

Friend or Foe? A Teacher's Guide to Taming AI

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“Back to the Future: Victories and Visions”

Purpose

1. Explain general concepts related to AI in the classroom.
2. Explore educators' concerns and the current state of AI in the classroom.
3. Explain techniques and tools that encourage judicious and ethical use of AI across the curriculum.



Statement of Transparency and Intellectual Integrity With AI

1. Promote continuous learning
2. Encourage open dialogue on how information is compiled
3. Carry out rigorous scrutiny of data
4. Show a commitment to truthfulness
5. Be responsible in the dissemination of information

Impact of AI

1. Irreversibility
2. Permanent Change in daily life, advancements, economic impact, data dependency.

Personal assistants (e.g., Siri, Alexa)
Recommendation systems (e.g.,
Netflix, Amazon)



Possibilities and Concerns

- **Duolingo** uses AI to personalize lessons and provide adaptive learning paths.
- **Rosetta Stone** employs AI for speech recognition to help learners with pronunciation.
- **Babbel** uses machine learning algorithms to customize lessons based on user performance and preferences.
- **Netflix** uses AI to recommend relevant movies.
- Data privacy
- Bias
- Quality and accuracy
- Over-dependency on technology
- Resource equality
- Teacher and job displacement
- Ethical and transparency issues



Using ChatGPT in Language Learning - Ideas for Students

Survey Results on AI Use

Teachers in 17 different countries responded to a number of scenarios in which ChatGPT could be used for learning purposes and then rated the level of appropriateness of using this AI from Strongly Agree (very appropriate) to Strongly Disagree.



Summary of Survey Comments

- “I think my approval of many of these scenarios would depend on the specific instructions students were given.”
- “I haven't used Chat GPT so much but the former cases have given me a wider view of all the different ways to use and apply them. I would give it a try again.”
- “AI is quite useful if used appropriately, but it shouldn't be the only source of knowledge replacing human reflection and personal effort.”

Survey Summary

- “I responded neutrally to all questions because rushing into a new trend is just not my personality. I am an advocate of this new technology as a learning tool when used “correctly’ with boundaries in place. The questions in this survey are the backbone of a ChatGPT policy in education.”

Creating Effective Prompts

1. Be clear and specific.
2. Provide context and examples.
3. Specify the format.
4. Include constraints (e.g., word count).
5. Try different iterations to achieve refined results.

Practical Ideas Using ChatGPT

1. Conversational Practice
2. Vocabulary Building
3. Grammar and Syntax Practice
4. Reading Summaries
5. Writing Thesis Statements and Paraphrases
6. Research Writing

Mnemonic Learning Aids

Daniel, a high school student, is studying for his astronomy test. He uses ChatGPT to generate mnemonic devices and memory aids to help him remember terms and concepts about space. He integrates these mnemonic devices into his study routine and quizzes himself regularly.

1 - Rated very appropriate use of AI by teachers

5 - Rated very inappropriate

"My Very Educated Mother Just Served Us Noodles"



Creating a mnemonic device to remember the seven continents can make it easier to recall them. Here's a mnemonic sentence that includes the first letter of each continent in a memorable phrase:

Mnemonic Sentence:

"Aunt Ant Betty's Elephant Never Saw Apples."

Breakdown:

1. Aunt - Asia
2. Ant - Africa
3. Betty's - Europe
4. Elephant - Australia
5. Never - North America
6. Saw - South America
7. Apples - Antarctica

Detailed Mnemonic:

1. Asia (Aunt):

- Think of "Aunt" as a kind and caring person, which can help recall the vast and populous continent of Asia.

