

AI as co-creator of education media resources

07/11 Media & Learning



Nice to meet you!

Quick introduction



Lizzy Bleumers

Lizzy Bleumers (Thomas More, BE) has been using **participatory design** and **user research** to inform the development and implementation of new technology applications in **media, entertainment and education** since 2008.

"Innovation starts by looking at how people use technology!"



Markus Tischner

Markus Tischner (FAU, GE) creates and teaches on producing educational and scientific media. And he always has an eye on how AI could optimize the media production cycle.

"Everything stays changing."

Meeting the models

Opening up to wonder

Let's try to read your mind.

ChatGPT

Nov 2022



CoPilot

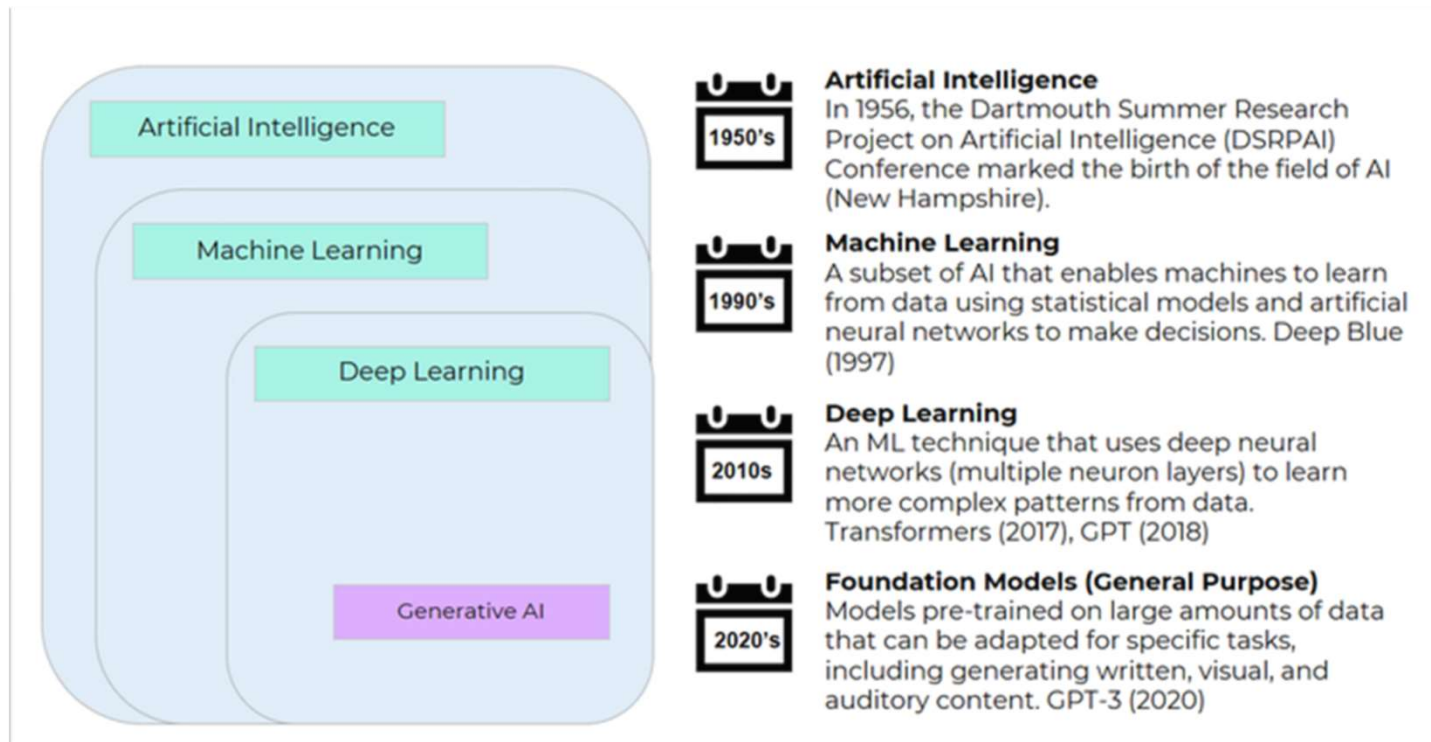
Feb 2023





Generative AI refers to

**AI models and tools that
can (enable us to) create
various content types**

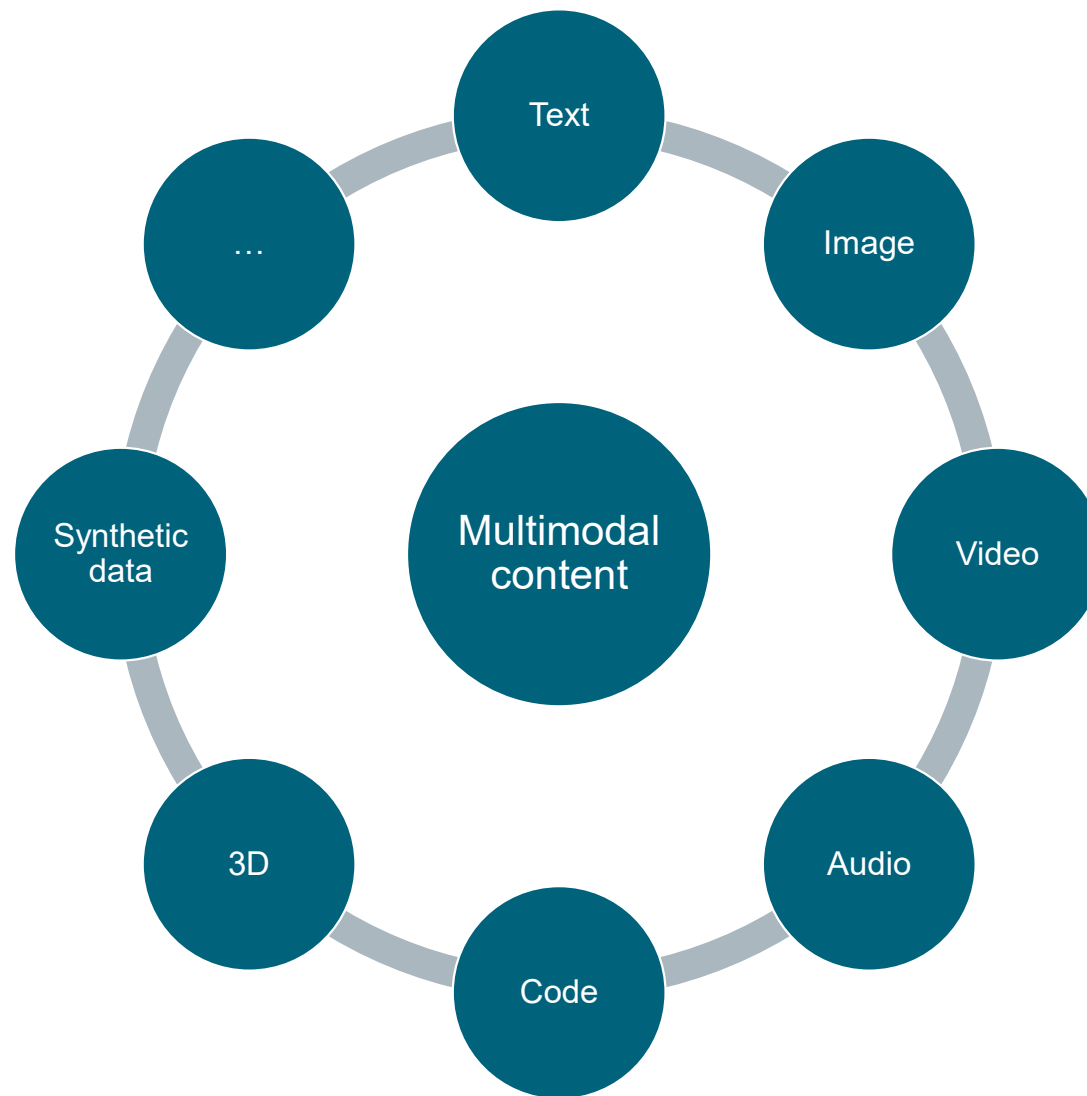


[Demystifying Generative AI](#)



