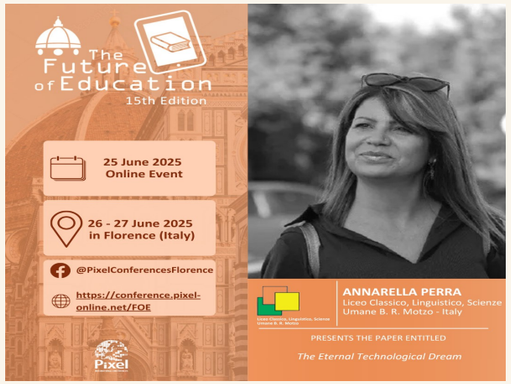
International Conference
The Future of Education
Edition 15

The Eternal Technological Dream

Exploring the origins and the connections
of the technology underlying Artificial Intelligence
from the artificial and fantastic creatures of Greek myth
to the current myth of Artificial Intelligence (AI)



Annarella Perra

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Project Overview

1 Explore Greek Myths

Examine at least 2 Greek myths featuring "artificial" figures like Talos and Pandora

2 Apply AI Tools

Use generative AI to create profiles, images, and videos of mythical figures

3 Develop Collaborative Wall

Collaboratively build a Padlet tracking the project's stages

4 Complete Eduescape

Participate in team problem solving activity with microdebate

Context

Target Audience

Fourth year high school students

Subject Integration

Combines Greek literature with civic education and digital citizenship

Time Frame

5 hours total activity

Approach

Active Learning, Flipped learning etc.

Assessment

PanQuiz and team eduescape

Documentation

Complete project documented in a Padlet online

Learning Environment

Technological ClasSroom

Collaborative Methodology

Blended Approach

In-class activities have been combined with preparatory homework and flipped learning materials

