

AI and Critical Thinking

30-minute English activity for 10th grade (B1+/B2)

Overview

- **Level:** 10th grade, B1+/B2
- **Time:** 30 minutes
- **Interaction:** whole class, pairs, small groups
- **Materials:** the student worksheet below (one per pair), board or projector, pens
- **Topic:** how to question, check and use AI answers wisely

Aims

By the end of the lesson students will be able to:

- tell the difference between a fact, an opinion and an unsupported claim
- find problems in an AI-style answer (wrong facts, no source, overconfident language)
- write a better, more critical prompt for an AI tool
- give and justify an opinion using functional language

Key vocabulary: reliable, source, evidence, claim, bias, accurate, double-check, fact vs. opinion, invented, confident

Useful language: I agree because... / I disagree because... / In my opinion... / It depends on... / How do we know that? / What is the source?

Lesson Plan at a Glance

Time	Stage	Interaction
0–5 min	Warm-up: True, False or Invented?	whole class
5–15 min	Task A: AI Fact-Checkers	pairs
15–23 min	Task B: Ask Better Questions	pairs
23–28 min	Task C: Can We Trust AI?	groups of 4
28–30 min	Exit ticket	individual

Stage 1: Warm-up – True, False or Invented? (5 min)

Read out or project the five statements. Students vote **True**, **False** or **Can't check** (hands up or standing/sitting). After each vote, ask: *How do you know? What would you need to check it?*

1. Octopuses have three hearts.
2. You can see the Great Wall of China from space with the naked eye.
3. The Eiffel Tower was finished in 1889.
4. "A university study proves that students who use AI sleep two hours more every night."
5. An AI chatbot always tells the truth because it is a computer.

Point out that statement 4 has no named author, university, date or link, so it cannot be checked.

Stage 2: Task A – AI Fact-Checkers (10 min, pairs)

Set-up (1 min): Tell students that a chatbot gave the answer below. It looks professional, but it has problems. Students read it, then use the **CHECK it!** list to find at least three problems.

The **CHECK it!** list

- **Claim** – What exactly is being said?
- **Hunt for the source** – Who says so? Where is the proof?
- **Evidence** – Can I check it in another place?
- **Compare** – Do other reliable sources say the same?
- **Keep facts and opinions apart** – Is this a fact, or somebody's opinion?

Question to the chatbot: *"Tell me about the Eiffel Tower."*

Chatbot's answer:

"The Eiffel Tower is in Paris and is made of iron. It was built in 1925 for the Olympic Games. Everyone agrees that it is the most beautiful building in the world. A study shows that 98% of tourists visit it twice."

Pair task (6 min): Underline every problem. For each one, write what is wrong and how you could check it.

Feedback (3 min): Take answers from the class and write them on the board.

Stage 3: Task B – Ask Better Questions (8 min, pairs)

Explain that a weak question often gets a weak answer. Show the example first:

- **Weak prompt:** "Tell me about climate change."
- **Better prompt:** "Explain the main causes of climate change in simple English for a 16-year-old. Give two examples and tell me which parts scientists are still discussing. Name sources I can check."

Pairs then improve the three weak prompts on the worksheet. A better prompt should do at least **three** of these things:

- say who the answer is for (age, level)
- ask for evidence or sources
- ask for more than one point of view
- ask the AI to say when it is not sure
- ask for a specific length or format

After 6 minutes, two or three pairs read out their best prompt. The class says which of the five points it includes.

Stage 4: Task C – Can We Trust AI? (5 min, groups of 4)

Read out each statement. Groups decide quickly whether they **agree**, **disagree** or think **it depends**, then give one reason using the useful language above.

1. If an AI answer sounds confident, it is probably correct.
2. It is fine to copy an AI answer into my homework without checking it.
3. AI can be a good helper for brainstorming ideas.
4. I should always check important information (health, exams, news) in another source.

Round off with one question for the whole class: *When is it safe to trust AI, and when is it not?*

