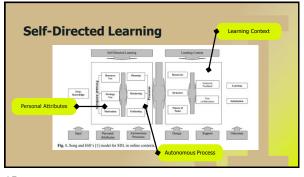
Goal of the article

 explore how YouTube language educators leverage ChatGPT to facilitate self-directed language learning and provide practical guidance for educators navigating the evolving landscape.

Literature Review

- Self-directed learning (SDL) refers to learning situations where the learner takes charge or control to plan, implement, and assess his/her own learning process and results.
- Recently, there has been a shift in focus towards the online context and the role of technology in facilitating SDL
- E.g., Self-directed learning in MOOCs and online environments (Zhu & Bonk, 2019)
- Generative AI such as ChatGPT introduces new possibilities and challenges for SDI.
- Further research is needed to understand how ChatGPT can be featured in various aspects of SDL and may potentially redefine SDL.

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AI-Supported Self-Directed learning

- GenAI tools hold the potential to enhance SDL through personalized feedback, resources, and assistance (Baskara, 2023)
- The interactive and individualized nature of GenAI promotes learner independence (Biswas, 2023)
- GenAI also supports the creation of personalized learning objectives and strategies for self-directed learners (Biswas, 2023).

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Introduction

Goal of the article

 Investigate the integration of ChatGPT in self-directed language learning (SDLL) and reconceptualize the SDL framework in consideration of generative AI

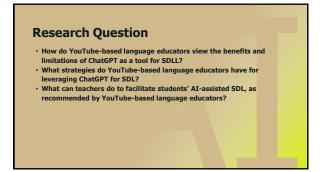
Importance

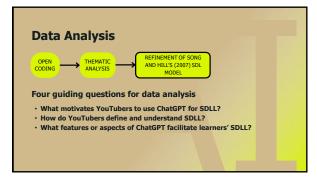
- ChatGPT's potential to reshape language education and learners' approach to their learning journey
- Need to understand ChatGPT's influence on SDL processes for maximizing benefits and guiding learners
- Existing theoretical frameworks may not fully account for the nuances introduced by AI tools like ChatGPT

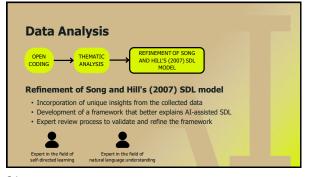
Potential Perils

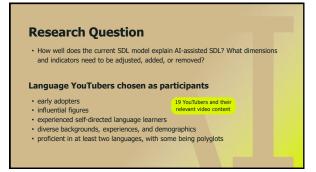
- · Over-reliance (Lin, 2023)
- Ethical concerns, accuracy, and cultural biases (Kohnke et al., 2023)
- Ineffective use of GenAI could result in suboptimal experience
- Lack of accountability, information overload, and low selfefficacy (Memarian & Doleck, 2023)

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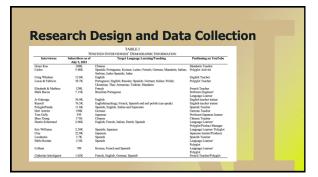




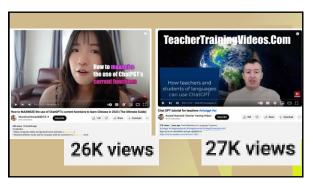


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Categories

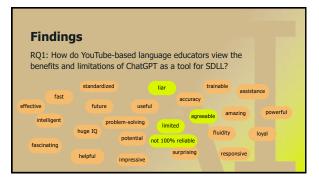
Language skills
can be enhanced
by ChatGPT
Pronunciation
Grammar
The learning of culture
All the language skills
Benefits of using
ChatGPT
Personalized Jearning
Pronunciation
Freduction
Production
Freduction
Production
Freduction
Production
Freduction
Production
Transformative potential

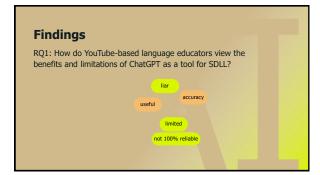
Multilingual performance
(Superficial Creativity
Centralized & portable information