2. Africa (Ant):

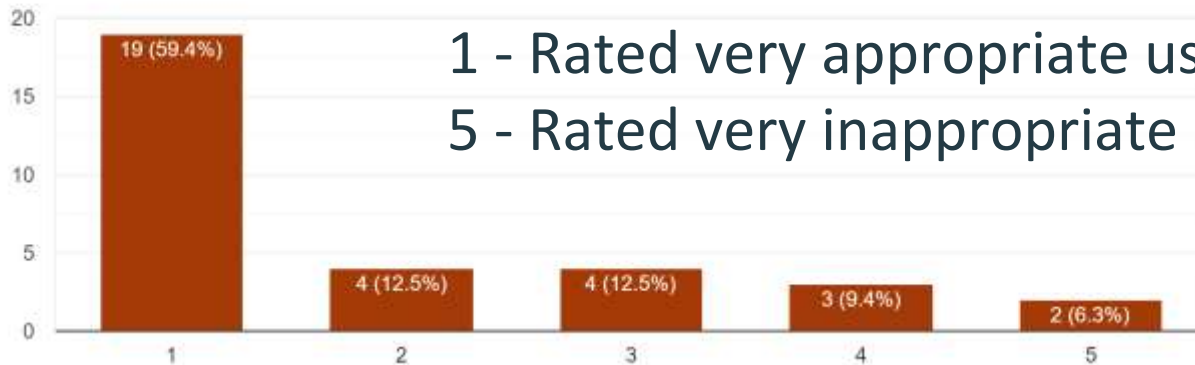
- "Ant" can remind you of the diverse wildlife and large deserts found in Africa.

Expanding Vocabulary

Prompt: “Come up with three descriptive adjectives for each of the five senses to describe a restaurant. Give a simple definition for each word and three simple sample sentences.”

Tomoko is writing a descriptive paragraph on her favorite restaurant and is looking for common adjectives to describe the different senses. She tel...e restaurant has a lot of sweet treats on the menu.

32 responses

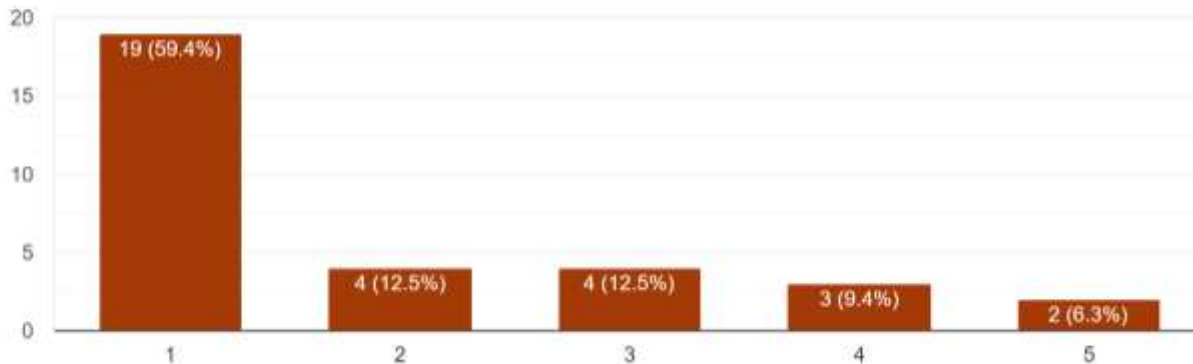


1 - Rated very appropriate use of AI by teachers
5 - Rated very inappropriate

Expanding Vocabulary

Tomoko is writing a descriptive paragraph on her favorite restaurant and is looking for common adjectives to describe the different senses. She tells ChatGPT to give her three descriptive adjectives for each sense, along with a definition, and sample sentence. Now that she understands these words better, she writes her paragraph using the ideas as models, but she does not copy the sentences.

