

# AI and Critical Thinking

## Strengthening Critical Thinking in the Language Classroom for the AI Era



Co-funded by the European Union

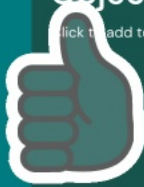
Let's reflect:



- I can check the quality of the given information.
- I can ask informed questions and seek deeper understanding.
- I can apply my analytical skills and critical thinking when using AI.

### Objectives

Click to add text



### Essential Understandings

- 1 Click to add text
- 2 Click to add text
- 3 Click to add text



### Powerful questioning

Why do you think long queues are a major issue? How could technology help address this?

What trade-offs are you making with your chosen solutions, and how might they affect other aspects of the canteen experience?



### Assessment

#### Activity 1

- 1 Click to add text
- 2 Click to add text
- 3 Click to add text

#### Activity 2

- 1 Click to add text
- 2 Click to add text
- 3 Click to add text



### Let's get ready

This lesson is about:

- The power of AI
- Students' critical thinking skills
- The role of the teacher



### Let's start

- How many of you have used AI in your classroom?
- How does the use of AI affect your students' learning?
- Do they use it as a crutch or as a way to build their skills?



### Procedure

Warm-up Activity

- Click to add text  Click to add text

1

Step 1

2

Step 2



### Critical thinking questions

Evidence and Reasoning

1. Which text provides a clearer sense of the real-world consequences of climate change?

2. What kind of evidence or examples does each text use, and how does that shape your perception of the issue?



### Critical thinking questions

Bias and Intent

1. How might the human-written text reflect the author's personal opinions or agenda compared to the AI-generated one?

2. Does one text appear more neutral or informative, and how does that affect your trust in the information provided?



### Let's discuss

What is one change you can make in the next month to encourage critical thinking in your classroom?



Let's present



### Critical thinking questions

Tone and Depth

1. Which one offers a more urgent and persuasive tone, and how does that impact your understanding of climate change as an issue?

2. Why do you think that tone matters in discussing serious topics like this?



### Critical thinking in action

AI-generated text

Climate change is the long-term alteration of temperature and other weather patterns in a given area, which is being caused by human activities, such as burning fossil fuels, deforestation, and other processes that release greenhouse gases into the atmosphere. These gases trap heat from the sun, leading to a warming effect on the planet's surface and in the atmosphere. This warming is causing a range of impacts, including rising sea levels, more frequent and severe weather events, and changes in ecosystems and biodiversity.

Human-written text

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# Critical thinking in action

## AI-Generated Text:

"Climate change is the long-term alteration of temperature and typical weather patterns in a place. This phenomenon has been linked to human activities like burning fossil fuels, which release greenhouse gases into the atmosphere. These gases trap heat, causing the planet to warm up. Climate change can lead to extreme weather events like hurricanes and droughts, which can disrupt ecosystems and harm human life."

## Human-Written Text:

"Climate change represents a profound shift in the Earth's environmental balance, driven largely by human activities such as industrialization and deforestation. The relentless emission of greenhouse gases not only accelerates global warming but also fuels more frequent and severe natural disasters. The increased frequency of wildfires, the displacement of communities due to rising sea levels, and the devastating effects on biodiversity show that climate change is not a distant issue but a pressing crisis. To mitigate its impact, collective global action, policy change, and a move towards sustainable living are urgent imperatives."

# Critical thinking questions

## Tone and Depth



1. Which one offers a more urgent and persuasive tone, and how does that impact your understanding of climate change as an issue?
2. Why do you think that tone matters in discussing serious topics like this?

# Critical thinking questions

## Evidence and Reasoning



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