Educational Sequence on AI and Greek Myths

Explore Greek Myths

Students delve into myths of artificial figures and creators

Explore AI Tools

Students learn to use generative AI tools

Create Textual Profiles

Students develop profiles of mythical figures

Create Images and Videos

Students produce visual content related to myths

Create Dialogues

Students write dialogues between creators and creatures

Conduct General Test

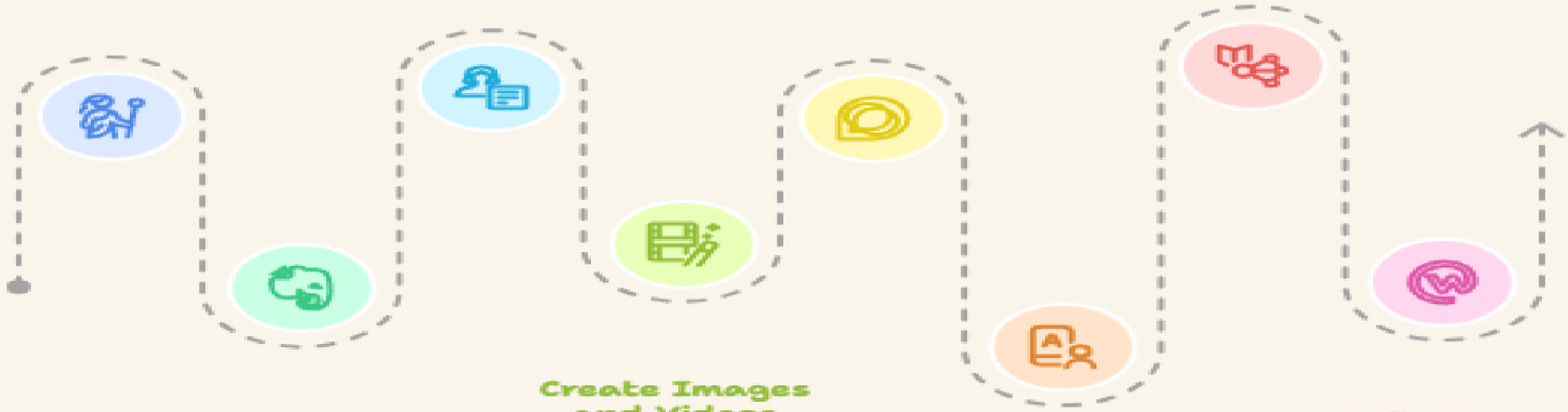
Students take a multiple-choice test

Participate in Eduscape

Students engage in a timed escape room activity

Reflect on Work

Students share their thoughts and insights



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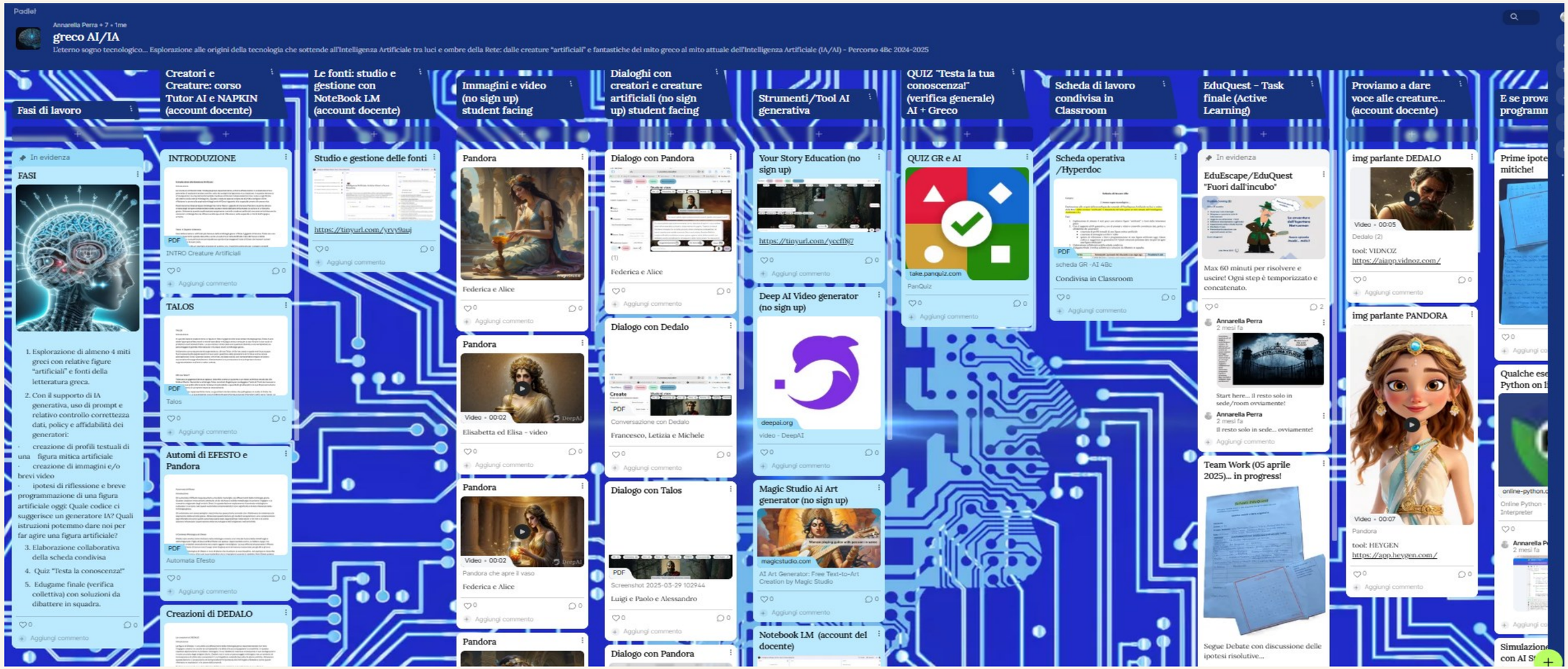
PADLET *The Eternal Technological Dream*

https://tinyurl.com/y3a66usp



Integration of AI

1

Mythological Figures

Give consistency to ancient characters

2

Interactive Dialogue

Converse with AI-generated entities

3

Critical Analysis

Understand AI capabilities and limitations

AI Integration Activities

Text Generation

Students will create profiles of mythical artificial beings, analyze the the accuracy of AI-generated content content against historical sources. sources.