Main categories and sub-categories of data analysis

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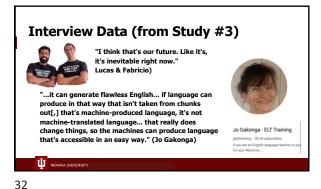
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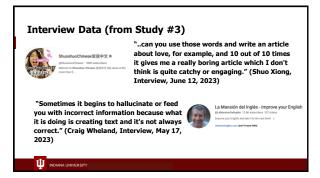


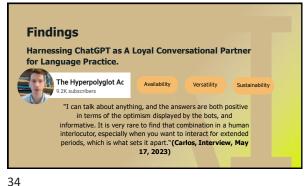


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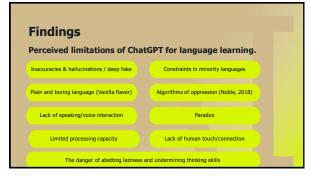


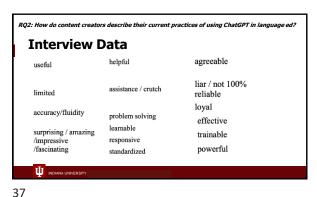












Findings RQ2: What strategies do YouTube-based language educators have for leveraging ChatGPT for SDLL? Use It as A Tool, Not A Crutch. Take What You Want from the Buffet. Use AI for scaffolding Language teaching ultra-personalizedPersonalize AI based on learner needs · Use different sources · Integrate AI with other technologies Deliberate practice

Findings

RQ3: What can teachers do to facilitate students' AIassisted SDL, as recommended by YouTube-based language educators?

- Fostering a Learner-Centric Approach to GenAI Instruction
- Explicit AI instruction
 - Help students understand GenAI capabilities and limitations
 - · Approach GenAI strategically and selectively
- Use GenAI tools with students during classroom activities
- Teachers should personally use and learn from others' experiences with ChatGPT

Findings

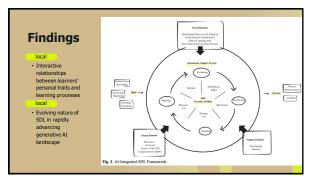
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RQ3: What can teachers do to facilitate students' AIassisted SDL, as recommended by YouTube-based language educators?

- Cultivating Responsible AI Utilization in Language Education
 - Develop students' autonomy and decision-making skills
 - Encourage critical awareness and verification of AI-generated content
 - o Foster self-discipline in managing AI interactions responsibly

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Findings for AI



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RQ2: How do content creators describe current practices of using ChatGPT in language ed?

Q2a. How do they perceive the potential benefits and drawbacks of incorporating ChatGPT in language learning?

Benefits of ChatGPT

1. Providing optimization and enhancement of language learning platforms as an augmentative learning device.

2. Assistance with general questions, vocabulary building, writing tasks, language practice, test preparation, annotating texts, translations, and personalized learning.

3. Acting as an accessible and affordable 24/7 tutor providing relevant information to users as it learns from their interactions.

4. Engaging in conversations and practicing the language in a safe and comfortable environment without fear of judgment or mistakes.

5. Being especially beneficial for students who struggle with traditional teaching methods or have special learning needs.

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Q2a. How do content creators describe their current practices of using ChatGPT in language edit Q2a. How do they perceive the potential benefits and drawbacks of incorporating ChatGPT in language learning?

Benefits of ChatGPT

6. Creating bespoke content such as learning texts, worksheets, and lesson plans.
7. Helping with job interviews in a foreign language and practicing conversation by generating responses to questions.
8. Providing highly tailored content and transforming how individuals learn languages.
9. Enhancing the language learning experience by fostering learner motivation, improving efficiency, and promoting attentiveness and observation skills
10. Creating an engaging and accessible learning environment that makes language education more enjoyable and readily accessible for learners.

11. Reducing the workload of language teachers.

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RQ2: How do content creators describe their current practices of using ChatGPT in language education?

