

Using AI to Create Language Learning Curriculum with Communication Purpose



UNIVERSITY OF MIAMI
INTENSIVE
ENGLISH PROGRAM



Traditional Teaching

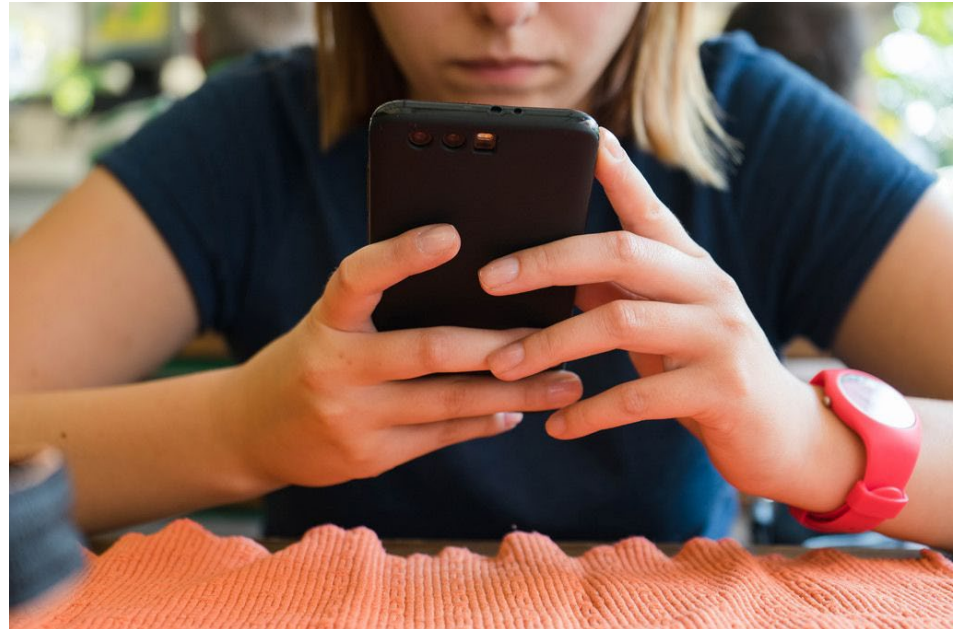


An instructor lectures



Students take notes, memorize, and complete rote exercises

How many of us have seen this in the classroom?



Students are more engaged with language acquisition when there is communication purpose and collaboration

Collaborative activities create communication purpose, stimulate students, and allow them to play an active role in their learning (Claxton, 2008, as cited in Ghanbaran & Ketabi, 2014).

Collaborative activities simulate incidental learning outside formal teaching environments (Suarez, 2016).

Learning is Implicit (Ellis, 1994):
Students learn from their peers in a process which takes place naturally, simply and without conscious operation.



Communicative Language Instruction



An instructor who acts as a guide, facilitator, and supporter.

IDEAL



Peer interaction



Goal oriented
collaborative activities



Have AI Create a Collaborative Game

An AI-generated treasure hunt improves student English skills and acquaints students with important international student services



Google Gemni designed treasure hunt



Create a treasure hunt for the University of Miami's International English Program students. Students must form groups and visit the campus police department, the indoor rock climbing wall, the International Student Services and Scholarship Services Office, and the Office of Transitional Advising. Each student group will hav...



The University of Miami: International Scavenger Hunt!

Welcome, International Hurricanes!

Get ready to explore the University of Miami campus and practice your English skills with this exciting treasure hunt! Gather your friends and form teams. It's time to test your teamwork, knowledge of UM, and, of course, your picture-taking abilities!

The Challenge:

1. First Stop: The Protectors of Peace

Head to the University of Miami Police Department. Take a group photo outside the department with at least one officer in the background (don't worry, they're friendly!). Remember, these are the people who keep us safe on campus, so be sure to show your appreciation!

Clue: They wear blue and ensure UM's safety. Take a picture with them, but don't cause any trouble!