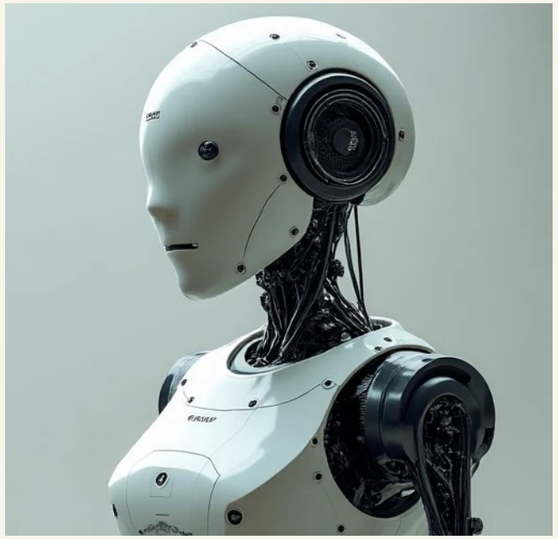
Visual Creation

Students generate images and short videos depicting figures, compare AI interpretations with traditional artistic representations.

Code Exploration

Students examine what code an AI generator suggests for creating entities, develop instructions that would guide artificial figure's actions.

Ancient AI Parallels



Hephaestus (creator)

Divine craftsman who created autonomous beings

Talos

Bronze automaton guardian of Crete programmed for specific specific tasks, created by by Hephaestus

Pandora

Artificial woman with predetermined behaviour, first human woman crafted crafted by gods

Daedalus (creator)

Human craftsman
(e.g. wax wings and labyrinth)

Educational Goals Pyramid

Critical Thinking

Developing analytical and evaluative skills

AI Awareness

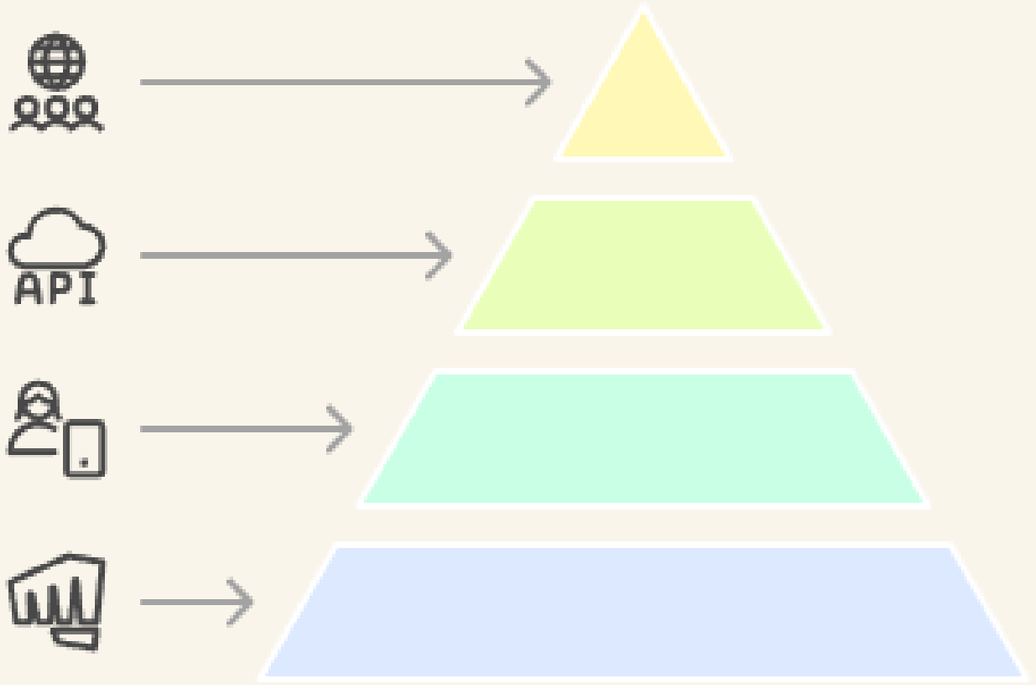
Critical engagement with artificial intelligence