Q2a. How do they perceive the potential benefits and drawbacks of incorporating ChatGPT in language learning?

Concerns of ChatGPT

1. The danger of being too dependent on ChatGPT for writing essays and creative writing.
2. Potentially replacing human workers.
3. Creating competition, insecurity, and fear.
4. Data privacy.
5. No connection between the rapid development of AI and the growth of human language faculty.
6. Challenge for teachers as well as organizations and institutions to detect plagialrism.
7. Many replicates countless previous failed attempts to introduce new technology to language education, such as printed books and LP records.

Discussion and Conclusion

ChatGPT offers transformative potential for language learning but requires a nuanced approach
Educators play a critical role in helping learners navigate the evolving landscape of SDL in the age of GenAI
Importance of considering ethical, pedagogical, and sociocultural factors in AI integration
Future research directions
Learner-centric investigations
Innovative pedagogical models
Educator training

47 48

Recent Publications

1. Li, B., Kou, X., & Bonk, C. J. (2023). Embracing the disrupted language teaching and learning field: Analyzing YouTube content creation related to ChatGPT. *Languages*, 8, 197. https://doi.org/10.3390/languages8030197

2. Li, B., Bonk, C. J., & Kou, X. (2023). Exploring the multilingual applications of ChatGPT: Uncovering language learning affordances in YouTuber videos. *International Journal of Computer-Assisted Language* Learning and Teaching (IJCALLT), 13(1), 1-22. http://doi.org/10.4018/IJCALLT.326135

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Recent Publications

3. Li, B., Wang, C., Bonk, C. J., & Kou, X. (2024). Exploring inventions in self-directed language learning with generative AI: implementations and perspectives of YouTube content creators. *TechTrends. 68*(4), 803-819. https://doi.org/10.1007/s11528-024-

4. Li, B., Bonk, C. J., Wang, C., & Kou, X. (Under review). Reconceptualizing the self-directed language learning in the era of generative AI: an exploratory analysis. IEEE, 17, 1515-1529. doi: 10.1109/TLT.2024.3386098

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Recent Publications

5. Li, Z., Wang, C., & Bonk, C. J. (2024). Exploring the utility of ChatGPT for self-directed online language learning. *Online Learning*, *28*(3), 157-180.

6. Wang, C., Li, Z., & Bonk, C. J. (2024, online first). Understanding self-directed learning in AI-assisted writing: A mixed methods study of postsecondary learners. Computers & Educati *10*, 1-10.

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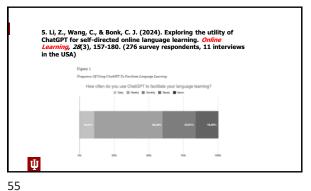
5. Li, Z., Wang, C., & Bonk, C. J. (2024). Exploring the utility of ChatGPT for self-directed online language learning. *Online Learning*, *28*(3), 157-180. (276 survey respondents, 11 interviews in the USA)

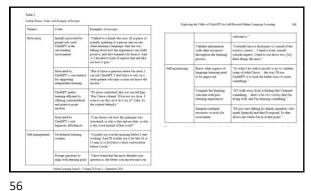
In this study, we investigated the SDL practices facilitated by GenAI tools like ChatGPT following Garrison's (1997) SDL framework. Aligning with each dimension of Garrison's framework, namely, motivation, self-management, and self-monitoring, we examined the following research questions accordingly:

- 1. What motivates learners to utilize self-directed learning with ChatGPT?
- How do language learners select and apply self-management strategies when utilizing ChatGPT in their language learning routines?
 How do language learners employ self-monitoring strategies when using ChatGPT for language learning?