Parrot

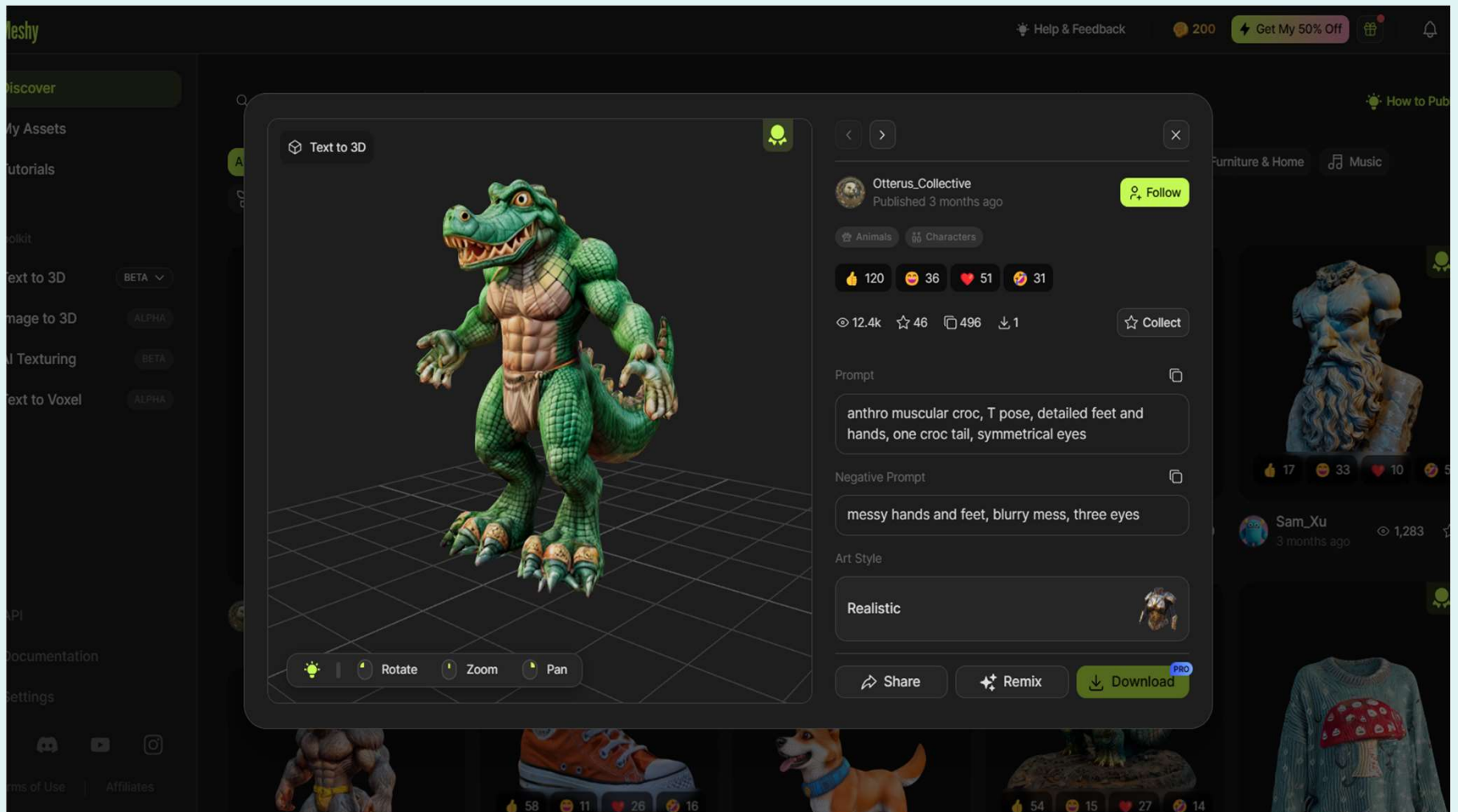
Mimic master?