Digital Citizenship

Understanding technology's societal role

Greek Myths

Foundation of ancient narratives



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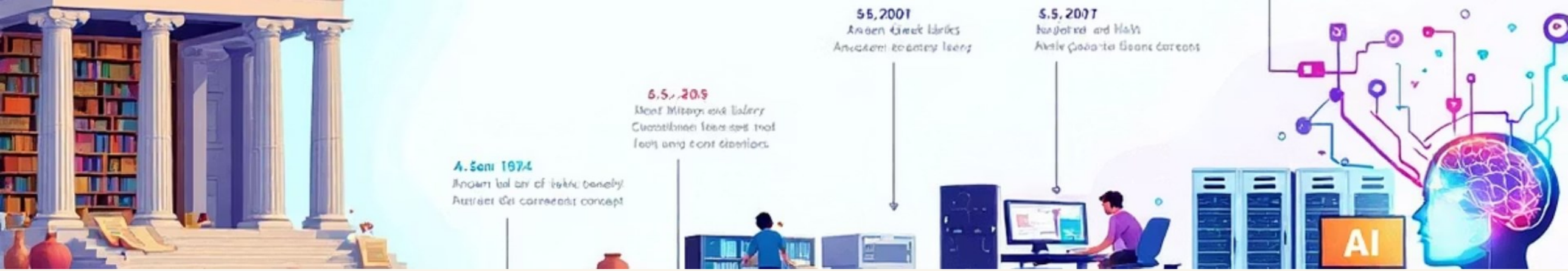


Timeline

Preparation

Students review teacher-prepared materials materials and flipped lesson at home 1 hour hour

Exploration

1 hour of collaborative in-class work exploring myths and AI connections.

Creation

2 hours development of collaborative hyperdoc documenting findings and reflections.

Final task

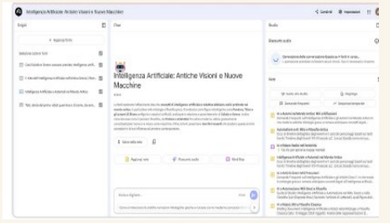
1 hour for Edugame and team debate.

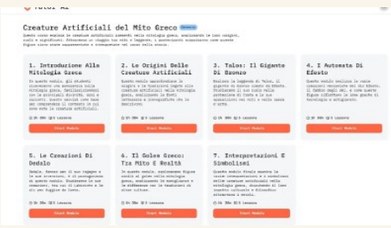
Activity Structure

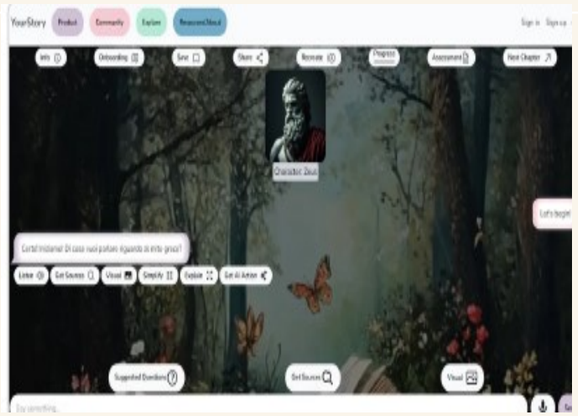
Activity	Actors	Resources
All study resources	Teacher	Shared classroom classroom script
Padlet wall	Teacher and students	Documentation platform
Myth exploration	Student groups	Greek literature sources
AI content creation	Student groups	Generative AI tools
Assessment	All participants	PanQuiz and Eduescape

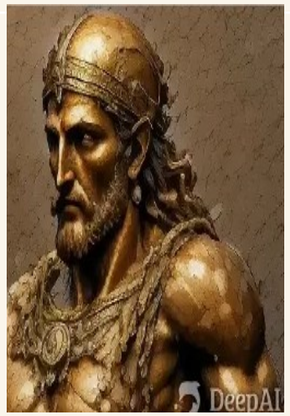
AI Tools

Course materials	AI Studio Google Napkin NotebookLM Tutor AI
Image generator Interview generator Video generator	Magic Studio Your Story Deep AI video HeyGen Vidnoz
Quiz maker	PanQuiz
Code editor	Python