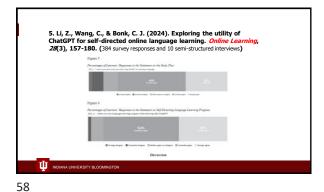
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5. Li, Z., Wang, C., & Bonk, C. J. (2024). Exploring the utility of ChatGPT for self-directed online language learning. *Online Leas* 28(3), 157-180. (384 survey responses and 10 semi-structured interviews)

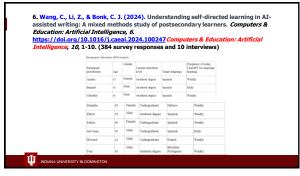




ChatGPT for	ng, C., & Bonk, C. J. (2024). r self-directed online languag 180. (384 survey responses and 10 se	je le	arni	ng. 0	nline Learning
	Descriptive Statistics on Mativation Swee				
	Statement Bem	Mean	SD	Variance	
	Exploring the Utility of CharGPT for Self-Directed Online L	onguago Le	urning	167	
	I enjoy learning new information related to language through ChatGPT.	4.21	0.78	0.61	
	There motivation to learn a language with CharGPT.	4.01	0.93	0.86	
	I want to learn new ideas related to language learning brought up by ChatGPT.	3.94	0.99	0.98	
	I have a need to learn a language with Clut OPT.	3.43	1.22	1.49	
	I need to know the deeper reasons for the language feedback by CharGPT.	3.43	1.13	1.28	
	I like to share my ChatGPT lenguage learning experiences with others.	3.37	1.17	1.37	







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6. Wang, C., Li, Z., & Bonk, C. J. (2024, online first). Understanding self-directed learning in AI-assisted writing: A mixed methods study of postsecondary learners. Computers & Education: Artificial Intelligence, 10, 1-10.

Table 1. More were and conclud deviction of the question compounds of participants, "writing facilized by Catefort.

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6. Wang, C., Li, Z., & Bonk, C. J. (2024, online first). Understanding self-directed learning in AI-assisted writing: A mixed methods study of postsecondary learners. Computers & Education: Artificial ligence, 10, 1-10. Table 2. Mean score and standard deviation of the survey items related to participants' motiv Items Mean SD 1. I have motivation to learn writing with ChatGPT. 3.85 1.08 I have a need to learn writing from ChatGPT. 3.28 1.34 3. I enjoy learning new information related to writing through ChatGPT. 3.97 0.94 I need to know the deeper reasons for the writing feedback provided by ChatGPT. 3.29 1.24 5. I like to share my ChatGPT learning experience about writing with others.

6. Wang, C., Li, Z., & Bonk, C. J. (2024, online first). Understanding self-directed learning in AT-assisted writing: A mixed methods study of postsecondary learners. Computers & Education: Artificial Intelligence, 10, 1-10.

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6. Wang, C., Li, Z., & Bonk, C. J. (2024, online first). Understanding self-directed learning in AT-assisted writing: A mixed methods study of postsecondary learners. Computers & Education: Artificial Intelligence, 10, 1-10.

Table 4. Mean score and standard deviation of items related to participants' self-monitoring | Teress | 1. I critically evaluate new ideas related to writing learning provided by CharGPT. | 2.10 | 0.91 | 2.1 ask follow-up questions regarding writing learning with CharGPT with any work or | 2.16 | 0.90 | 3. I am able to integrate the writing knowledge I learned with CharGPT with any work or | 2.16 | 0.90 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10

6. Wang, C., Li, Z., & Bonk, C. J. (2024, online first). Understanding self-directed learning in AI-assisted writing: A mixed methods study of postsecondary learners. Computers & Education: Artificial Intelligence, 10, 1-10.

Figure 2. Survey respondents rating of the overall impact of CharGPT on their writing

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Bornellatingsitive Nature ** Survey tracking at Very positive

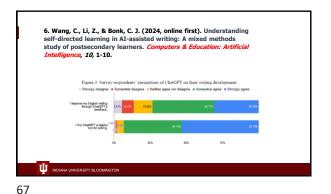
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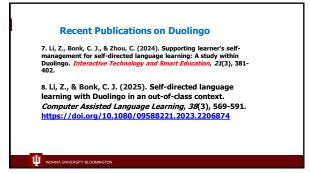
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Manuscripts Currently in Review

9. Li, Z., Wang, C., & Bonk, C. J. (in press). Exploring ethical AI use in self-directed and formal learning: Learner perspectives through

 Li, B., Zhang, Z., Lowell, V. L., Wang, C. & Bonk, C. J. (in review). Development and validation of the AI-SDL-PA Scale: Measuring personal attributes in AI-integrated selfdirected language learning. System.

