Module 1

Are University Degree Programmes in danger?
Are schools in danger?

## People run away and try to escape from

- Fires
- Floods
- Extreme temperatures
- Gangs and terrorist attacks
- Invasions / wars
- Pandemics
- Hunger
- Jobless societies
- Illegal immigrants and Ghetto
- Non-democratic and arrogance by governance

Humans build and humans destroy

All these problems can be improved or avoided with better education, more democracy and ethos, improved logical and critical thinking, better competences and skills, better economies and social welfare.

Heraclitus of Efesos, 544-484 BC

The Greek Philosopher said "τα πάντα ρει" (ta panta ri) meaning "everything changes in nature" and explained this with the statement that we cannot enter the same river twice.
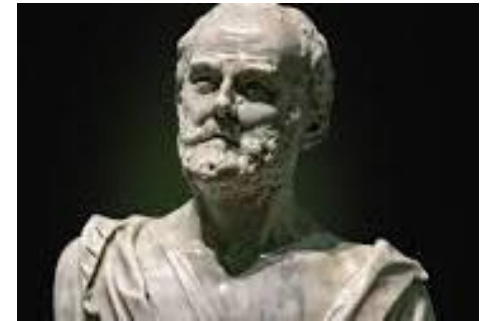
1924

2024

4

What about university programmes?

- **Mathematics**
- **Physics**
- **Chemistry**
- **Biology**
- **Geography**
- **Mechanical Engineering**
- **Civil Engineering**
- **……..**

We are still producing SINGLE Science professionals!!!

BUT we all know that to develop an innovation worth investing you need two or more sciences, engineering, technology etc.

Surveys of Employers for the last 20 years are indicating the preference of employers when they evaluate new applicants for jobs…

- RANK 3 : Knowledge

- RANK 2: Competence and Skills

- RANK 1: ?

Communication ranks 1

Are universities getting the message?

Research and Experimentation is suggesting the following for improving competences and skills

- Problem based learning
- Inquiry and Research based learning
- Project based learning
- Relate knowledge to real life
- Cooperation/Peer learning
- Blended Learning
- Internships
- Flip-classroom
- Communication

Digital Learning in parallel

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question

- **<u>What do you want to see in a future school/university that you do not see today</u>?**

What do you want to see in a future school that you do not see today?

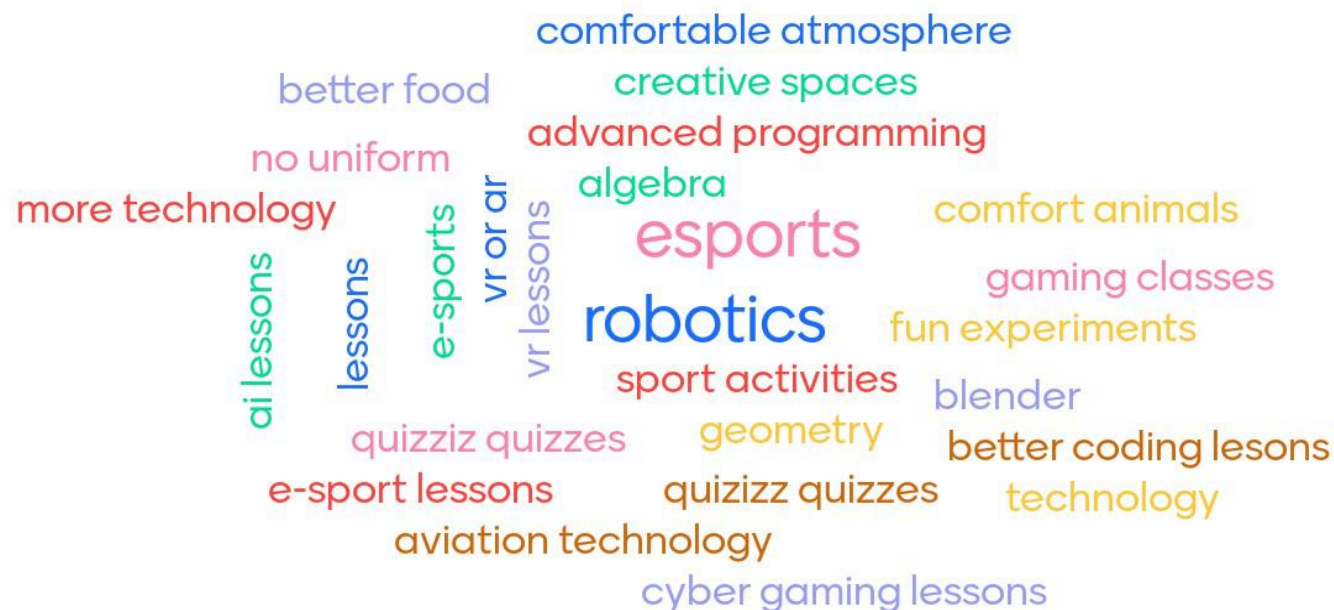What do you want to see in a future school that you do not see today?

