Webinar

AI for student engagement and motivation

12 April | 16:00 CEST

Webinar offered by:
European School Education Platform

https://school-education.ec.europa.eu/en

eTwinning

Funded by the European Union

Erasmus+
Enriching lives, opening minds.

Webinar

AI for student engagement and motivation

12 April | 16:00 CEST

Simone Pfliegel
eTwinning and Erasmus+ ambassador for Bavaria/Germany

eTwinning

Funded by the European Union

Erasmus+
Enriching lives, opening minds.

Agenda
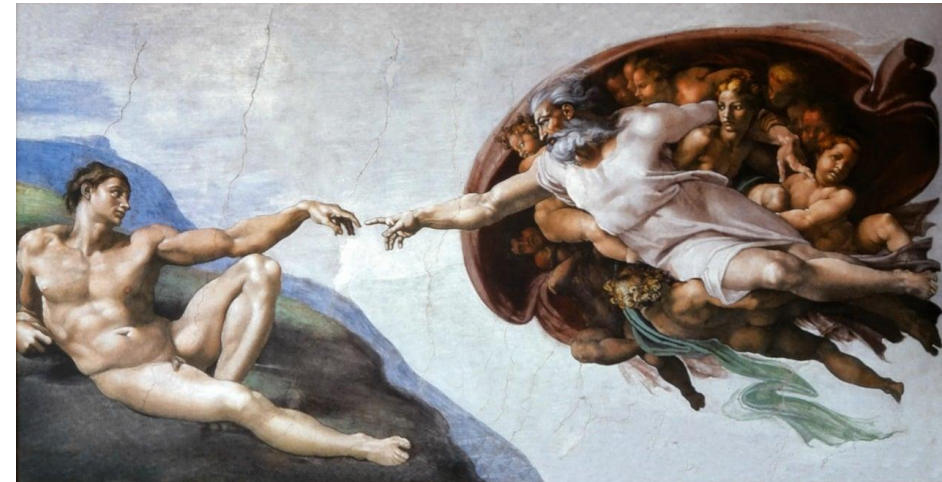
eTwinning Webinar on AI for Student Engagement and Motivation

⭐ 1. Introduction to AI in Education

⭐ 2. AI Tools Overview

⭐ 3. Engaging Students with AI in eTwinning – sample project ideas

⭐ 4. Practical Workshop on Effective Prompting using ChatGPT

⭐ 5. Participant Activity: Applying Knowledge

⭐ 6. Conclusion and Q&A – AI's Transformative Role in eTwinning

All images taken from www.pixabay.com

"**"A year spent in artificial intelligence is enough to make one believe in God."**

—Alan Perlis

1. Introduction to AI in Education

★ **<u>Brief overview of AI's role in</u>**

Enhancing personalized learning and interactivity →
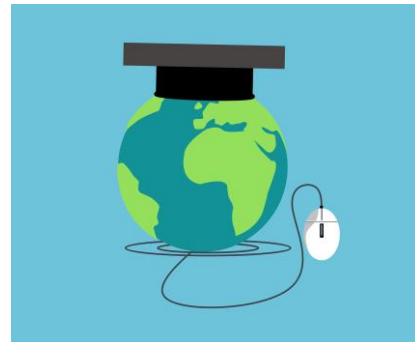
★ 1. AI chatbots provide instant responses to student inquiries, keeping learners engaged outside traditional classroom hours

★ 2. Virtual labs simulate science experiments, allowing students to learn through trial and error in a safe, AI-guided environment

★ **its ability to adapt to individual learning paces and styles** →

★ 1. Adaptive learning software adjusts the difficulty of math problems in real-time as students master concepts or need more practice

★ 2. AI algorithms curate reading lists that align with each student's preferred genres and reading levels to encourage consistent reading habits

★ **its possibility to be used for differentiated teaching for diverse learning needs** →

★ 1. For gifted students, AI introduces higher-level thinking questions and cross-disciplinary projects to stretch their abilities

★ 2. AI-powered platforms identify areas where students are struggling and provide additional resources, like remedial tutorials

