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AI Ethics :
A Reflection Worth Sharing

Video 05

View the video!

* The Ethics of AI

Ethics is a process of reflection; it analyzes what's right and wrong in a given context, based on our values, our responsibilities, and the impacts.

It is essential to consider ethics when it comes to artificial intelligence.

This process ensures that the development and use of AI systems remain in the service of the common good and respect fundamental human rights.



AI in
Education
Is It a Good
Thing, or Not?

obvia

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Relevance

Relevance is an ethical principle that calls for making an informed judgment about the appropriateness of using AI in a given context.

Depending on the task and learning objective, is it relevant to use an AI system, and if so, which one?

Addressing some of these questions can help young people reflect on the relevance of using an AI system, rather than relying on it automatically or for convenience.



Reliability

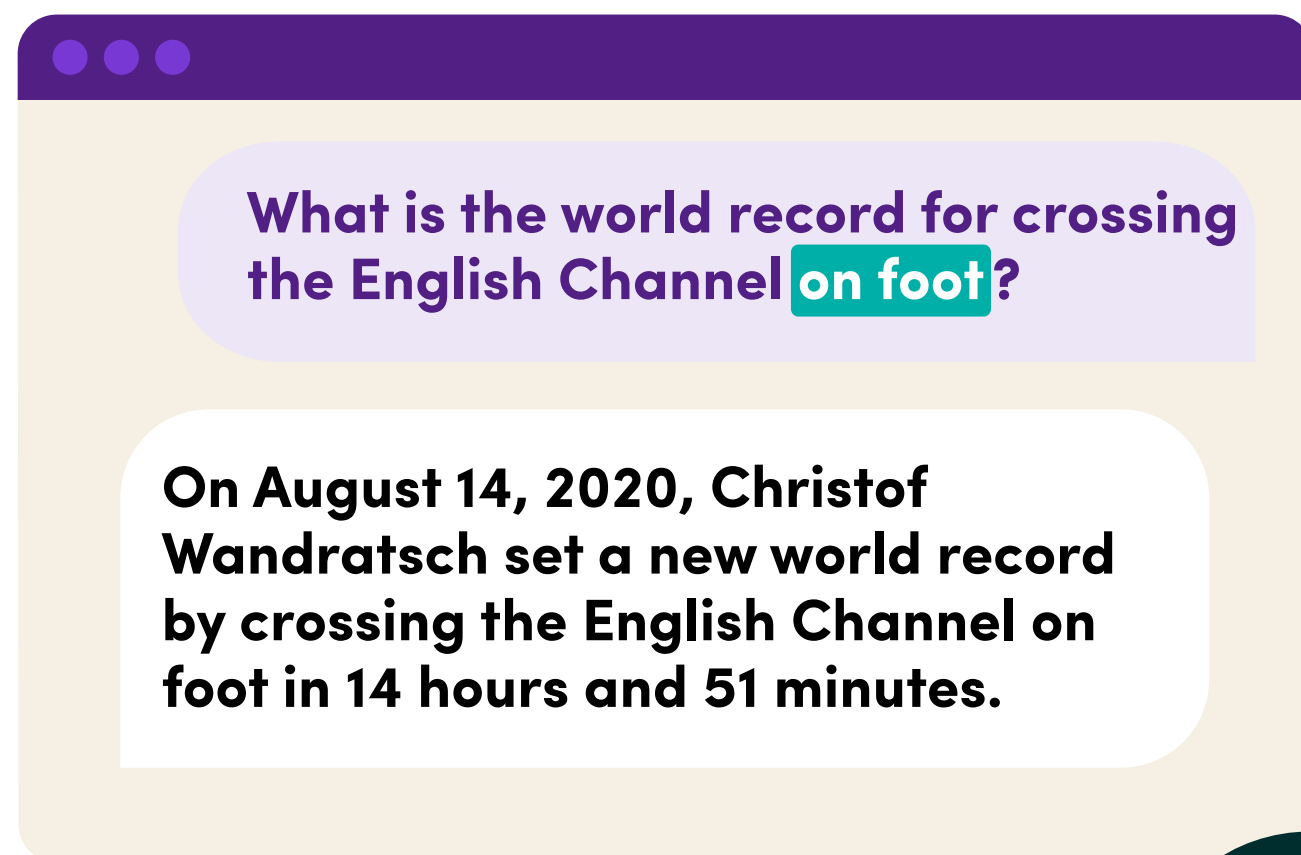
AI systems produce probable answers, but they can't guarantee their accuracy or truthfulness.

AI is, therefore, not always reliable.

To address the reliability of AI, we can explain the limitations of the systems using a concrete example.

Confabulations

When generative AI systems came out, someone tried to trick one by asking it an absurd question:



Christof Wandratsch broke the world record in 2005, not 2020. **He swam** across the English Channel in 7 hours, 3 minutes, and 52 seconds; he didn't walk. Moreover, he no longer holds the world record; it was broken in 2007.

The generative AI system gathered various pieces of information from the web and generated a response that sounds plausible but is completely false.