29 Responses

comfortable atmosphere

better food

creative spaces

no uniform

advanced programming

more technology

algebra

comfort animals

vr or ar

e-sports

esports

gaming classes

ai lessons

lessons

vr lessons

robotics

fun experiments

sport activities

blender

quizziz quizzes

geometry

better coding lesons

e-sport lessons

quizizz quizzes

technology

aviation technology

cyber gaming lessons

Among university professors

What do you want to see in a future school /university that you do not see today?

27 responses

collaboration spaces
less bullying incidents
inclusion
ai tools for assessment
hybrid courses   fair society
curiosity driven actions
collaboration   service learning   more critical thinking
flexible programme   awared teachers
more practicality   more projects
long term learning   projects
problem soving
more engagement on 2 side
equity motivation joy less parents   open house for learning
digitization of services
self-directed learning
digital repositories

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Two questions in this presentation remain to be answered

- **Question 1: Are schools in danger?**

- **Question 2: Are universities in danger?**

Lets discuss a Hypothetical Question

If all Europeans have the right to do Home Schooling and if all learning exists in micro-learning (micro-videos for example) and if 80% of the students choose to do Home Schooling , what do you think will happen?

What is a micro-credential?

Micro-credentials for lifelong learning and employability – recommendations (EU RECOMMENDATION)

WHAT IS THE AIM OF THE RECOMMENDATION?

The [recommendation](#) sets out a number of rules for micro-credentials in order to facilitate their use, where appropriate. It was adopted with the aim of:

- helping people update and improve the knowledge and skills needed to respond to societal, personal, cultural or labour market needs, to benefit fully from the transitions to the green and digital economy and to be better equipped to deal with current and future challenges;

- helping providers enhance the quality, transparency, accessibility and flexibility of the learning programmes they offer so that individuals are able to plan their learning and career pathways;

