
THRIVING THROUGH EFFORT: LEARNING IN THE AGE OF GENERATIVE AI

AKA: "WRESTLING WITH THE MACHINE"





FORSVARETS SPROGSKOLE

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OPPORTUNITIES AND CHALLENGES

1. Is learning a language easier with ChatGPT?
2. What characterizes a good language learning activity, and can ChatGPT provide it?
3. AI literacy: the utopian perspective
4. Examples from my "language lab": wrestling with the machine
5. Critical AI literacy: the dystopian perspective

IS LEARNING EASIER WITH GENERATIVE AI?

From production mindset to learning mindset – chatGPT is a language production machine, a "chatsplainer"

CHATGPT POTENTIAL: PERSPECTIVES FROM LEARNING THEORY

Fruitful learning activities:

1. give agency to the learner (e.g., Ryan and Deci)
2. inspire playfulness (e.g., Oudeyer, Gottlibe and Lopes, neuro-science)
3. invite curiosity (E.g., Lamina and Chase, inquiry-based educational psychology)
4. provide feedback (Hattie and Timberley)
5. include a reflective phase (Dewey)
6. are tailored to the learner's level (e.g., Schmidt and Strasser)
7. contain scaffolded activities (as above)
8. are goal-oriented (as above)
9. develop meta-cognitive language learning skills (as above)

EXAMPLES FROM MY "LANGUAGE LAB"



Colour code

- Red:** Learner has lost control and learning activity no longer supports learning goals
- Yellow:** Danger signs that ChatGPT is going into “production” rather than “learning” mode
- Green:** On track for working towards the learning goal identified by the learner. Characteristics: the activity is tailored to the learning goal and the learner has agency. The learning goal is as specific or as broad as the learner finds productive

AI LITERACY



Critical thinking,
problem-solving skills,
inquiry-based
learning

Meta-cognitive
skills

Emotional intelligence

- Managing one's own resources
- Regulating one's own needs (self-control): "the marshmallow test"
- Self-awareness

CRITICAL AI LITERACY



The critical examination of GenAI requires an awareness of:

- Privacy concerns
- Amplification of biases
- Environmental impact
- Exploitation of workers
- Transparency

Louise
Jennings?



“Seriousness in playing is necessary to make the play wholly play”

Hans-Georg Gadamer, Truth and Method, p. 103