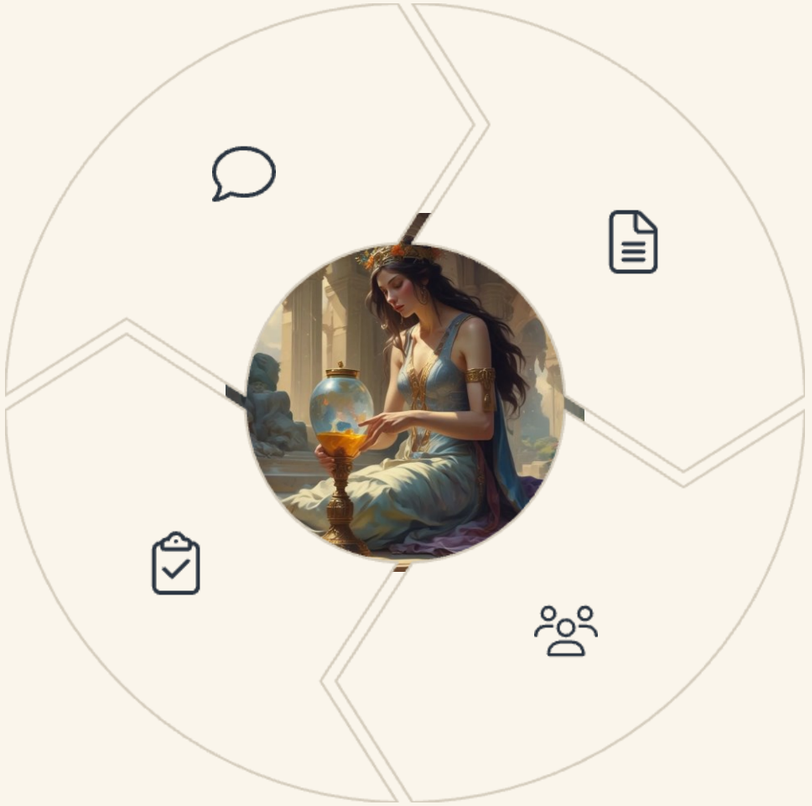
Assessments

Formative Monitoring

Constant teacher guidance and general test

Collaborative Works

Evaluation of group-created documentation



Self-Assessment

Working groups reflection

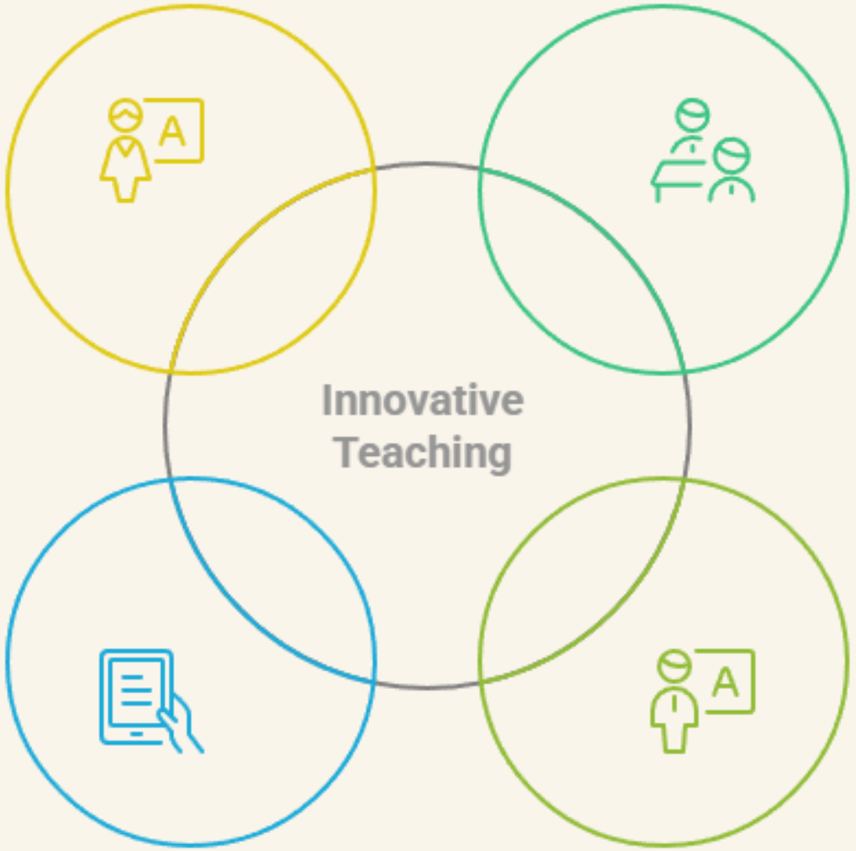
Eduescape - Team Debate

Final task

Educational Framework

Holistic Evaluation

Integrates cultural, civic, and digital aspects for comprehensive assessment.