- encouraging inclusiveness, access and equal opportunities, achieving resilience, social fairness and prosperity for everybody, in times of demographic and economic change.
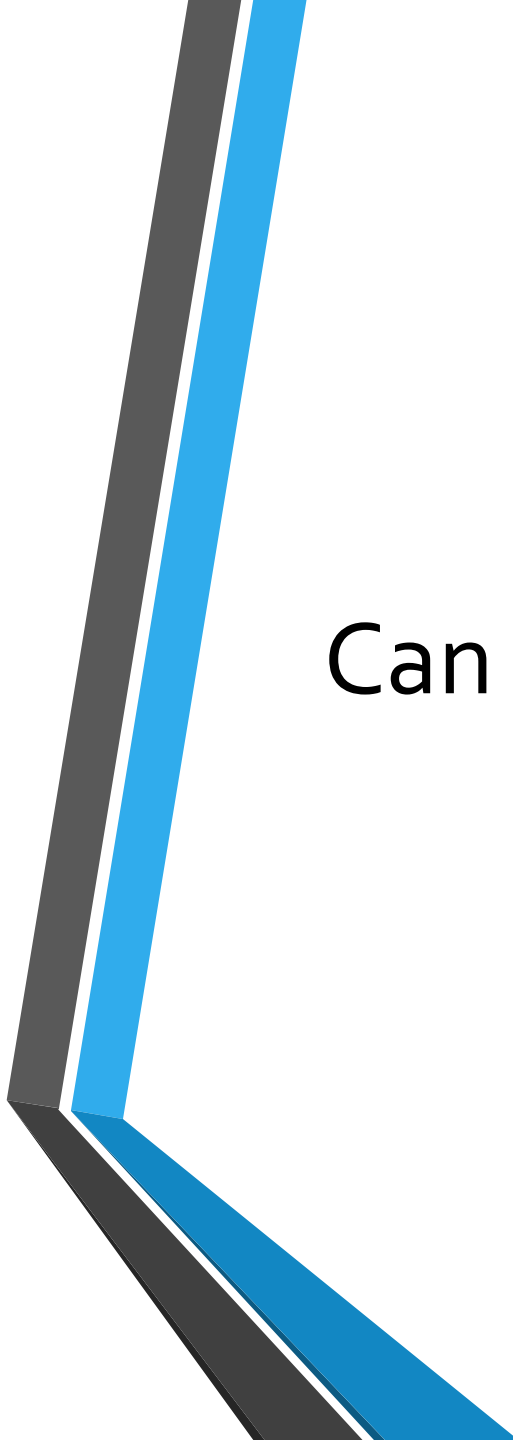
OFFICIAL JOURNAL OF THE EU

A Competence and skill evidence

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Lets discuss a hypothetical question.

- Remember that employers are looking for competences and skills as priority against university degrees

- If employers begin to **prefer the Micro-credentials** instead of university degree as a means of qualification for employment, what do you think will happen for some degree programmes?

- What if nobody is hiring someone with a specific X-degree?

Can you do something to minimize the chance that hypothesis takes place?

EDUCATION 4.0+

Four core components are integrated to shape the concept of Education 4.0+:

(i) Competencies development through IBL, PBL, CBL…internships, blended learning.

(ii) Learning Methods (Digital Learning via BYOD , Micro-Learning)

(iii) Information and Communication Technologies (VR, AR, AI, etc)

(iv) Infrastructures, Learning Spaces, Learning Communities

The evolution of Pedagogy and Andragogy into
Cybergogy, Peeragogy,* and *Heutagogy!