32 responses



Environment

Buzzing

Vibrant

Mellow

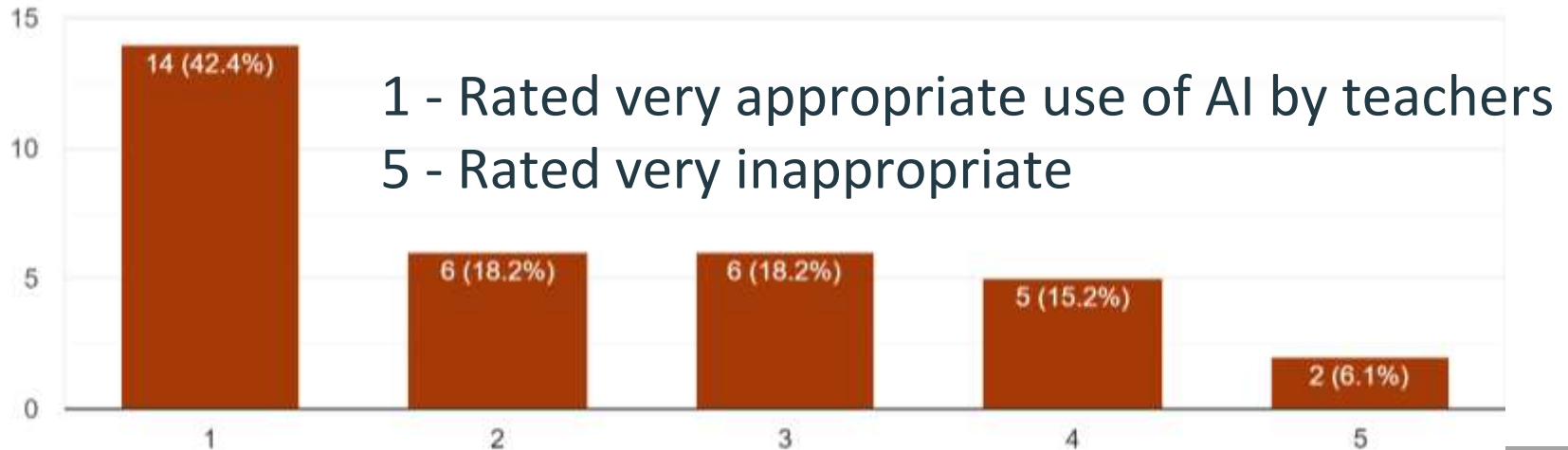
Comfortable

Sample sentence 1: The buzzing atmosphere of the restaurant indicated it was a popular spot.

Sample sentence 2: We enjoyed the buzzing of conversation around us as we dined.

Brainstorming Research Topics

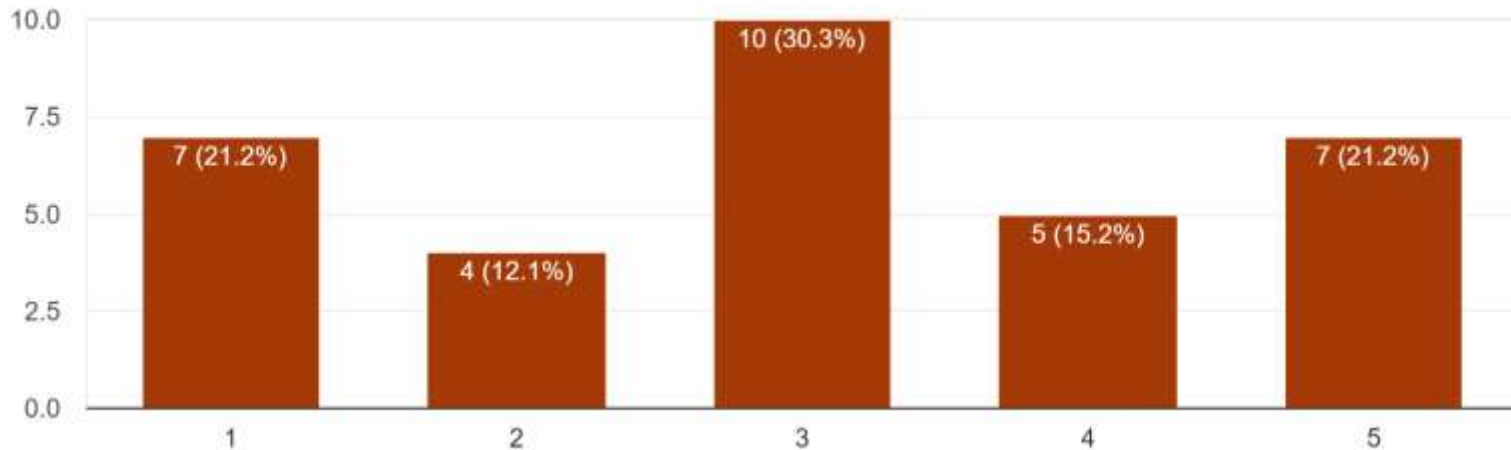
James is writing a comparison and contrast essay on face-to-face learning versus remote learning. He asks ChatGPT to come up with five ideas to compare and contrast the two topics. He then brings these ideas to class, discusses the strengths of each in a small group, and gets feedback from the group. He then selects the three strongest points of each based on this discussion and writes his essay on his own.