2. AI Tools Overview

★ 1. **Adobe Express** with **Firefly** ([Adobe Firefly - Free Generative AI for creatives](#)) → tool for creating visuals and videos

★ Example: **Geography project** on cultural landscapes for ages 14-16, where students create digital posters of various countries' landmarks

★ Focus on collaboration by having students from different countries work together on the same digital poster, encouraging intercultural communication

★ 2. **Canva Classroom Magic** ([Teacher guides to using magic AI in the classroom (canva.com)](#)) → design tool for creating educational materials

★ Example: **Literature class** for ages 10-12, designing book covers and illustrating key scenes from their reading list

★ Students can share their book covers on an eTwinning platform, receiving feedback from peers across Europe

2. AI Tools Overview

⭐ 3. **Copy.ai (**[Future proof your business with GTM AI (copy.ai)](#) **)→** AI-powered writing tool for generating text-based content

⭐ Example: **History class** for ages 13-15, creating first-person narratives from historical figures' perspectives

⭐ Benefits of using AI to explore historical empathy and perspective-taking in narratives (e.g.: Voices from the Past: A Diary Entry by Cleopatra, From the Theatre: Shakespeare's Behind-the-Scenes, Scientific Revelations: Marie Curie's Laboratory Journal → possible across a wide range of subjects)

⭐ 4. **Grammarly** ([Grammarly: Free AI Writing Assistance](#)) → tool for improving writing through grammar and spelling corrections

⭐ Example: **Foreign language classes** for ages 16-19, refining essays and improving language skills

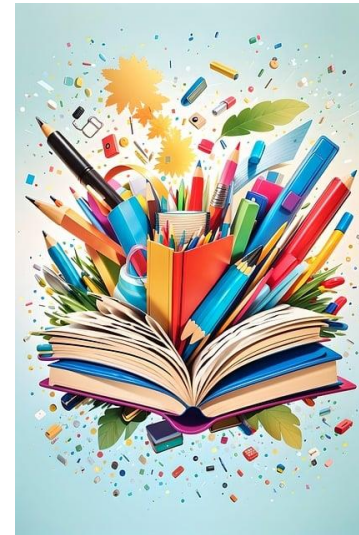⭐ Interesting: Tool's ability to support multilingual students in improving their secondary language skills

2. AI Tools Overview

★ 5. **Quizizz AI (**[Quizizz KI | Ihr persönlicher Lehrassistent](#))→ platform for creating personalized quizzes and learning games

★ <u>Example:</u> **Math quiz** on **algebra** for ages 14-16, automatically adjusting difficulty based on student responses

★ Encourage incorporating instant feedback features to facilitate immediate learning corrections and discussions

★ 6. **Brisk Teaching (**[Brisk Teaching - Free AI for Teachers](#)) → tool for creating dynamic assignments with real-time feedback

★ <u>Example:</u> **Science class** on environmental science for ages 15-17, students receive instant feedback on their submissions about climate change

★ Utilize the tool for project-based learning, where students can document their research process and receive ongoing feedback

Funded by
the European Union

2. AI Tools Overview

⭐ 7. **Curipod** ([Spark your students curiosity (curipod.com)](curipod.com))→ interactive presentation tool with embedded quizzes and polls

⭐ Example: **Music class** for ages 10-12, exploring different musical instruments through interactive slides and quizzes

⭐ Leverage the drawing tool for students to illustrate musical concepts or instruments they learn about

⭐ 8. **Eduaide.ai** ([Eduaide.Ai: Instruction by Design](#)) → AI assistant for lesson planning and generating educational content

⭐ Example: **Social Studies project** on the European Union for ages 13-15, generating engaging content on EU institutions

⭐ Use the eTwinning platform to create virtual debates on EU policies, fostering critical thinking and public speaking skills

3. Engaging Students with AI in eTwinning – sample project ideas

Sample project ideas

1

Adobe Express with Firefly

- "Historical Events Collage" where students create visual narratives of a chosen event

- Teams combine graphics and text to express the event's impact

2

Canva Classroom Magic

- "Cultural Folktales Illustrated" with each student illustrating a folktale from their country

- Shared online gallery for inter-school cultural exchange

3

Copy.ai

- **"Sci-Fi World Building" where students craft futuristic societies using AI-generated prompts**