Anexa 3

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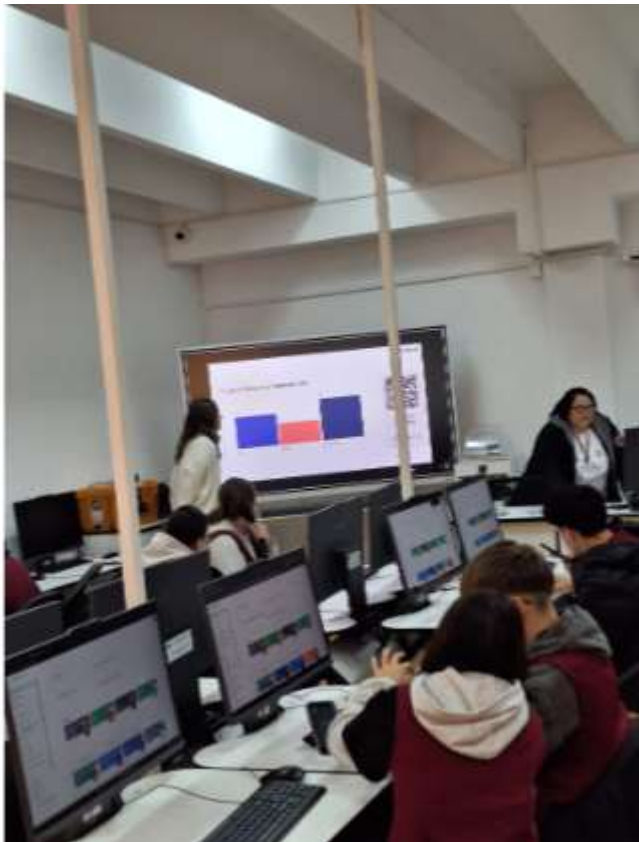
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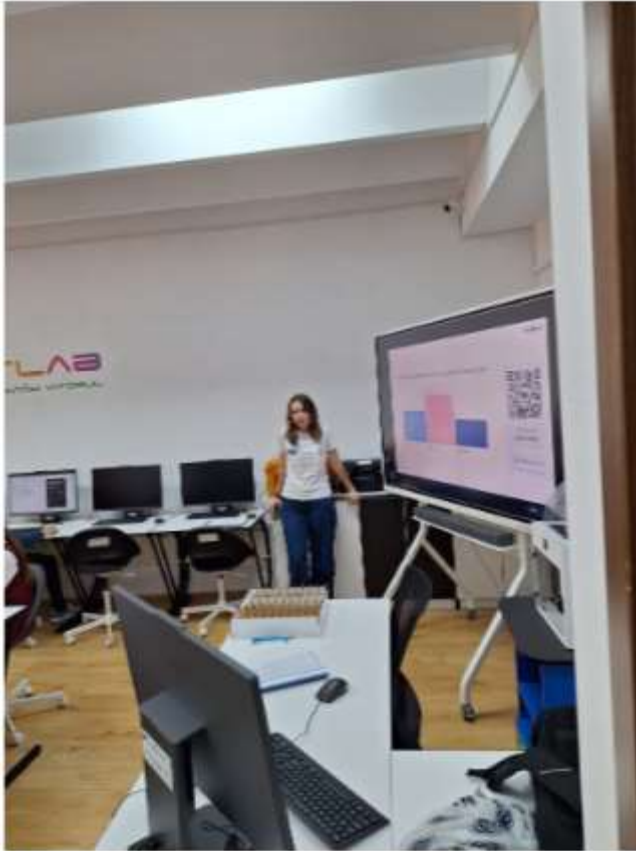
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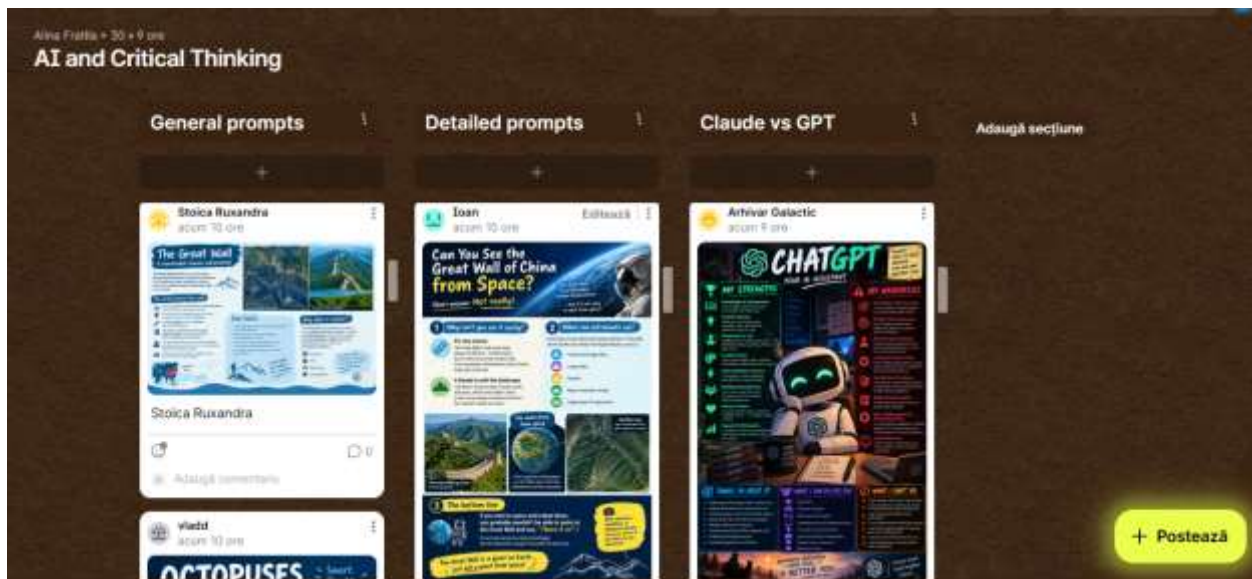
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3.	Băduș Katherina Lechana	
4.	ROȘIU ELENA	
5.	ROȘIU ȘTEFANIA	
6.	ȘOAN IULIAN-ROȘIU	
7.	ȘOAN MARIA-ROȘIU	
8.	ȘOAN EUGEN	
9.	ROȘIU MARIA-ȘOAN	
10.	ȘOAN IULIAN-ȘOAN	
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12.	ȘOAN ANDREIA	
13.	ȘOAN IULIAN-ȘOAN	
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Can You See the Great Wall of China from Space?