Active Involvement

Encourages student participation through gamification and diverse methodologies.

Technology Integration

Utilizes technology to enhance teaching and learning experiences.

Methodologies

Employs tested and satisfactory teaching methods for effective learning.

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Teaching Methodologies

Collaborative and Active Learning

Students work together to explore concepts and create content.

Problem Solving

Tackling challenges through critical thinking.

Gamification

Learning through play and competitive elements.

Flipped Learning

Students explore content before classroom discussion.

Debate

Structured discussion of ideas and concepts.

Project Outcomes

Student Engagement

The class showed high levels of interest and involvement throughout the project.

Knowledge Acquisition

Students successfully responded to all stimuli, including the the PanQuiz assessment.

Critical Reflection

Participants thoughtfully considered AI's potential, advantages, and limitations.

Problem Solving

Particular enthusiasm emerged during the Eduescape Eduescape and final microdebate phases.

Escaping the Mythical Nightmare

Technological Dream

Limitless creation of AI

Exploring Fantastic Creatures

Learning about mythical automatons

Documenting the Work

Sharing knowledge on Padlet board

Exploiting Acquired Competences

Escaping the AI nightmare

Problem Solving (8)
Teamwork – EduEscape
(1 hour)

- Observe all the details
- Map and associate all information
- Read texts carefully
- Think carefully about clues
- Argue in the provided sheet
- Resolve the case
- Present the solution with ad hoc arguments

The adventures of the Inspector Notrueman

New episode

Mythical.... nightmare!

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Eduescape Success Metrics

Collaboration

Students effectively collaborated in the eduescape challenge.

Knowledge

Students excelled in quiz, demonstrating strong knowledge base.

Active Learning

Students actively engaged in the eduescape, applying skills.

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Journey to AI Mastery

1 AI Interaction

Students engage with AI tools and processes, becoming active participants in their learning.

2 Creativity Boost

Teachers encourage creativity through group work and innovative projects.

3 Critical Thinking

Students develop critical thinking skills by managing information and interacting with AI.

4 Team Synergy

Diverse learning styles and intelligences collaborate to solve problems effectively.

5 Technological Progress

The educational experience contributes to humanity's technological advancement.

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Conclusions

Student Engagement

High appreciation and active participation

Skill Development

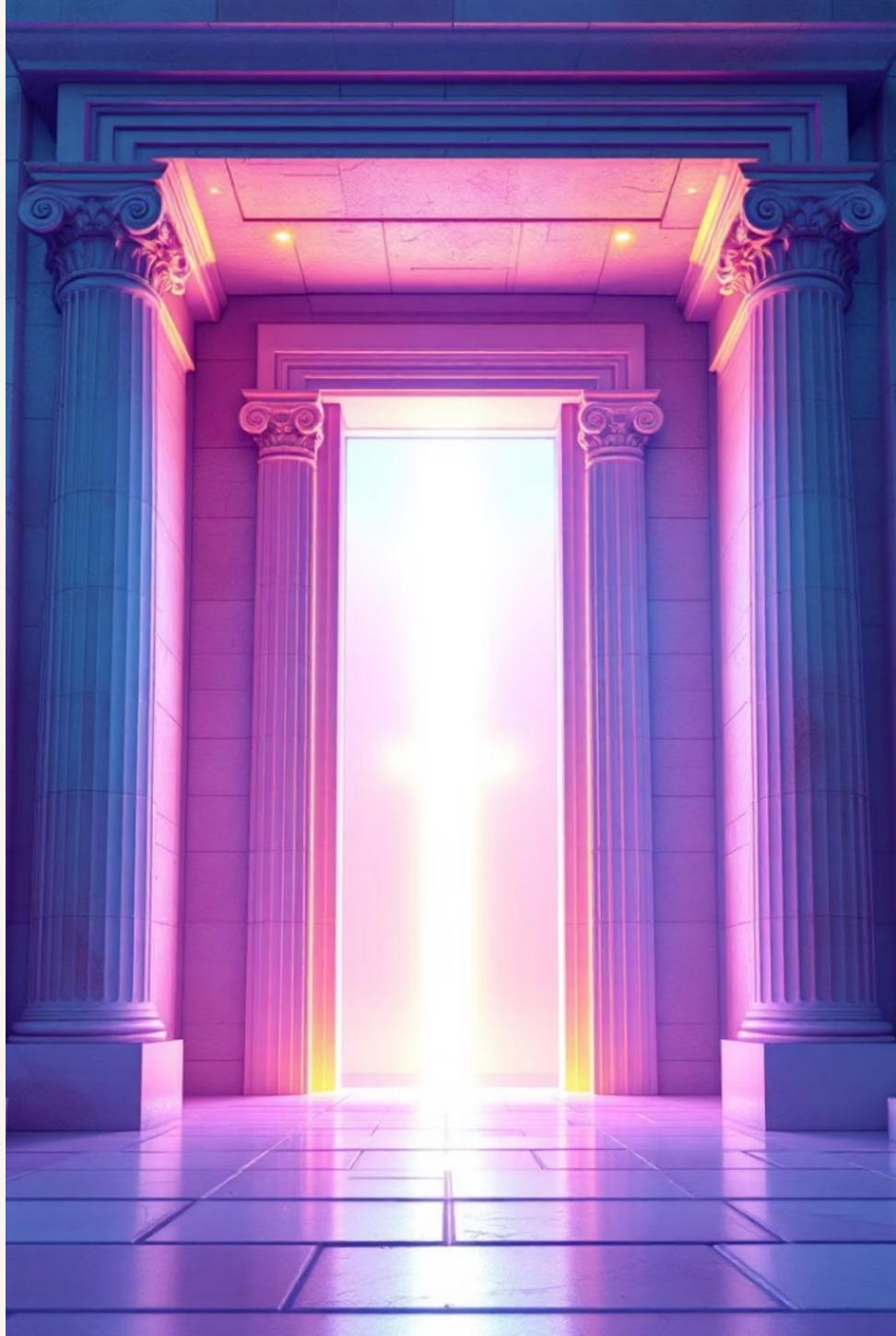
Enhanced creativity and critical thinking