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9. Li, Z., Wang, C., & Bonk, C. J. (in press). Exploring ethical AI use in self-directed and formal learning: Learner perspectives through a FATE lens. AI Enhanced Learning.

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9. Li, Z., Wang, C., & Bonk, C. J. (in press). Exploring ethical AI use in self-directed and formal learning: Learner perspectives through a FATE lens. *AI Enhanced Learning*.

Per Elliot,
"I personally haven't used it for my studies like for papers or anything. My brother is an undergrad in [an institute of technology] and there was a whole case about plagiarism. And all that kind of stuff kind of scared me and him both, that [is why] we don't use any of this. But I've seen people use it and try to say, can you [correct] a few mistakes with this and that, and people do use it. People will keep using it. There's going to be like tools to catch it."

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9. Li, Z., Wang, C., & Bonk, C. J. (in press). Exploring ethical AI use in self-directed and formal learning: Learner perspectives through a FATE lens. AI Enhanced Learning.

"I think it deteriorates the learning experience to an extent, because it is so easy, and especially for certain subjects, it will basically do the work for you. Like, I find that ChatGPT is particularly adept at math, for instance, and other tasks like that, basically you could feed it [with] any problem that you're likely to have in a test and be able to get a correct answer most of the time. So, if you're doing something like that where the learning process is really involved, and your learning is built on trial and error. I would say, you're shortchanging yourself. And this is an ethical problem."

9. Li, Z., Wang, C., & Bonk, C. J. (in press). Exploring ethical AI use in self-directed and formal learning: Learner perspectives through a FATE lens. AI Enhanced Lea

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"I have one professor who's like, I want you to use it, I want you to use it. And I want you to learn of it but it's a plagiarism problem... but I think that you just testing the field this semester, and maybe he'll change up next. I don't know. He just wanted to see how well we would adapt to it I think..."

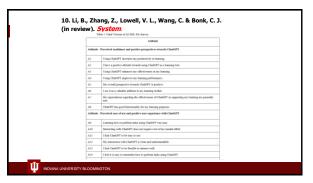
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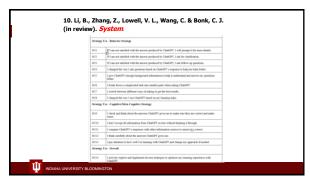
9. Li, Z., Wang, C., & Bonk, C. J. (in press). Exploring ethical AI use in self-directed and formal learning: Learner perspectives through a FATE lens. AI Enhanced Learning.

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Cause I was actually really averse to the idea of ever touching it until my professor had us do it because I'm like, I don't even wanna be accused remotely of using this thing for cheating. I don't want to be anywhere near it. So I was a little bit nervous about it. And I was sort of like, oh, okay, so it's really just "if you don't use it to cheat. It's not so its reality just in you won't use it to relat. It's many cheating," that makes sense. And then, as I was sort of more open-minded to the tool after having to use it like, "okay, I can use this for language learning."

10. Li, B., Zhang, Z., Lowell, V. L., Wang, C. & Bonk, C. J. (in review). Development and validation of the AI-SDL-PA Scale: Measuring personal attributes in AI-integrated self-directed language learning. System. A total of 566 global participants were recruited using purposive sampling, targeting individuals who had utilized ChatGPT for language learning through carefully chosen platforms and channels that cate to this group. This study's participants represer a relatively young, predominantly female, and highly educated sample of language learners who his experience using ChatGPT.





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11. Kim, P., Wang, W., & Bonk, C. J. (2025). Generative AI as a coach to help students enhance proficiency in question formulation. *Journal of Educational Computing Research*, 63(3), 565-586. https://doi.org/10.1177/07366331251314222
12. Li, Z., Wang, C., & Bonk, C. J. (in review). Generative AI for teachers' self-directed professional development: A mixed-methods study. *TechTrends*.