Brainstorming Research Topics

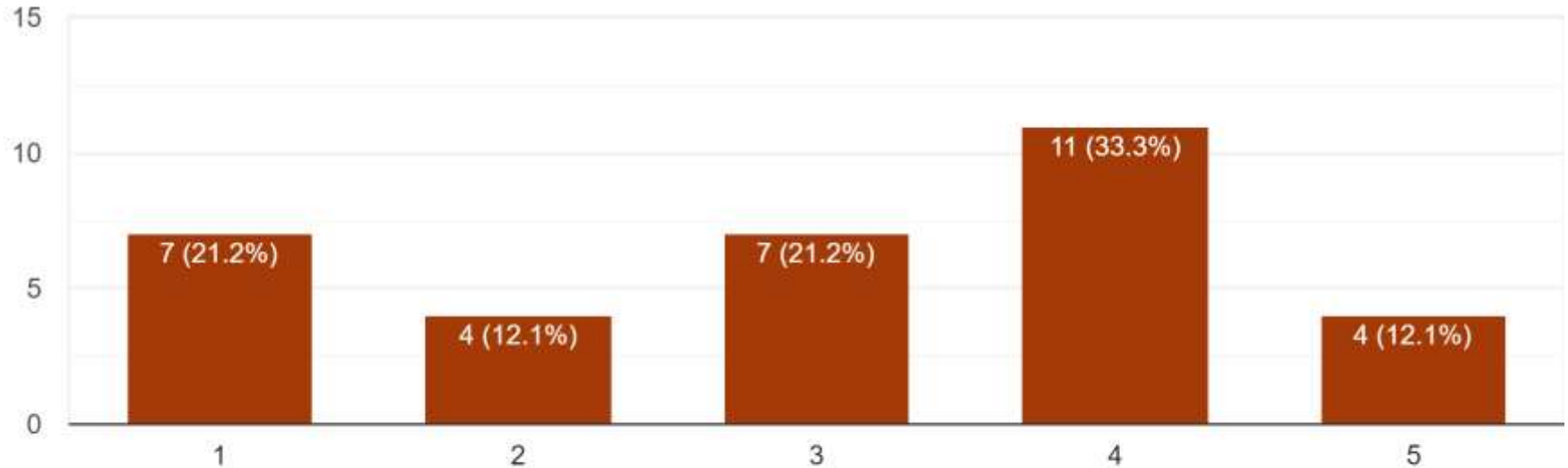
A student asks ChatGPT to generate 10 alternative thesis statements for their argumentative essay so they can explore different angles and perspectives. The student selects the best one that meets the essential criteria describe by the teacher and represents their own views, and adds the thesis statement to their paper, perhaps with slight modifications.

33 responses



A student asks ChatGPT to generate three drafts of a paragraph, compares the three versions, and develops their own final version by integrating and refining the best ideas from all of them.

