

Practical example for teachers

Related content: M1-T1-MLC2 – Deep Learning – Artificial Neural Networks

Objective: to develop the conscious use of AI. To make it clear that the reliability of AI answers depends on the type of question, so the answers should be critically evaluated.

Title: When can we trust AI's response more?

Exercise: Joint reflection on the reasons for the different reliability of AI responses.

Duration: 10 minutes

Form of work: joint discussion

Tools: ChatGPT or other generative AI

Instructions:

1. Discuss the question:

What could be the reason why AI gives a more reliable answer to scientific questions than, for example, to a question about a historical event?

2. Formulate a short conclusion together.

3. Ask the AI the same question. Discuss the answer and, if necessary, refine your own idea.

Lesson learnt:

- In the natural sciences, many statements are better verifiable. For example, in the case of the boiling point of water, Newton's laws, a chemical reaction, or a mathematical calculation, it is relatively clear whether an answer is correct. However, there may be several competing interpretations of the causes of a historical event.
- In the natural sciences there is a lot of knowledge that can be derived from each other. If the AI knows the correct formula and data, it can often recalculate the result. For example, a missing

value can be determined from the relationship between road, speed, and time. There is no similar "formula" in history from which the most important cause of a revolution could be calculated, for example.

- The meaning of scientific concepts is usually more stable. The meaning of "gravitational acceleration", "DNA" or "oxidation" is less dependent on who uses the term. On the other hand, concepts such as "democracy", "just war", "radicalism" or even "successful economic policy" can strongly depend on the point of view and the chosen definition.
- In history, fact and interpretation are easily confused. The date on which a contract was signed is a matter of fact. However, "whether this was the main cause of the later conflict" is already a historian's interpretation. Al sometimes formulates a common interpretation as if it were an indisputable fact.

Copyright © 2026 DEBATE Consortium

This work is based on the Creative Commons Attribution! "This is how it is passed on!" 4.0 International License (CC BY-SA 4.0).



Funded by the European Union. The views and opinions expressed are those of the author(s) alone and do not necessarily reflect the views of the European Union or the National Agency.