Cannot rely only on collaborative activities

Even when adult learners have many opportunities to acquire the language implicitly, they often fail to attain high levels of grammatical competence (Ellis, 2002, as cited in Basturkmen, 2018)



To become proficient,
ESL students still
need to learn proper
grammar and syntax



Does this mean we are back to rote and random grammar exercises?

1.Fill in the blanks with the correct form of the past perfect tense:

1. By the time the movie started, we _____ (eat) dinner.
2. She _____ (not/finish) her homework before she went to bed.
3. The train _____ (already/leave) when I arrived at the station.

2.Rewrite the sentences using the past perfect tense:

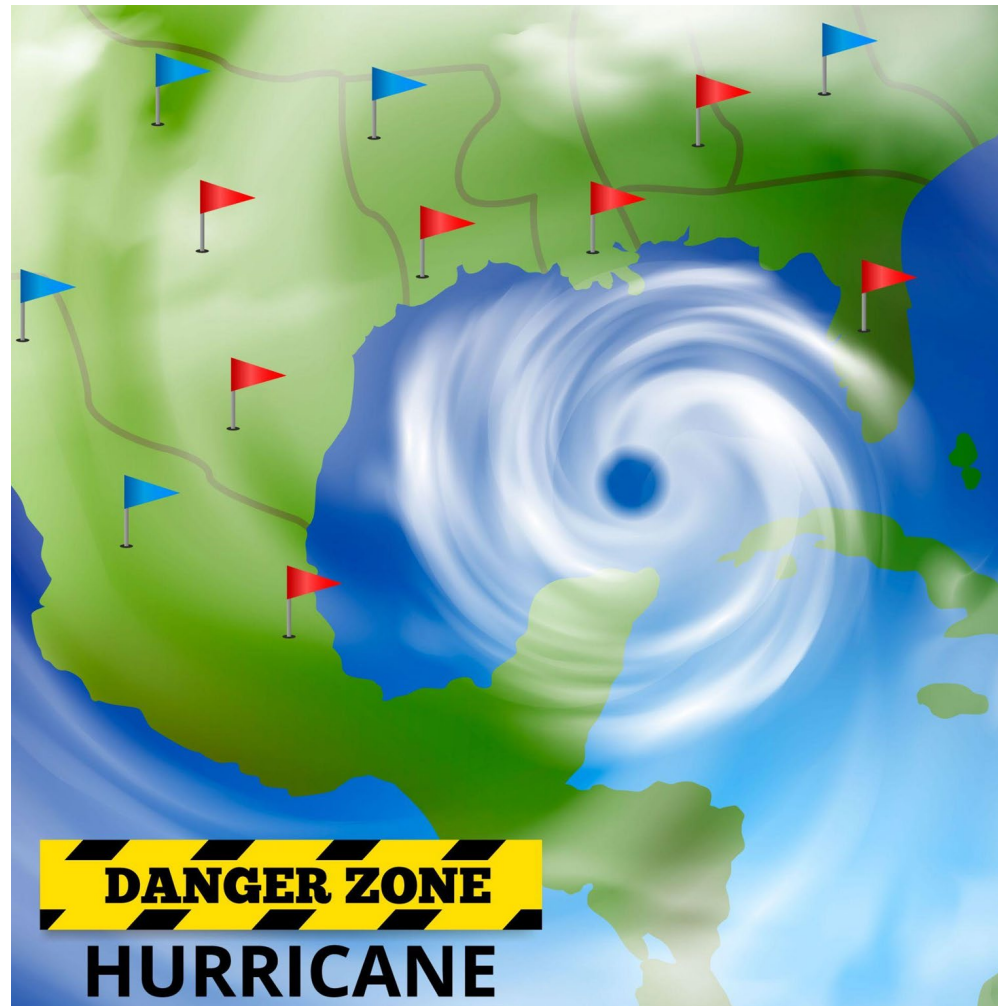
1. I had never seen such a beautiful beach before I went to Hawaii.
2. He did not have any experience in marketing before he got that job.
3. The children were tired because they played all day.





We can use AI to create grammar exercises that are stimulating and engaging.