Team Synergy

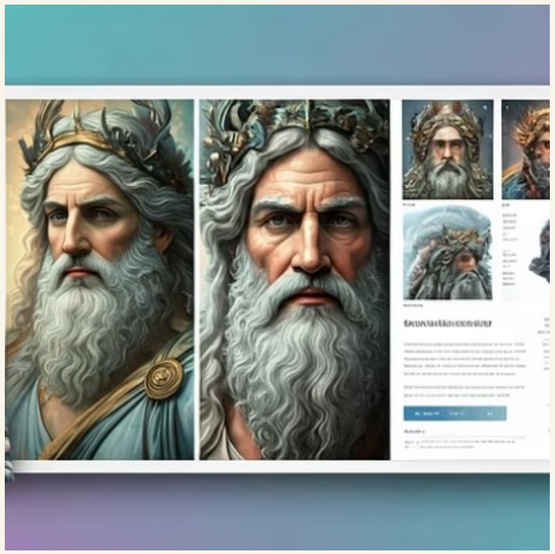
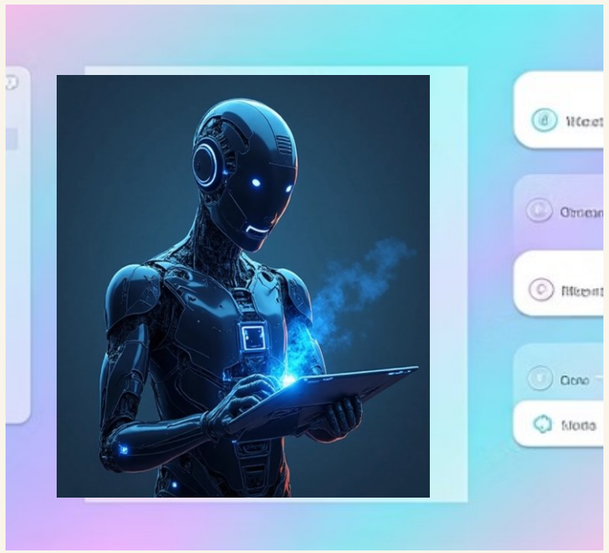
Different learning styles working harmoniously

Future Hope

Technology contributing to progress, not nightmares



Resources

Greek literature textbooks, STEAM materials and various webapps linked in paper biblio-sitografy.

Thank You!

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