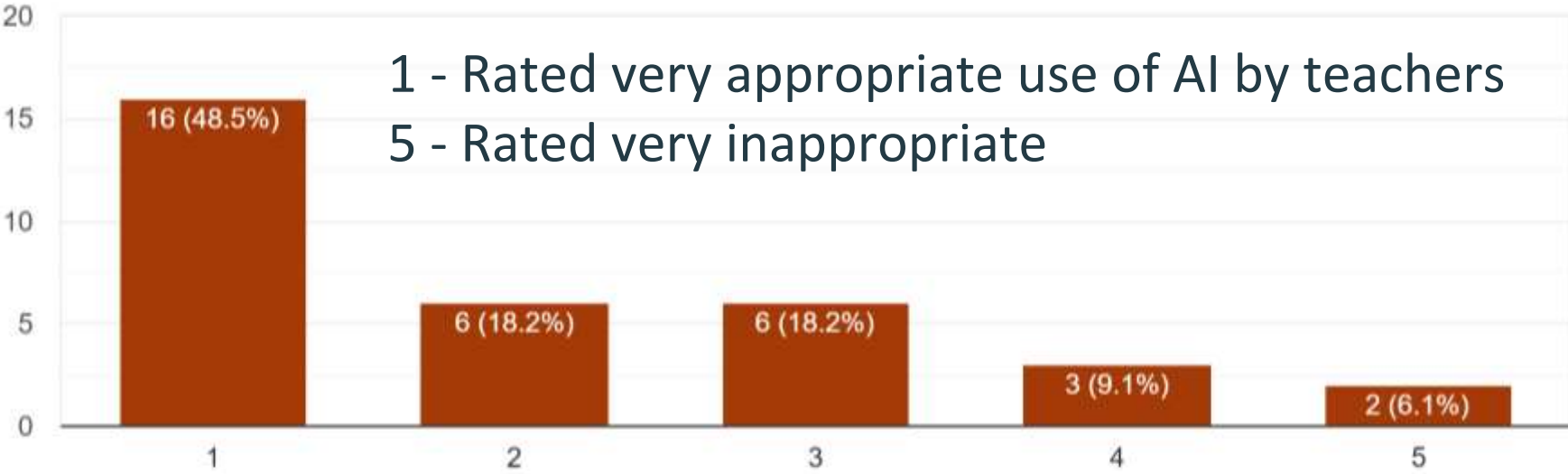
33 responses



1 - Rated very appropriate use of AI by teachers

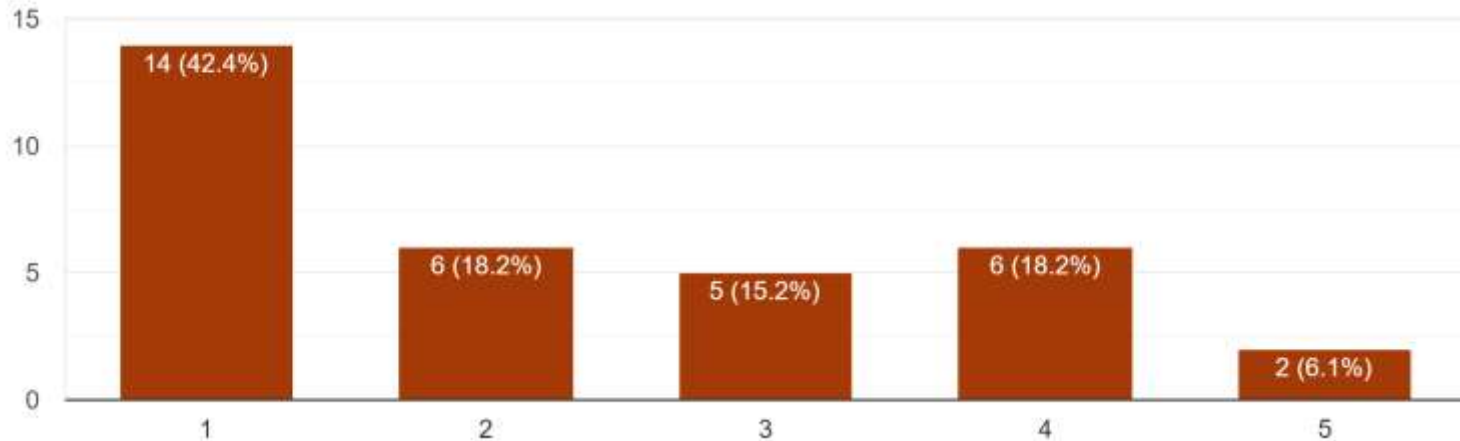
5 - Rated very inappropriate

Samantha, a high school student, is struggling with understanding Shakespearean language in "Macbeth." She uses ChatGPT to generate modern translations of difficult passages to aid her comprehension before performing a scene from the play in class.

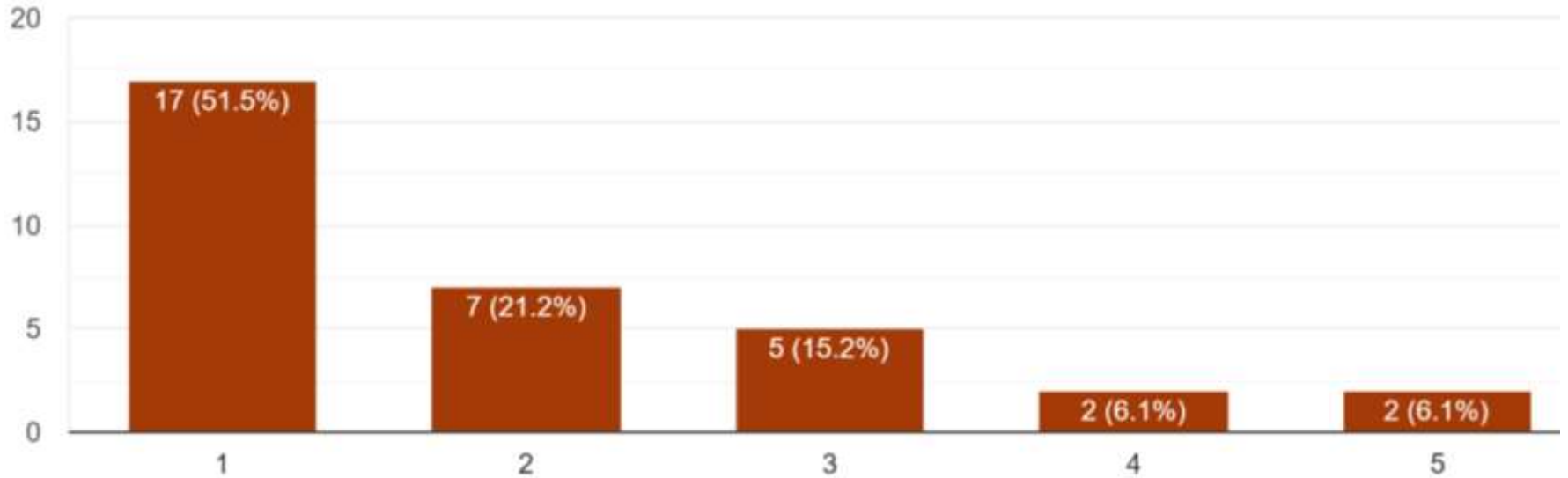


Generating Debate Rebuttals

Olivia, a high school student, is preparing for a class debate on climate change. Prior to the debate, she asks ChatGPT to generate a list of potential counterarguments from her opponent so she can create effective rebuttals. She looks over the results to enhance her preparedness for her opponent's challenging discussion and arguments.



Mia, a middle school student, is learning Spanish in her language class. She engages ChatGPT in conversational practice sessions to improve. Maria asks ChatGPT to give her a question in Spanish in text format, she writes her response, and then ChatGPT corrects her Spanish. Then, ChatGPT gives her another question.