**So I asked ChatGpt
to create grammar
questions and
language-learning
assignments from
weather service
articles on
hurricanes**



Simple Examples

QUESTION 7



Students should find _____ shelter that is closest to their home in case they have to evacuate.

- ☐ the
- ☐ is
- ☐ an



During an evacuation, follow _____ designated evacuation route for your area.

- ☐ is
- ☐ an
- ☐ the

Integrating campus activities into language instruction

Homecoming can provide an opportunity for generating engaging grammar exercises



So now I asked ChatGpt to create grammar questions and language-learning assignments based on homecoming.



QUESTION 1

Direct Speech: "I am going to the homecoming football game," she said.

Reported Speech: Write a sentence reporting what she said.

For the toolbar, press ALT+F10 (PC) or ALT+FN+F10 (Mac).

B	I	U	S	Paragraph	Arial	10pt	⋮							
<p>p</p>														

QUESTION 2

Direct Speech: "We'll have a parade on Friday," Mark said.

Reported Speech: Write a sentence reporting what Mark said.

For the toolbar, press ALT+F10 (PC) or ALT+FN+F10 (Mac).

B	I	U	S	Paragraph	Arial	10pt	⋮							

McDonald Coffee lawsuit revisited

Using Twee
and ChatGPT
we were able
to create:

- ESL listening exercises
- EL grammar exercises



Sample Listening Question

What percentage of Stella Liebeck's body was burned due to the coffee spill?

- A) 6%
- B) 10%
- C) 16%
- D) 20%
- **Correct Answer: C**





Sample Grammar Question

Identify the complex sentence from the following options:

- A) Stella Liebeck spilled just eight ounces of coffee, but she attracted a flood of attention.
- B) The severity of the burns caused Stella Liebeck to go into shock, and her grandson immediately took her to the emergency room.
- C) Stella Liebeck was a 79-year-old widow sitting in the passenger seat of a parked car when she was burned.

Correct Answer: C



Dimitrios Tsatiris M.D.

Anxiety in High-Achievers

Psychology Today

ANXIETY

The Benefits of Exercise for Anxiety

KEY POINTS

- Exercise can be a helpful tool to reduce anxiety.
- Exercise improves self-efficacy because it promotes the setting and achievement of goals.
- Make sure to have realistic expectations when starting an exercise routine.

Hybrid Grammar and Reading Quiz

Create a 20-question multiple-choice quiz on modal verbs. Use the following article as the background for the quiz:



ChatGPT

Based on the article provided, here is a 20-question multiple choice quiz focusing on the use of modal verbs related to the context of exercise, New Year's resolutions, and managing anxiety with physical activity. Each question includes four options (A, B, C, D), one of which is correct.

According to the article, exercise _____ reduce anxiety.

- A. must
- B. can
- C. should
- D. will

From a psychological perspective, exercise _____ help focus on the present moment.

- A. may
- B. has to
- C. could
- D. would

The correct answers are based on the modal verbs' appropriate usage in the context of possibilities, suggestions, capabilities, and obligations as mentioned in the article.

AI Makes Mistakes



You

You identified this as a run-on. The punctuation seems correct although the sentence seems wordy