- **Interactive storytelling sessions to present their world**

4

Grammarly

- "Time-Travel Correspondence" with students writing as historical figures and checking their writing with Grammarly

- Role-play that emphasizes linguistic accuracy and historical research

3. Engaging Students with AI in eTwinning – sample project ideas

Sample project ideas

1

Quizizz AI

- "Continental Math Quest" with math challenges based on European landmarks

- Adaptive difficulty and real-time leaderboards to encourage competitive learning

2

Brisk Teaching

- "Sustainable Cities Project" where students propose eco-friendly urban designs and receive AI feedback

- Iterative design process guided by real-time AI analysis

3

Curipod

- "Orchestra Explorer" with students creating multimedia presentations on various musical instruments

- Quizzes and polls embedded in presentations for interactive learning

4

Eduaide.ai

- "Debate the Decades" where students argue on historical decisions using AI-researched content

- Students take on roles from different eras for a lively debate on key historical turning points
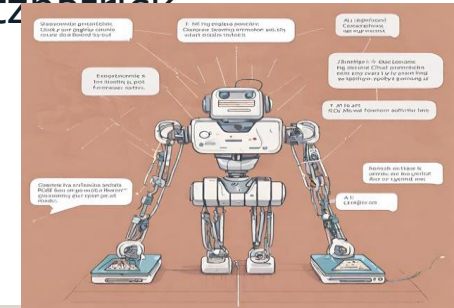
4. Practical Workshop on Effective Prompting using ChatGPT

★ **Foundations of effective prompting:**

★ <u>Definition PROMPTING</u> = Targeted questions to ChatGPT to obtain specific information → the KEY component for effective use of AI in education

★ For effective prompting and achieving good results → easy method by Dan Fitzpatrick (The AI Educator) →

★ **PREP Method:** PREP = acronym for

★ **P**rompt: Introduce the question with a prompt

★ **R**ole: Give it a role or a voice

★ **E**xplicit: Be explicit in your instructions

★ **P**arameters: Set the parameters of the answer

4. Practical Workshop on Effective Prompting using ChatGPT

PREP Method by Dan Fitzpatrick – general overview

1 **P**rompt: Introduce the question with a prompt

2 **R**ole: Give it a role or a voice

3 **E**xplicit: Be explicit in your instructions

4 **P**arameters: Set the parameters of the answer

4. Practical Workshop on Effective Prompting using ChatGPT

PREP Method by Dan Fitzpatrick

– prompts to use for the tools and projects already presented

Adobe Express with Firefly

1

- **Prompt**: "Design a poster that captures the essence of the Renaissance period."
- **Role**: You are a digital artist tasked with blending historical elements with modern design techniques
- **Explicit**: Include at least three key figures or symbols from the Renaissance period in your design
- **Parameters**: The poster should be visually engaging and educational, suitable for a classroom setting

Canva Classroom Magic

2

- **Prompt**: "Create an illustrated page for a collective storybook about European myths."
- **Role**: You are a storyteller and illustrator bringing a local myth to life
- **Explicit**: Illustrate the main event of the myth with a clear narrative in the artwork
- **Parameters**: The illustration should be accompanied by a brief text that sets the scene or explains the myth

Copy.ai

3

- **Prompt**: "Compose a short story set in a futuristic European Union."
- **Role**: You are a science fiction writer imagining the future of international cooperation
- **Explicit**: Weave elements of current EU policies into your futuristic narrative
- **Parameters**: The story should be optimistic, contain one to two EU policies, and be suitable for readers ages 13-15

Grammarly

4

- **Prompt**: "Write a letter to a pen pal describing a traditional holiday in your country."
- **Role**: You are an ambassador sharing cultural practices with a foreign friend
- **Explicit**: Use descriptive language to convey the sights, sounds, and feelings of the holiday
- **Parameters**: The letter should be grammatically correct, use vivid imagery, and include a personal anecdote

4. Practical Workshop on Effective Prompting using ChatGPT

PREP Method by Dan Fitzpatrick

– prompts to use for the tools and projects already presented

1

Quizizz AI

- **Prompt**: "Develop a quiz that tests knowledge about the geography of European rivers."