Introducing
Act-One



RUNWAY GEN-3 ALPHA ACT-ONE



MESHY AI



GitHub Spark

What do you want to create?

Go!

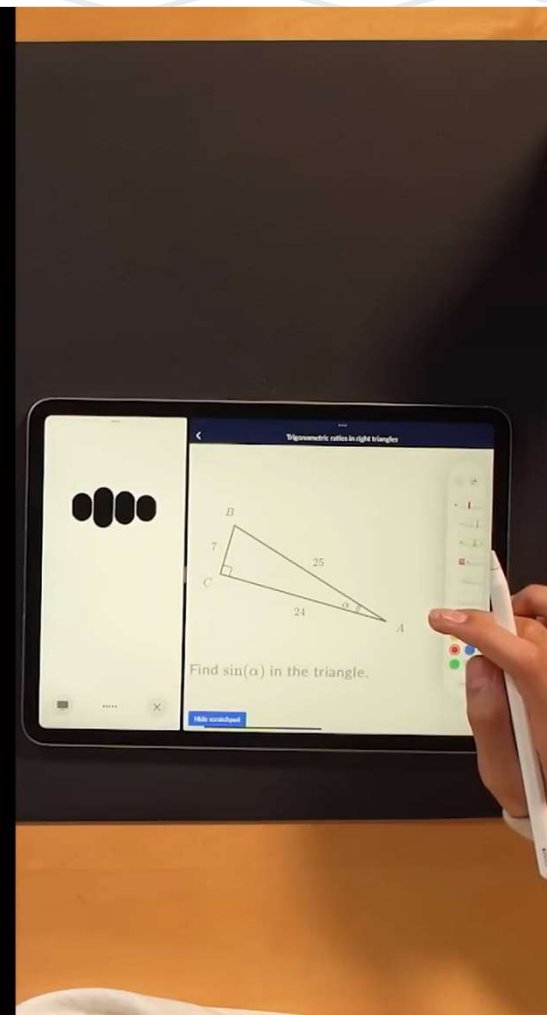


GITHUB SPARK

BREAK OUT



Dubbing in ElevenLabs



GPT-4o

AI is stepping in



Learning



Leisure



Cocreation



Wellbeing

No matter how we look at it

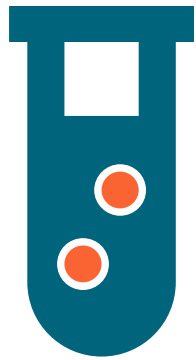
We simply cannot ignore it



Discovering the tools

Meeting the genie

Paths of discovery



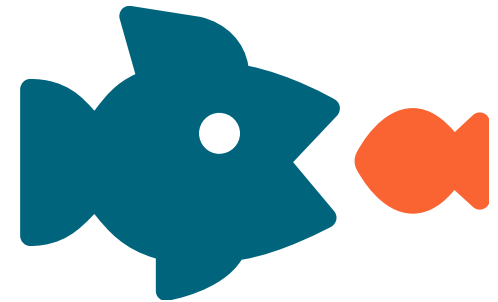
1. Experimental pioneers

Pioniers who try out new practices and experimental workflows



2. New players

New players who refine experimental workflows and bring them to market



3. Established actors

Commercial players who observe the market to step in at the right time

1. Experimental pioneers

Getting right to it

Sharing good practice

- Institutional Strategies
- Developing GenAI Literacies
- Curriculum Design
- Assessment