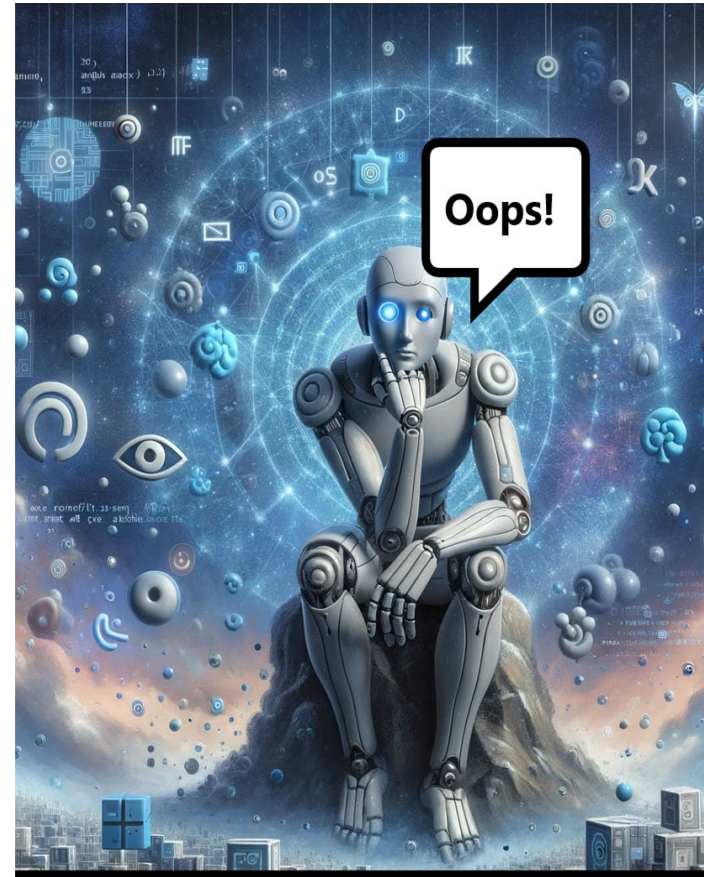
Original:

Student content appeared here. The sentence was wordy but did not contain a run-on.



ChatGPT

You're right to point out that the sentence, while wordy and potentially convoluted, may not technically qualify as a run-on. A run-on sentence typically occurs when two independent clauses are joined without appropriate punctuation or a conjunction. Let's reassess the sentence:



To err is AI

Takeaway

Because AI is prone to mistakes.

Some mistakes will be difficult to correct.

Make at least five to 10 more questions than you need.

Often it is easier to delete questions than to rewrite them.

Sure, I'll create a 30-question quiz focused on the use of perfect tenses in Edgar Allan Poe's "The Tell-Tale Heart." The questions will vary from multiple choice to fill-in-the-blanks, all centered around the understanding and application of perfect tenses in the context of the text.

Quiz: Perfect Tenses in "The Tell-Tale Heart"

Multiple Choice Questions

1. What tense is used in the phrase "I have heard all things in heaven and in the earth"?

- A) Simple past
- B) Present perfect
- C) Past perfect
- D) Future perfect

2. Choose the correct form to complete the sentence: "By the time the police arrived, I _____ (confess) everything."

- A) have confessed
- B) had confessed
- C) have been confessed
- D) was confessing

3. "I _____ (hear) many things in hell." Which tense fits here?

- A) hear
- B) heard
- C) have heard
- D) had heard

4. Identify the tense used in "He had never wronged me."

- A) Simple past
- B) Present perfect
- C) Past perfect
- D) Present continuous

5. Which tense is shown in the sentence: "They have suspected nothing."

- A) Present simple
- B) Present continuous
- C) Present perfect
- D) Past perfect



Stressed Alex

AI is a Powerful tool for creating animated characters to whom students can relate.