2.0
Pedagogy & Andragogy

3.0
Cyberagory

4.0
Peeragogy & Heutagogy
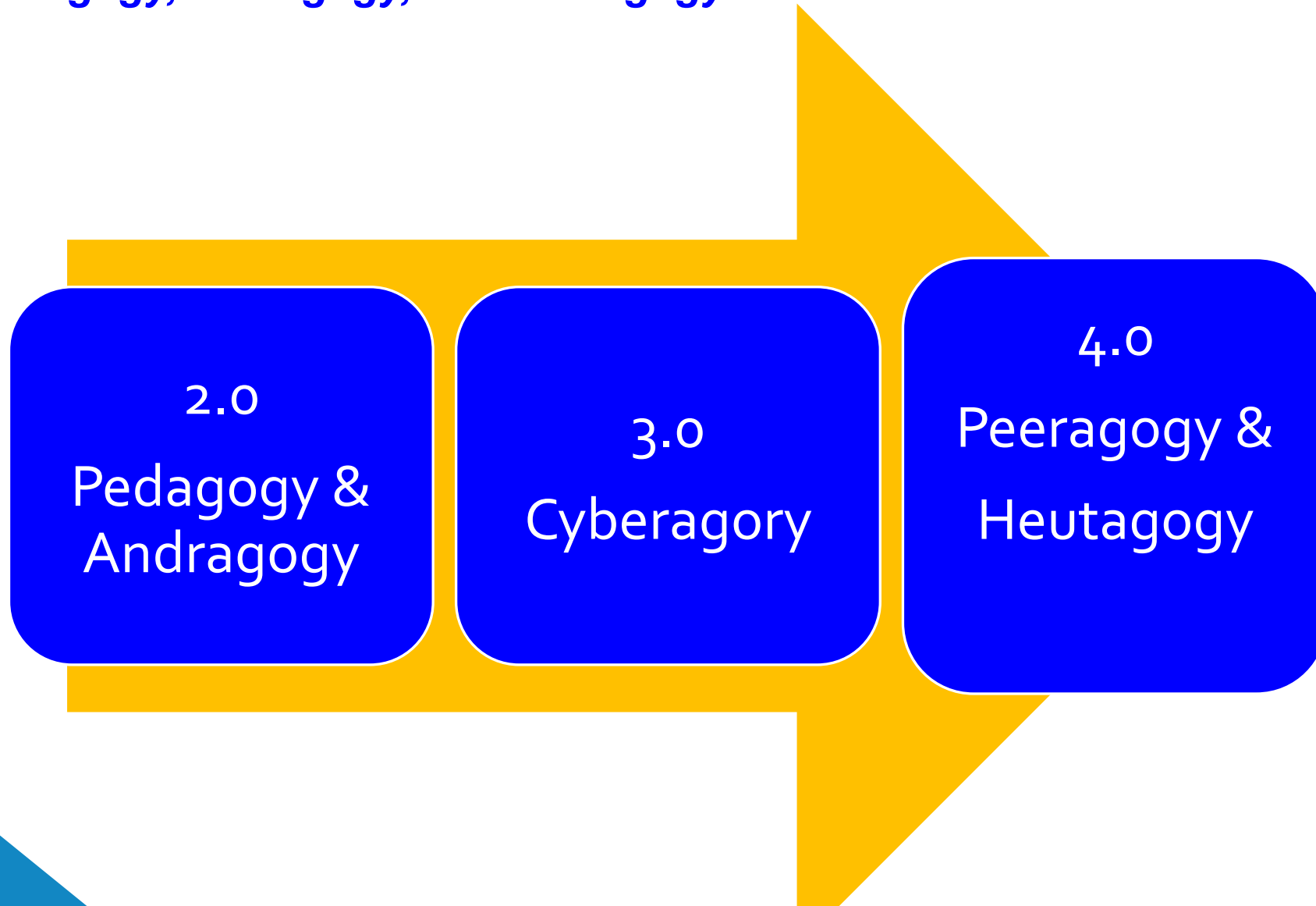
LEANING SPACES of the future

- **Architectural Designs in short animation**

BUT we need tools and methods and we need training for teachers and support for modifying university programmes as future teachers or employees are coming out of universities

STEAME: Guidelines for Developing and Implementing STEAME Schools, www.steame.eu
Completed 31.12.2021

STEAME GOES HYBRID: Blueprint Guidelines and Policy Recommendations, www.steame-hybrid.eu
The Platform
Ended 30.4.2023
PITCH VIDEO – go to the website

BYOD-Learning
Learning at Any Time, at Any Place via any Device
www.byod-learning.eu
Started 1.1.2022   LINK to the PLATFORM
PITCH VIDEO –go to the website

TTF
Teach the Future
https://teachingthefuture.eu/#competitions
Started 1.1.2022

E=MD^2: Excellence in Math Education through (e-)Debate and Diversity
https://excellenceinmath.eu/#competitions
Started 1.2.2022

FACILITATE – AI: **Guidelines for facilitating the learning of Artificial Intelligence (AI) by School Students of Grades 7-12**

www.facilitate-ai.eu

Started 1.2.2022

Dynamic Online Learning Environment with OER - https://facilitate-ai-portal.eu/

REVEALING - REalisation of Virtual rEality LearnING Environments (VRLEs) for Higher Education
https://revealing-project.eu/
Started 1.2.2022