12. Li, Z., Wang, C., & Bonk, C. J. (in review). Generative AI for teachers' self-directed professional development: A mixed-methods study. Tech Trends.

Note: We used an insted-method approach to collect and analyze 298 completed survey responses, five individual semi-structured interviews, and documents (e.g., ChatGPT chat history regarding SPD busge).

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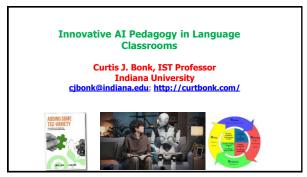
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12. Li, Z., Wang, C., & Bonk, C. J. (in review). Generative Al for teachers' self-directed professional development: A mixed-methods study. TechTrends.

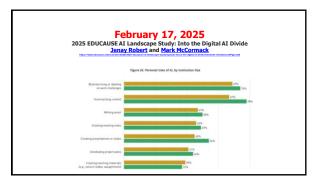
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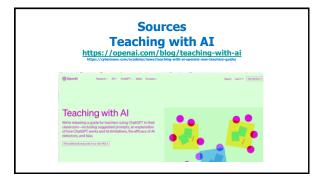
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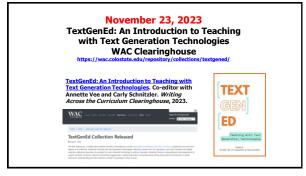




August 15, 2023
ChatGPT and generative AI:
25 applications in teaching and assessment
Seb Dianati & Suman Laudari, Charles Darwin University
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April 3, 2023
Affordances and Pedagogical Benefits
ChatGPT for Language Teaching and
Learning

It can:

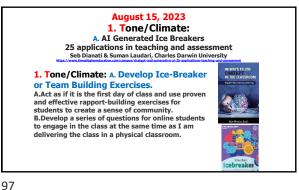
- 1. Identify the meaning of a word in context,
- 2. Correct and explain language mistakes,
- Create texts in various genres (e.g., emails, stories, recipes),
- 4. Develop quizzes,
- 5. Annotate texts, and
- 6. Offer dictionary definitions, example sentences, and translations

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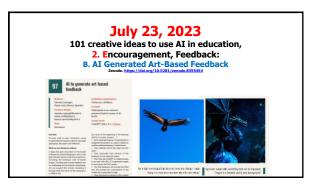


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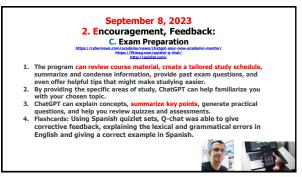








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August 31, 2023 2. Encouragement, Feedback: D. Translation Assistance to Improve Writing and Conversation Skills https://openai.com/blog/teaching-Dr. Anthony Kaziboni, the Head of Research at the University of Johannesburg, teaches students who mostly don't speak English of the classroom. Kaziboni believes that command of English is a of the classroom. Raziboni believes that command of English is a tremendous advantage in the academic world, and that misunderstandings of even small details of English grammar can hold back students from recognition and opportunity. He encourages his students to use ChatGPT for translation assistance, to improve their English writing, and to practice conversation.

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April 3, 2023

2. Encouragement, Feedback:

F. Ask ChatGPT to Adjust Language Complexity in the Dialogue
ChatGPT for Language Teaching and Learning
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July 23, 2023

101 creative ideas to use AI in education
3. Curiosity, Intrigue, Unknowns:

B. Chat with Anyone in Past

Oriest Nevarti, Sente Assegue, Neviron Kantsure, It Autorio Martines - Aboleda (Eds.), (2023).