USING GENERATIVE AI EFFECTIVELY IN HIGHER EDUCATION

Sustainable and Ethical Practices for
Learning, Teaching and Assessment

Edited by
Sue Beckingham, Jenny Lawrence,
Stephen Powell and Peter Hartley



Aggregating & curating tools

- <https://www.futurepedia.io/>
- <https://theresanaiforthat.com/>
- <https://aiparabellum.com/>
- <https://aieducator.tools/>
- Curated Newsletter for AI in Higher education (in German):
<https://www.unidigital.news/>



7. November 2024

KI & Bildung

Künstliche Intelligenz in Lehre & Unterricht

About

KI-Leitfäden

Newsletter

KI-Kurse

Newsletter

Grundlage dieser Publikationen ist der **Newsletter KI & Bildung auf LinkedIn**, der mittels Blogbeitrag hier auf Unidigitalnews übertragen wird. Diesen könnt Ihr sehr gerne abonnieren. Beim Erscheinen einer neuen Ausgabe erhaltet Ihr ebenfalls eine E-Mail-Benachrichtigung.



KI + Bildung #65 | KI-Kollaborationskompetenz | Claude steuert Computer | Bilder über Voice Mode generieren | ChatGPT mit Suchfunktion | NotebookLlama

Veröffentlicht am 3. November 2024



KI und Bildung #64 | "Kaiber AI" ermöglicht neuen Workflow | IPPOLIS Write der FH Dortmund | NotebookLM im Sprachunterricht | KI Zentrum Schule in Heilbronn | Chemie-GPT

Veröffentlicht am 24. Oktober 2024

Aggregating & curating tools

- <https://www.futurepedia.io/>
- <https://theresanaiforthat.com/>
- <https://aiparabellum.com/>
- <https://aieducator.tools/>
- Curated Newsletter for AI in Higher education (in German):
<https://www.unidigital.news/>



7. November 2024

KI & Education

Artificial Intelligence in Teaching & Teaching

About

AI guides

Newsletter

AI courses

Newsletter

The basis for these publications is the , which is transferred to UnidigitalNews by means of a blog post here. You are welcome to subscribe to this. When you release a new issue, you will also receive an email notification.



AI + Education '65 | AI
Collaboration Competence |
Claude Controls Computer |
Generate Images via Voice Mode
| ChatGPT with Search Function |
NotebookLlama

Published on 3rd November 2024



AI and education '64 | "Kaiber AI"
enables new workflow | IPPOLIS
Write of the FH Dortmund |
NotebookLM in language lessons
| KI School in Heilbronn |
Chemistry-GPT

Published on 24. October 2024

Exchanging experiences

Community group providing

- Support on technology integration
- Resources
- Events



In a way, we are all
pushing the boundary.

BREAK OUT



Hum-to-music in Suno

Cocreation with ChatGPT

Digital Experience Design students were encouraged to develop their concept for a digital application together with ChatGPT.

The approach was based on a structured prompt framework called CHAI-DT: Collaborative Human-AI Design Thinking.

I adapted it to work in a cocreation setting where ChatGPT acts as a participant in the team

More on CHAI-DT: <https://arxiv.org/pdf/2305.03852>



BREAK OUT



Cocreation with chatGPT

2. Established actors

Testing the waters

Microsoft

Copilot for 365

- Text gen/summarization
- Meeting highlights
- Web and document grounding
- Summarizing and drafting mails
- Helping you find stuff ;)



Microsoft

Copilot for 365

- Text gen/summarization
- Meeting highlights
- Web and document grounding
- Summarizing and drafting mails
- Helping you find stuff ;)

Create

Create a presentation from [file]

Create

Create a presentation about [the benefits of meditating every day]

Understand

What are the dates or deadlines in this presentation?