Graphics can complement grammar and syntax exercises

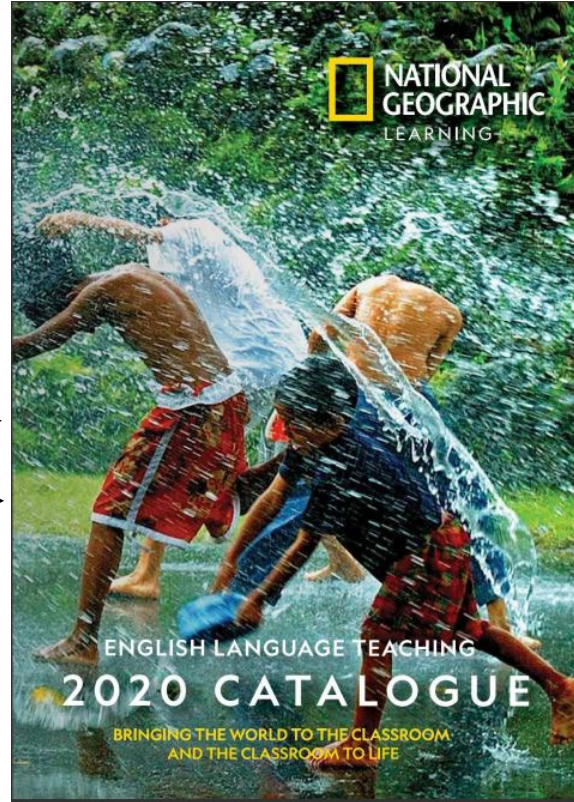
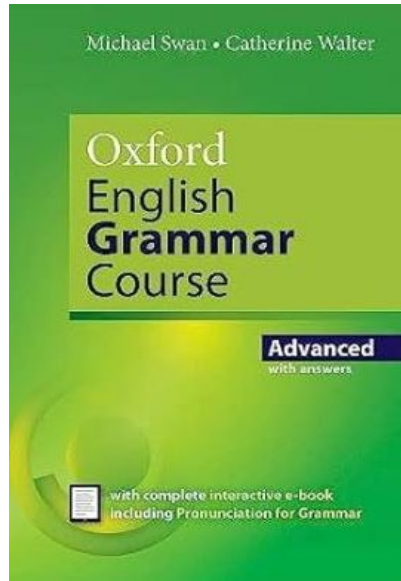
Identify whether the following sentences are zero-conditional, first-conditional, second-conditional, or third-conditional sentences. Write your answer in the blanks.

1. If Alex doesn't manage his time well, he will fall behind in his coursework. _____
2. If Alex were more organized, he would feel less overwhelmed. _____
3. If Alex had talked to his professor last week, he could have received help with his essay. _____



Our industry recognizes the importance of color and graphics

ESL textbook publishers also embraced color, pictures, and graphics



Honeymoon
Period



U-Curve Hypothesis

Normalization

Confusion



Disillusionment

Lysgard (as cited in Martin and Nakayama, 2010)

Anxiety



Depression

Hostility

Hostility



Crisis

adjustment





It is unlikely that Canadians changed the colors of their flag

A Graphics Mistakes can be a Graphic Mistake.

Now for The Elephant

(in the Room)

Copyright - Fair use

Section 107 of the Copyright Act provides the statutory framework for determining whether something is a fair use and identifies certain types of uses—such as criticism, comment, news reporting, teaching, scholarship, and research—as examples of activities that may qualify as fair use (U.S. Copyright.gov, 2023).



One more takeaway before we conclude

- Stay away from content that is extremely controversial.
- Political and socially volatile topics can detract from the purpose of language learning.
- Students focus on the issue and lose focus on language learning



(As cited in Eckert, 2018)



Conclusion:

- AI is a powerful tool for generating more engaging ESL exercises.
- The ease with which AI generates engaging material can encourage instructors to generate more engaging curricula

However

- AI makes mistakes, even with graphics
- Instructors must check accuracy!

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RETROREPORT

Presented by

The New York Times

twee



ChatGPT

AI can help us generate EAP content that is more engaging for students.