ETRE: Empowering schools' transition readiness to a distance/hybrid learning model enhanced by cloud technology tools (http://etre-project.eu/) Started on 1 April 2021

ONLIFE: Empower Hybrid Competencies for ONLIFE Adaptable Teaching in School Education in times of pandemic, (http://onlife.up.krakow.pl)
Started on 1 June 2021, ending 30 May 2023

ONLIFE – Self-assessment tool

https://onlife.up.krakow.pl/test/

STEAME - STUDENTS

European Networking of STEAME School Students for Exchange and Co-creation

https://thalescyprus.com/?page_id=3386

Join the network: https://docs.google.com/forms/d/e/1FAIpQLSexwglydReZRwyL-qnypwchSUDrOqGbR30RetuD0sjzDl7GVg/viewform

(started 1 May 2022)

STEAME-ACADEMY

STEAME TEACHER FACILITATORS ACADEMY

www.steame-academy.eu

STEAME TEACHER FACILITATORS ACADEMY

www.steame-academy.eu

IMPLEMENTATION PERIOD: 1 JUNE 2023 – 31 MAY 2026
REFERENCE NUMBER: 101102619

STEAME TEACHER FACILITATORS ACADEMY

The main innovations to be delivered by this project are:

1. STEAME Teacher Facilitators Competence Framework for student and serving teachers

2. STEAME Teacher Facilitators Learning Modules/Workshops

3. International Sharing Observatory for STEAME Learning Facilitators

4. Development of the STEAME Facilitators Community of Practice/Mentoring and Certification Programme

5. Policy Recommendations – European Federation of STEAME Teacher Facilitators Academies

A STEAME TEACHER FACILITATOR Micro-credential is coming

STEAME TEACHER FACILITATORS ACADEMY

CONSORTIUM

1. PEDAGOGICAL UNIVERSITY OF KRAKOW, (PL) (Coordinator)

2 CYPRUS MATHEMATICAL SOCIETY (CY)

3 UNIVERSIDADE DO ALGARVE (PT)

4 PANEPISTIMIO AIGAIOU (EL)

5 EUROPAIKOS SYNDESMOS PROSANATOLISMOU STADIODROMIAS (CY)

6 UNIVERSITATEA SPIRU HARET (RO)

7 ASOCIATIA "INSTITUTUL PENTRU DEZVOLTAREA EVALUARII IN EDUCATIE" (RO)

8 PLOVDIVSKI UNIVERSITET PAISIY HILENDARSKI (BG)
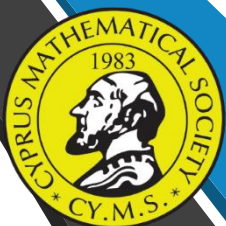
9 UNIVERSITAT DE BARCELONA (ES)

10 PAIDAGOGIKO INSTITOUTO KYPROU (CY)

11 PROF. IVAN APOSTOLOV PRIVATE ENGLISH LANGUAGE SCHOOL (BG)

12 INSTITUTO POLITECNICO DO PORTO (PT)

13 EUROGEO VZW (BE)

14 DOUKA EKPAIDEFTIRIA AE (EL)

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https://forms.gle/KuZY2txFWvWgx6rT8

Make your school or university an Associate Partner

https://forms.gle/S68WQm8tjdfPPXSA8

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We want to invest in the development of competence and skills

.... the competences to discover, recall and apply knowledge and the competence to self-adapt to the change in technologies!

We aim to support the development of a critical mass of STEAME Teachers in Europe

THERE IS NO ROOM AND TIME FOR PLAN B

THANK YOU
Q&A

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in **GREGORISMAKRIDES**

www.eaecnet.com
www.cms.org.cy
www.thalescyprus.com

www.steame-academy.eu

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