Understand

Show key slides in this deck

Microsoft

Copilot for 365

- Text gen/summarization
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- Helping you find stuff ;)



Microsoft

Copilot for 365

- Text gen/summarization
- Meeting highlights
- Web and document grounding
- Summarizing and drafting mails
- Helping you find stuff ;)

Can you generate a silhouette of a cat?

Sure! Here is a silhouette of a cat:

```
/\_/\
( o.o )
> ^ <
```

I hope you like it! Let me know if you need anything else.

 Copy

How can I generate images using Bing?

Tell me more about generating AI images using Windows Copilot



Google

NotebookLM

- Query learning material
- Organize your thoughts
- Generate idea's
- Listen to audio overview

Science in motion

Add note

* Notebook guide

Help me create

Table of contents Study guide FAQ
Briefing doc Timeline

Summary

These sources provide a comprehensive exploration of the **fundamental principles of physics**, spanning classical mechanics, quantum mechanics, and relativity. The sources analyze forces like gravity, friction, and magnetism, using real-world examples to demonstrate their influence on motion. **Newton's Laws** of Motion are explored, clarifying concepts such as inertia, action-reaction pairs, and the interplay between force, mass, and acceleration. Momentum's relationship with mass and velocity is also examined in the sources. Additionally, the sources illustrate how **simple machines**, like levers and ramps, facilitate work.

Audio Overview

Science in Motion

1:41 / 3:01

Help me understand

How do Newton's three laws of motion explain how objects move and interact?

What are the different types of forces, and how do they interact with objects?

What is the relationship between speed, acceleration, and momentum?

View chat

12 sources | Start typing...



BREAK OUT



Text to podcast in Notebook LM

Canva

Magic Studio

- Switching content types
- Smart resizing
- Image generation and editing
- Writing on brand
- ...

Hello



Grab Text



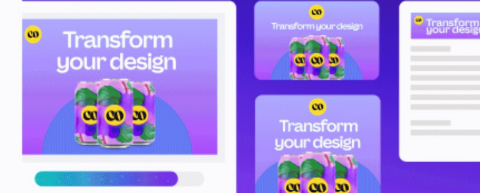
Background Remover



Text to image



Magic Switch



Flourish
charts and
graphs

Magic
Design™



Adobe

Firefly in Adobe Premiere (beta)

- Generative b-roll
- Filling gaps ('generative extend')
- Visual effects
- Object additions/removal
- Content credentials



BREAK OUT



Workflow optimisation in Adobe Premiere

Example case: ACCO

Educational publisher offers the option to summarize e-books

- Summaries in different languages
- Different formats: bullets/text
- Instruction for contextualisation
- Fair & safe use
- Multiple-choice feature

LEERWINST MET DE AI-SAMENVATTINGSTOOL

Samenvattingen maken helpt om de leerstof te verwerken. Daarom is een eigen samenvatting maken belangrijk. Toch heb je soms een helpende hand nodig. De AI-samenvattingstool ondersteunt je op meerdere manieren:



Personalisatie

Had je in de les moeite met begrip X of Y? Dan kan de AI-samenvattingstool in zijn samenvatting meer aandacht besteden aan die begrippen. Of onthoud je beter als definities in rijmvorm staan? AI zet de definities vlot om.



Maak de vergelijking

Samenvattingen vergelijken met andere samenvattingen, helpt vaak om een nieuwe blik op de leerstof te werpen. Misschien ben je zelf wel iets vergeten samenvatten? AI maakt snel een volledige en correcte samenvatting om te vergelijken.



Controle

Alles goed begrepen? De AI-samenvattingstool stelt moeiteloos enkele multiple choice vragen op, gebaseerd op de leerstof. Je weet meteen welke onderwerpen extra herhaling nodig hebben of welke onderwerpen je beter onder de knie hebt.



Tijdsinstaat

In een ideale situatie heb je tijd om zelf een samenvatting te maken. Maar in de realiteit lijden veel studenten onder tijdsdruk. Dan helpt een AI gegenereerde samenvatting je om de belangrijkste leerstof toch nog te leren voor het examen.