Gemini

twee



Copilot



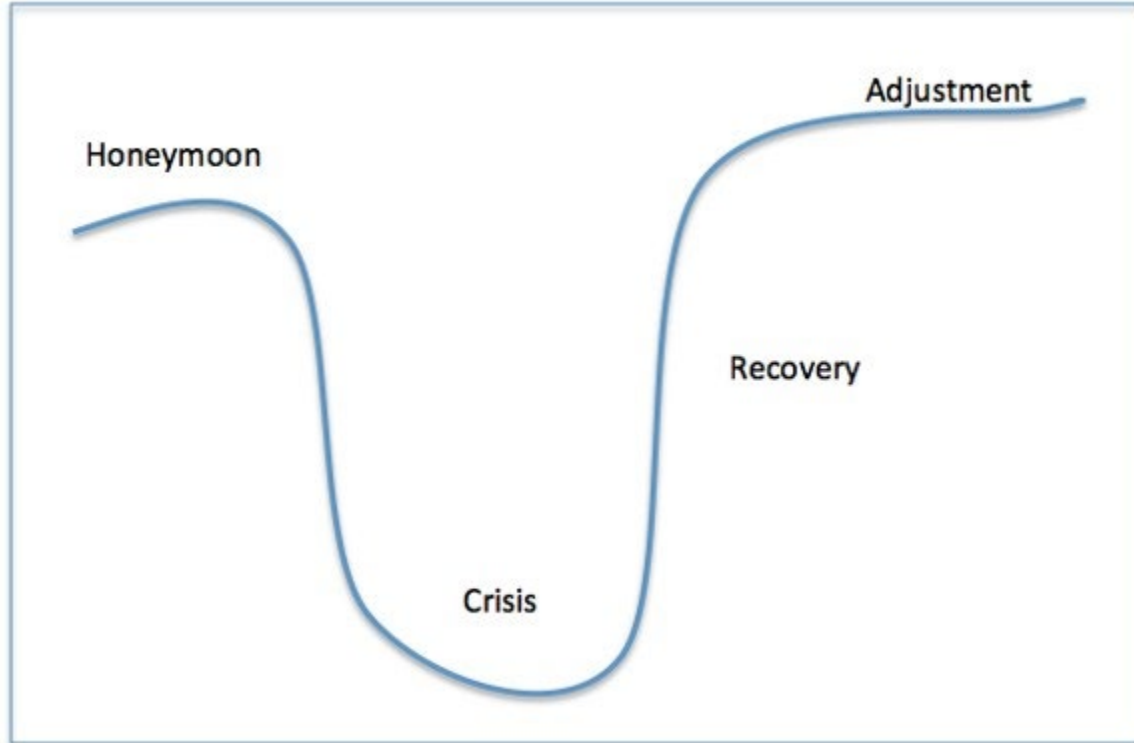
ChatGPT

to create exercises that are more engaging than rote grammar questions.

From an uploaded mascot picture, AI generated illustrations to accompany the collaborative treasure hunt

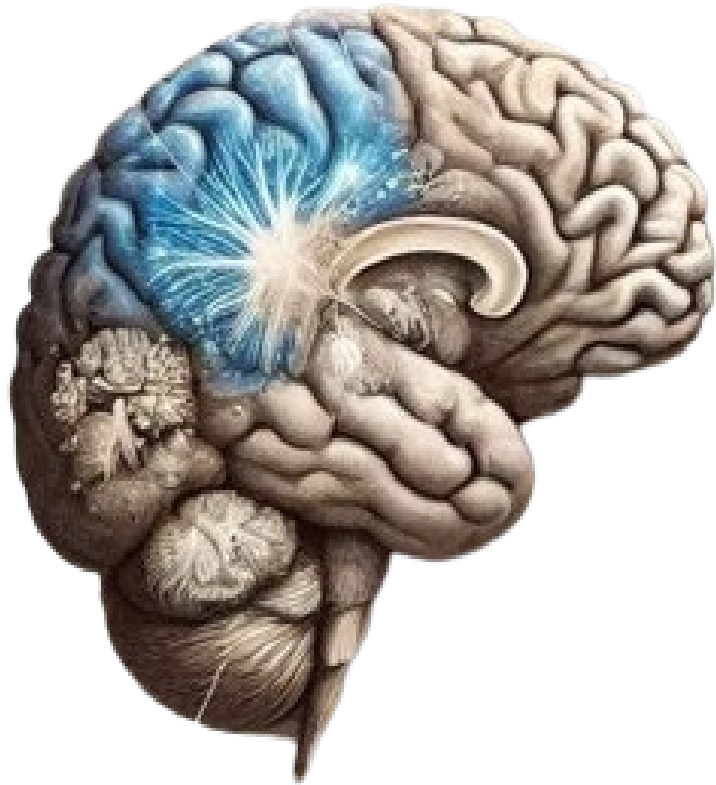


Stressed Alex is also based on U-Curve Hypothesis, context to which our student relate



Based on Lysgaard research
(In Martin and Nakayama,
2010)

Non-Engaged Brain



Engaged Brain



Takeaway: AI is simply a tool and error prone



Message ChatGPT



ChatGPT can make mistakes. Check important info.

