S14.3   Using generative AI to improve texts and to study

By using it cleverly, you can use generative AI to support your learning and improve your writing. But remember that AI is **trained on big sets of data** and works with statistical probabilities to create answers. It cannot differentiate between correct or false statements, so its **output may contain mistakes, be biased** or **outdated**. That's why you always have to critically review the results: **double-check the facts** with other sources, decide if the **content is valid** and **logical** or if there are **inaccurate** or **misleading aspects**. Also **document in your sources** when you have used AI to create a (part of your) project. Authorship of AI output is still being debated, so artists / authors might be able to claim rights if their work has been used to train the AI.

What AI can do

Task	Examples
Researching / Creating ideas	• Let a chatbot gather arguments for writing tasks / presentations. • Ask for examples / details to support your arguments. • Prompt it to improve your own ideas / arguments. • Generate ideas for a storyline, characters, or settings for creative writing tasks. • Let AI write a complete story / (argumentative) essay / … based on your input.
Structuring ideas	AI chatbots can prepare a structured outline for your topic.
Language and style	• Some AI tools can proofread your writing and make suggestions to improve your grammar and spelling, use of words and writing style. • Ask AI to write or modify a text for a certain style, e.g.: *(Re-)Write this text in the style of Shakespeare / in an informal style / as a formal invitation.*
AI as a learning partner	AI can help you study as well. For example, try this: • Do a role play with a chatbot to test your arguments before debates. • Prompt AI to break down complex tasks into smaller steps. • Ask it to identify weak or missing points in your texts / presentations.
Other output	AI can also manipulate visuals (e.g. create / change images or videos, add filters), produce music, answer questions and have conversations – and new opportunities are still being discovered.

Creating prompts

The task you give a generative AI tool is called a prompt. Prompts need to be very specific and clear for the AI to produce exactly what you want it to. Consider these tips:
• Be specific: Describe details of topics, the style and setting, mood, characters, length etc.
• Use "do" and "don't" to include / exclude aspects.
• Use examples of or reference other artwork (i.e. "in the style of")
• Modify your previous prompts until you get the outcome you want.

Example:
First draft: *Write a comment arguing that attending college should be free for everyone.*
Improved prompt: *Write a 300-word comment arguing that attending college should be free for everyone. Use complex grammatical structures and formal vocabulary, don't use short forms. Include one con argument and two stronger pro arguments. Support the arguments with concrete examples. Conclude that attending universities should be free for all to ensure equal chances at higher education.*