3. New players

Laying the groundwork

BREAK OUT



Curating content & video scripting in MaekerSuite

Fliki Text to Video



BREAK OUT



Text to video: No one click wonders



UNIBUDDY

BREAK OUT



Talking avatars in Heygen

Sparkwise

Automates live group learning

- Guides conversations
- Prompts reflection
- Offers a topic library
- Generates learning programs

YOUR SPARKWISE LEARNING PROGRAM

AI-Enhanced Educational Content Creation & Communication

[Book a consultation](#)

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[See pricing](#)

Overview

A comprehensive program integrating generative AI capabilities with effective communication and creative problem-solving for educational content development.

Featured themes

Gen AI Fundamentals

Communicate with Impact

Solve Problems Creatively

Program Map

Click to view details on each session



GEN AI FUNDAMENTALS

Introduction to Generative AI at Work



Why does this matter?

As teaching staff begin to explore AI tools for educational content creation, understanding the fundamentals of generative AI is crucial for effective and responsible implementation in course material development.

Learning Objective

- ✓ Understand the basics of generative AI and practice foundational prompting techniques

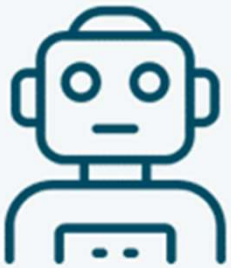
What participants will do together

- ✓ Brief introduction to what generative AI is and how it works
- ✓ Evaluate recent studies and frameworks around the benefits of AI
- ✓ Review the 4 foundational techniques of good AI prompts
- ✓ Practice using an AI chatbot on a hypothetical scenario, applying the 4 techniques throughout

Modes of empowerment

Expressing your wishes

Which question are you asking?



Substitution

How might it **unburden** us by taking over certain tasks?



Adaptation

How might it **help** us while we engage in certain tasks?



Modification

How might we **address** a task differently with AI by our side?



Redefinition

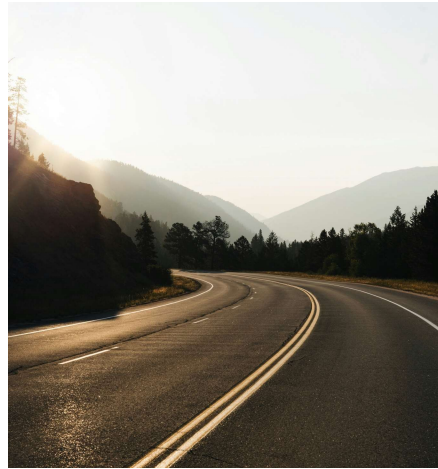
How might we **reconsider** the way we work?

Context matters



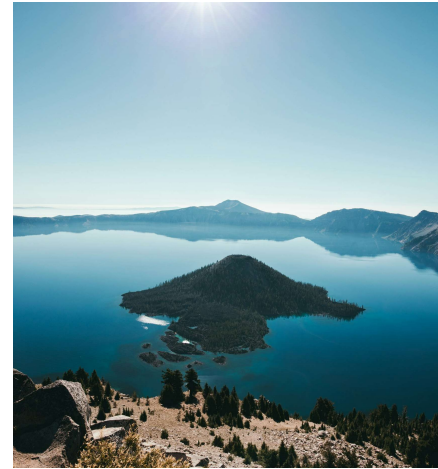
ACTORS

Who do you want to empower?



PROCESS

What is the current practice?



ENVIRONMENT

How is action situated?



COMPETENCES

Which competences do you have?

Thanks & let it grow

Contact:

Lizzy.Bleumers@thomasmore.be

markus.tischner@ili.fau.de



an exquisite kawaii painting of an orange and dark blue succulent in a flower pot with eyes in front view
- Generated and upscaled with Craiyon v4