- **Role**: You are a geography teacher creating an educational tool for students across Europe

- **Explicit**: Include questions that cover the location, historical significance, and ecological importance of the rivers

- **Parameters**: The quiz should have varying levels of difficulty and provide instant feedback for correct and incorrect answers

2

Brisk Teaching

- **Prompt**: "Draft a project plan for a sustainable urban community."

- **Role**: You are an urban planner proposing a green solution for city living

- **Explicit**: Outline energy sources, waste management, and community green spaces

- **Parameters**: The plan should include diagrams and explanations, suitable for a presentation to the city council

3

Curipod

- **Prompt**: "Design an interactive presentation on the evolution of classical music."

- **Role**: You are a music historian guiding students through musical periods

- **Explicit**: Highlight key composers and styles, and use the drawing tool for musical notation examples

- **Parameters**: Presentation should include interactive quizzes after each section to reinforce learning

4

Eduaide.ai

- **Prompt**: "Prepare materials for a debate on renewable energy policies in Europe."

- **Role**: You are a policy analyst leading a discussion on energy sustainability

- **Explicit**: Present arguments for and against current renewable energy policies

- **Parameters**: Include facts, statistics, and case studies from at least two European countries

5. Participant Activity: Applying Knowledge

Your turn to get active! (10 Minutes)

Choose a **rubric** and work on the respective rubric on Padlet (https://padlet.com/simonepfliegel/etwinning-webinar-ai-for-student-motivation-and-engagement-a-irnqcorx2x68) with other group members.

Try to be as concrete as possible with **project ideas** and leave your **contact details** for other eTwinning members to be in touch for joint projects.

1
- **Languages**

3
- **STEM subjects (Biology, Maths, Chemistry ...)**

2
- **Social sciences I (Religious Education, Philosophy ...)**

4
- **Social Sciences II (History, Economics, Political Science, Sociology ...)**

6. Conclusion and Q&A – AI's Transformative Role in eTwinning

⭐ **Recap of AI in eTwinning projects:**

- AI enhances personalized learning paths and student engagement in diverse eTwinning projects.

→ today's examples showcased how AI tools create interactive, culturally rich educational experiences
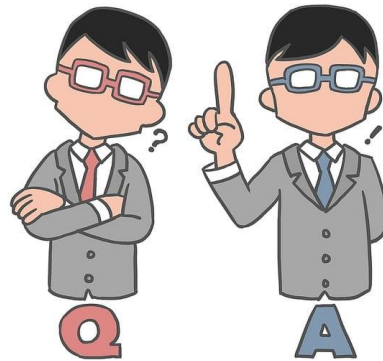

⭐ **AI as an Educational Ally:**

- AI should not merely as a tool but as an educator's ally, providing insights and augmenting teaching

- AI's potential in eTwinning spans from creating prompts to facilitating language practice and intercultural dialogue

6. Conclusion and Q&A – AI's Transformative Role in eTwinning

★ **Envisioning the Future with AI in Education**:

- In the future, eTwinning projects may be enriched by AI, fostering critical thinking and problem-solving
- → upcoming AI advancements promise even more dynamic eTwinning collaborations and learning opportunities

★ **Invitation for Q&A and Discussions:**

Thank you!

Simone Pfliegel,

simonepfliegel@yahoo.com

eTwinning

Funded by
the European Union

Upcoming Professional Development Offer

Courses:
★ Unlocking the power of teachers' digital competence: "Harnessing digital resources for effective teaching" | European School Education Platform (europa.eu)
★ AI in curriculum development: Teacher educators reshaping learning | European School Education Platform (europa.eu)
★ How to remain resilient in a demanding school environment | European School Education Platform (europa.eu)

Webinars:

★ European Commission's webinar series on Artificial intelligence for teacher professional development | European School Education Platform (europa.eu)

★ European Commission's Webinar on AI in educational leadership: Empowering educational leadership through AI | European School Education Platform (europa.eu)

eTwinning

This webinar was offered by: European School Education Platform

https://school-education.ec.europa.eu/en/etwinning