Survey Summary

- Some of these ideas are absolutely great ways to highlight how ChatGPT could be useful.
- I think it's crucial that we allow or even encourage our students to use AI/ ChatGPT, but there should be regulations, limits, and methods as to how they can do that.
- As long as students are using the tool as an aide in learning, citing where needed this will serve as a learning enhancer. As teachers, we should be teaching them and facilitating how to use Gen AI for their benefit.



Ideas for Teachers

Objectives

- Create a lesson on honesty using AI technologies that enhance critical-thinking and language skills
- *"The Ethics of Lying: Exploring When and Why We Bend the Truth"*



AI-Generated Lesson

- The lesson title
- Pre-listening activities
- A listening task
- Comprehension questions
- A transcript
- Post-listening discussion questions at different levels
- An engaging and interactive game

Well-crafted prompts ensure that your questions or requests are understood accurately by the AI, leading to more relevant and useful responses.

Clear and concise prompts reduce the need for follow-up questions and clarifications, saving time for both the user and the AI.

ChatGPT – Lesson Title'

Prompt: "Create five possible titles for a lesson on honesty"

- "Truth or Consequence: The Moral Dilemmas of Lying"
- "The Ethics of Lying: When and Why We Bend the Truth"
- "The Lies We Tell: Navigating Ethical Gray Areas"
- "Honesty vs. Deception: Understanding the Impact of Lying"
- "Is Lying Justified? An Ethical Exploration"
- "The Fine Line Between Truth and Lies: Ethical Perspectives"

ChatGPT – Lesson Title’

Prompt: “Create five main objectives for a lesson on honesty and lying geared at ESL students.”

Vocabulary and Context:

- Students will learn and use vocabulary related to honesty and lying, including words like "truthful," "deceptive," "integrity," "fabricate," and "trust," in sentences and discussions to enhance their understanding and usage in various contexts.

Listening and Comprehension:

- Students will improve their listening comprehension skills by listening to stories, dialogues, or audio clips about honesty and lying, identifying main ideas, key details, and the moral implications presented.

Cultural Awareness and Comparison:

- Students will explore how different cultures view and handle honesty and lying, comparing these perspectives with their own cultural norms to develop a broader understanding of global attitudes and practices related to truthfulness and deception.



Listening Comprehension Questions

Now, watch the interview and answer the comprehension questions. You can also turn on the automatically-generated captions for the video once you start it.

Is it Okay to "Lie"? - Randall's ESL Cyber Listening Lab

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Is it Okay to
"Lie"?

Randall's ESL Cyber
Listening Lab

www.esl-lab.com

Watch on YouTube

Randall Aubrey Emily

<https://www.esl-lab.com/interviews/ae-honesty/>

How To Transcribe Audio To Text

- YouTube Transcribe
- Google Docs Voice Typing
- Windows Voice Typing
- Sonix.ai

ChatGPT – Pre-Listening Discussion Questions

Prompt: “Come up with pre-listening discussion questions on the topic, “Is it okay to lie?”

- **Defining Lies**

How would you define a lie? Are all lies harmful, or can some be harmless or even beneficial?

- **Personal Experiences:**

Have you ever told a lie to avoid hurting someone's feelings? What was the outcome?

- **Ethical Considerations:**

Are there situations where lying might be morally justified? Can you think of any examples?

- **Cultural Perspectives:**

How do different cultures view lying? Are there cultural practices or traditions where lying is more acceptable or even expected?

Are there certain cultures where lying about an illness is more culturally acceptable?