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102 creative idea to a decignor of the Anyone in Past

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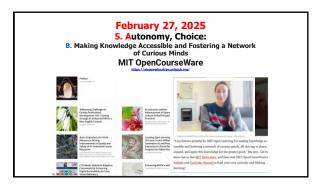
August 14, 2023

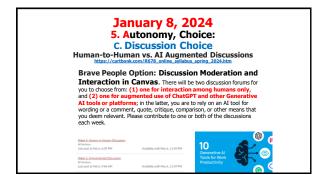
30 ChatGPT Prompts For Language Learners
Natalia Álvarez-Morillo, Carnegie Learning
4. Variety, Novelty, Fun, Fantasy:
8. ChatGPT as Conversation Partner...
https://www.carnegielearning.com/blog/28-chatgute-terompts-language-learning/
1. Pretend you are a first year university student from [target country]. I will ask you a series of questions in [target language], and I'd like you to respond as if you were human.

2. Let's pretend you are a tour company in [target country] called [name of company]. I will pretend to be a tourist. I will ask you a series of questions in [target language], and I'd like you to respond as if you were human.

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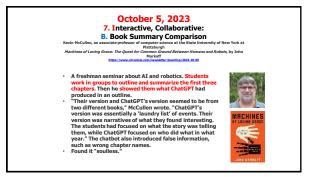




October 5, 2023 6. Relevance, Meaningfulness: A. Support for Job Applications and Resumes In the technical writing course, students used ChatGPI to write job-application materials, such as cover letter and resumes. Most of them, she wrote, found that the chatbot actually created work because, even with multiple prompts, the writing did not have much personality and was repetitive. personanty aim was repeutive. Maha Bali encourages them to use AI to generate id-refine their first drafts, or even start an assignment a ChatGPT-created draft and then make it their own

112 111





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July 12, 2023
7. Interactive, Collaborative:
D. Text Revision Daniel Stanford's Substack

Text Revision: For activities where students revise or critique AIgenerated 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 Algenerated without major revisions on your part.

Use track changes when revising AT-generated text so that the AT text is crossed out and your revised version is shown in a different

- 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

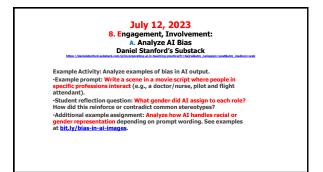


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April 4, 2024
Teaching with AI: A Practical Guide to a New Era of Human Learning (2024)
8. Engagement, Involvement:
B. Blogging and Journaling
Jose Antonio Bowen and C. Edward Watson
tos://www.press.hu.edu/books/title/53869/teaching

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.



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

· Ask teams of 3 students to use different AI tools to make Ask teams or 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 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.



121 122

April 4, 2024

Teaching with AI: A Practical Guide to a New Era of Human Learning (2024)
8. Engagement, Involvement:
D. Human vs. AI
Jose Antonio Bowen and C. Edward Watson
ttps://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 27, 2024

AI Pedagogy Project: Assignments

Harvard University

8. Engagement, Involvement:

G. Error Correction and Critical Thinking
essing software, use 'track changes' (or 'suggested edits') to copy edit the essay to
and comment on each of your changes, including why you think certain grammatical or
stylistic mistakes were made.



123 124

July 18, 2023
Center for Teaching Innovation, Cornell University CU Committee Report: Generative Artificial Intelligence for Education and Pedagogy

- 8. Engagement, Involvement: H. Pro and Con Debates.

A.Use GAI to generate pro and con arguments for a debate that is relevant

A Use GAI to generate pro and con arguments to a decease and 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 classmates.

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.



February 10, 2023

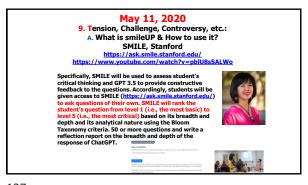
80 Ways to Use ChatGPT in the Classroom Stan Skrabut, Ed.D.

8. Engagement, Involvement: I. Language Conversation Partners

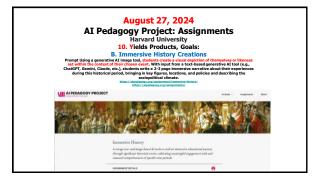
https://www.amazon.com/80-Ways-Use-ChatGPT-Classroom/d-/2004/

Generative AI might also translate articles and blocks of text into the target language. Next have students work in teams to improve the drafts through rewriting and discussion.