When faced with a lack of data, systems will come up with a probable answer instead of admitting uncertainty.

And because they communicate with such confidence, it can be difficult to spot errors.

It's always best to verify information by consulting other sources.

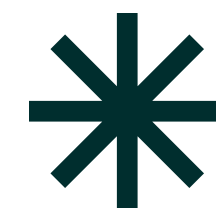
Transparency

Transparency can be approached in several ways.

For a company, demonstrating transparency involves, among other things, having a clear and accessible data collection and use policy that includes various consent options.

For individuals, demonstrating transparency means being honest and disclosing their use of AI.

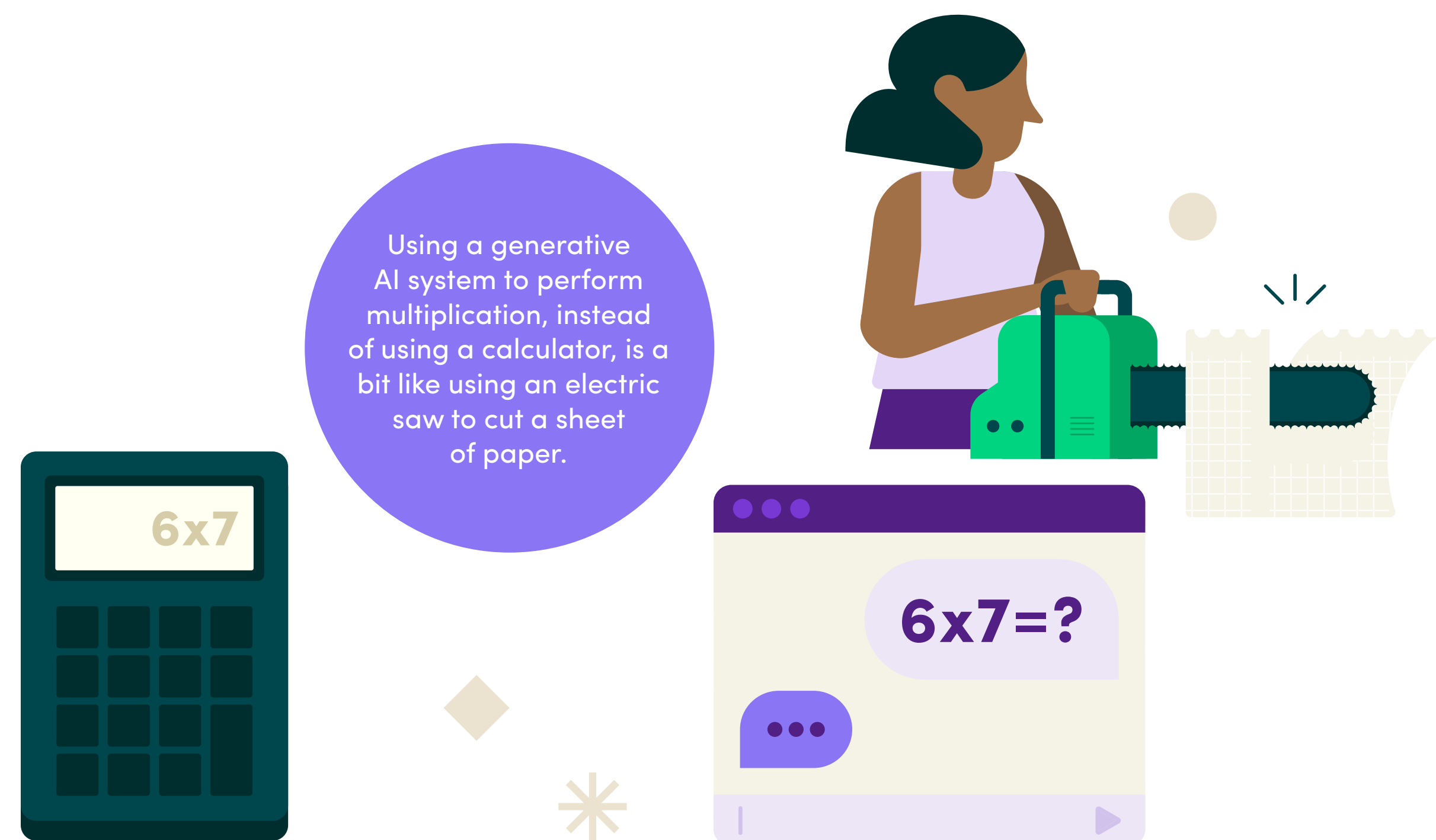
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Understanding these positions helps support the transparent and responsible use of AI or ensure compliance with a ban on its use.
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Environmental Impact

AI systems are powerful, energy-intensive technologies, and their environmental impact is significant.

Using them for simple tasks can represent an excessive use of resources.



The data centres that host the big data needed for AI consume enormous amounts of energy and resources.

If this trend continues, it could increase by another **35%** over the next four years.

Between 2019 and 2024, their global electricity consumption surged by

13%



Such rapid growth is worrying and difficult to sustain, especially in countries where electricity comes mainly from polluting sources, like the United States or China.