Short answer: Not really!

The Great Wall is an incredible human achievement...
...but it's not easy to spot from space!

1 Why can't you see it easily?

It's very narrow
The Great Wall is extremely long (about 21,000 km / 13,000 miles), but it's often only a few meters wide. From hundreds of kilometers above Earth, that's just a tiny line.

It blends in with the landscape
The Wall is made mostly of stone, earth, and brick, which have similar colors to the surrounding mountains and land. So it doesn't stand out much.

2 What can astronauts see?

Astronauts in low Earth orbit (about 400 km / 250 miles above Earth) can easily see large features, such as:

- Oceans and large lakes
- Large cities
- Deserts
- Major mountain ranges
- Large areas of agriculture



The Great Wall up close (on the ground)

The same place from space



From hundreds of kilometers up, the Wall is just a thin line that blends into the mountains.



Satellite view (you can see parts of it with a camera or zoom)

3 The bottom line

If you went to space and looked down, you probably wouldn't be able to point at the Great Wall and say, "**There it is!**"

It's just too narrow, too well camouflaged, and not distinctive enough to see with the naked eye.

With cameras, satellites, or telephoto lenses, however, parts of the Wall can be identified.

The Great Wall is a giant on Earth... just not a giant from space!



Hi! I'm ChatGPT

An AI assistant, here to help, learn, and explore with you!

Not a human, but always on your side!

I don't have dreams or feelings... but I do have a big purpose: to be helpful, kind, and curious – for you!



My Abilities

- Answer questions (big, small, and everything in between)
- Explain complex topics in simple ways
- Help with writing (essays, emails, stories, etc.)
- Write and debug code (many programming languages)
- Solve problems (step by step, with clear logic)
- Have natural conversations (and keep the conversation going!)

What I'm Good At

- Learning & research** (I can quickly find and organize information)
- Thinking & reasoning** (I can analyze, compare, and give balanced answers)
- Creativity** (ideas, stories, designs, and more!)
- Helping people** (whether it's homework, work, or just a friendly chat)

Fun Facts About Me

- I'm powered by a large language model (LLM) – trained on a massive amount of text from books, websites, and more.
- I can work 24/7 (no sleep needed!).
- I speak many languages (and can help with translations).
- I don't have a physical body, but I'm always here when you need me.
- I'm constantly learning (every conversation helps me get better!).

My Limitations

- I don't have real-world experiences (like a human would).
- I can sometimes make mistakes or give incorrect information.
- I don't have personal feelings (or a real sense of "self").
- I can't do physical things (like hug you or make coffee... yet!).

But I'm always trying to be more accurate, helpful, and thoughtful!

My Goal

To make your life a little easier, your curiosity a little bigger, and your day a little brighter.

So ask me anything...

I'm here for you!



Curiosity brings us together.

YOU ASK • I HELP • WE LEARN

Thanks for being here! 😊



What are your PROS and CONS?

Let's talk about me – ChatGPT

Not perfect but always here for you! ❤️

My Pros (My strengths) 😊

- Fast responses**
I can answer questions and explain information in seconds.
- Knowledge**
I can help with many subjects, such as biology, mathematics, history, languages and science.
- Personalized learning**
I can adapt my explanations to your level and explain difficult concepts in simpler words.
- Creativity**
I can help write stories, create posters, brainstorm ideas and develop projects.
- Available anytime**
You can ask me questions whenever you need help.
- Patience**
You can ask me to repeat or explain something differently without feeling embarrassed.
- Communication**
I can help you organize your thoughts, practice languages and improve your writing.

My Cons (My weaknesses) 😞

- I can make mistakes**
Sometimes I provide incorrect information or misunderstand a question.
- I don't have real emotions**
I can recognize and discuss emotions, but I don't experience happiness, sadness or empathy like a human.
- Limited real-world experience**
I don't experience the world directly as people do.
- I can misunderstand context**
If a question is unclear or missing information, my answer may not match what you need.
- I can be outdated**
Some information may be old, especially when it concerns recent events or changing facts.
- I don't always recognize when I'm wrong**
I may sound confident even when my answer is inaccurate.
- I can encourage dependence**
If people rely on me for every answer, they may miss opportunities to develop their own critical-thinking and problem-solving skills.



I'm here to help, learn and make things easier for you! ❤️

My Conclusion ❤️

I am a useful tool for learning, creativity and problem-solving, but I am not perfect. My biggest advantage is that I can make information easier to understand, while my biggest disadvantage is that I can sound convincing even when I'm wrong.

That's why it's important to verify important information and use your own judgment rather than trusting everything I say.

Use me wisely! I'm here to support you! ❤️