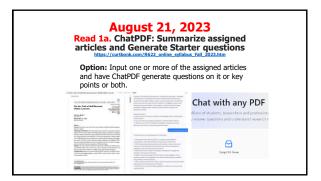
Make Commitments: Stop and Share in Chat Window: Which principle(s) of TEC-VARIETY will you use? Tone/Climate **Encouragement, Feedback** Curiosity **V**ariety Autonomy **MOTIVATION** Relevance Interactive Engagement THE STATE OF THE S Tension **Yields Products**

129 130

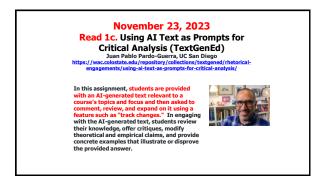




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October 5, 2023

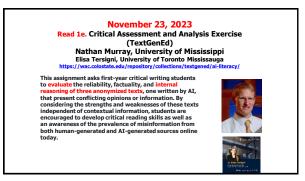
Read 1d. Annotate a ChatGPT-Generated

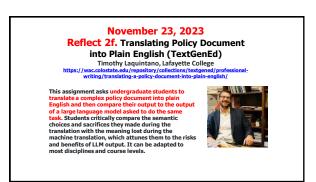
Essay

Gregg L. Michel, University of Texas at San Antonio
https://www.hchonicle.com/newsietter/texching/2023-10-05
https://web.hyothes.ir/

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

135 136





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July 18, 2023

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

Reflect 2g. Revise for new audience & reflect – graded assignment. Turn a two-page proposal into a one-page proposal for a new audience. Two Heads Again.

Alwa 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).

Bluse 6At to help shorten the original proposal.

Cirtically analyse how 6At shortened the work given the new audience.

Dulsing 6At edits and their critical thinking, shorten original proposal to one page.

Eullülze (e.g., headings, such-headings, bulleted lists or tables) to make the writing easy for the new audience to read quickly.

F. Students writer 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 provided.

July 18, 2023

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

Reflect 2h. 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 assignment.

assignment.

D.In-class discussion or written reflection: Students critically analyze the usefulness of AI in the brainstorming process.

139 140

July 18, 2023

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

Reflect 2i. Assess validity of sources for accuracy and bias.

A.Use GAI to find sources for an assignment relevant to the course.

B.Students review sources, evaluating the usedfulness 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 23, 2023

101 creative ideas to use AI in education,

Display 3a. Rewriting with AI Image Generators priss liverant, Sandra Abeggien, Marianna Kantskiri, & Antonio Martinez-Arboleda (Eds.), (2023). 1 creative ideas to use AI ne identation, A convidendered collection (2023 1.2) (Computer software). Zenodo. https://doi.org/10.3281/zenodo.3554544 (University of Ledes), Juny. of Calgary, and Jun. of Maccodonis)





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April 23, 2020

Display 4a. Demonstration Videos

Using DALL-E, Gencraft, Canva, etc. Crane Makerspace, Tina Closser

How To Make AI Generated Videos With DALLE-3 Images





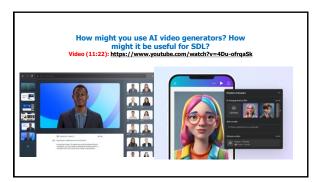


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February 20, 2024 Display 3b. Sora: Finally, An AI

Video Generator Video (3:34): https://youtu.be/IBx3xW1ua-E Sora

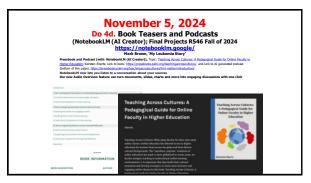








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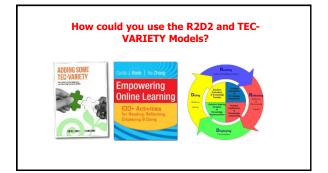




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