Yes, certain cultural contexts may make lying about an illness more culturally acceptable due to varying social norms, values, and circumstances. While it is challenging to make definitive statements about entire cultures, several factors can influence the acceptability of such behavior:

Collectivist vs. Individualist Cultures

Japan

- **Example:** In Japan, lying about an illness can be more culturally acceptable because of the strong emphasis on maintaining social harmony and not burdening others. For instance, an employee might downplay or lie about their illness to avoid causing inconvenience to colleagues and to maintain a strong work ethic.
- **Reason:** Japanese culture highly values group cohesion and avoiding actions that might disrupt social harmony or burden others. Additionally, there is a cultural emphasis on endurance and perseverance, often leading people to hide their suffering.

United States

- **Example:** In the United States, while honesty is generally valued, lying about an illness can occur due to economic pressures or job security concerns. For example, an employee without adequate sick leave might lie about their health to avoid losing their job or income.
- 
- **Reason:** The U.S. places a high value on individual responsibility and transparency,

ChatGPT – Pre-Listening Discussion Questions

Prompt: “Come up with pre-listening discussion questions on the topic, “Is it okay to lie?”

- **Consequences of Lying:**

What are some potential consequences of lying for the person telling the lie and the person being lied to?

- **Honesty vs. Kindness:**

Is it better to always be honest, even if it might hurt someone, or to sometimes lie to be kind? How do you balance these two values?

- **Legal and Professional Contexts:**

Are there specific professions or situations where lying is particularly problematic or forbidden? Can you think of any examples?

- **Trust and Relationships:**

How does lying affect trust in relationships? Can trust be rebuilt after a lie is discovered?

Pre-Listening Discussion

- Your grandmother, who is in hospice, gives you a sweater for Christmas and says that it took her three months to finish it. She asks you if you like it, but it is an awful-looking sweater.
- What do you say to your grandmother?
- Under what circumstances would your response change?

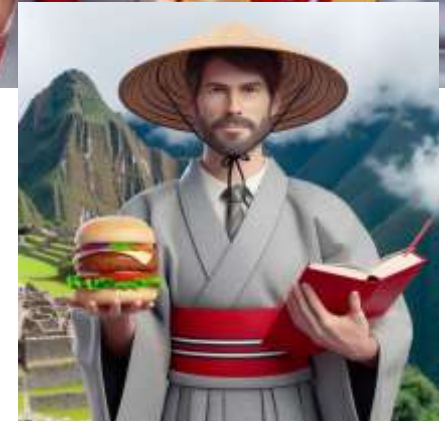
<https://designer.microsoft.com/image-creator>

“A grandmother giving a young man a very ugly sweater for Christmas”

“A grandmother giving a young man a very ugly sweater for his birthday”



“An ESL teacher wearing a kimono holding a grammar book and a cheeseburger at Machu Picchu”





Create six comprehension questions about this interview: three multiple-choice, one true-false question, one multiple-option question, and one open-ended question. Then, include an answer key and an explanation of the answers.



Sure, here are six comprehension questions based on the interview "Is it Okay to Lie? - Short Version," followed by an answer key and explanations.

Property Rights Issues

How can I use work created in Microsoft Designer?

- Image Creator by Designer and the Designer app are governed by their respective service terms. Under these terms today, Microsoft does not claim ownership of either content input by customers or content output by the service. Except for our acceptable use policies, Microsoft's terms do not restrict the commercialization of images created with these services, although customers will need to make their own determination regarding the IP (intellectual property) rights they have in output content and its commercial usability, taking into account their usage scenario(s) and the laws of the relevant jurisdiction.
- The latest iteration, DALL-E 3, powers the Image Creator, allowing users to create high-quality, customized images based on their descriptions.
- <https://support.microsoft.com/en-us/topic/unleash-your-productivity-with-ai-and-microsoft-copilot-0bff3d8e-96a2-4bd0-9ac4-b128b1291394>

Seeing the Big Picture

“The guy who invited the wheel was an idiot. The guy who invited the other three; he was a genius.”

Sid Cesar, American Comic Actor

Conclusion: The key to the successful use of any tool will lie in the ability of the user to connect technology and sound pedagogy.