



# The Evolution of Education to Education 4.0 :

## The STEAME School of the Future

Dr Gregory Makrides

Professor of STEAME Education

25 January 2022



# SCIENTIX

The community for science  
education in Europe



Co-funded by the  
Erasmus+ Programme  
of the European Union



# The Evolution of Education to Education 4.0 : The STEAME School of the Future

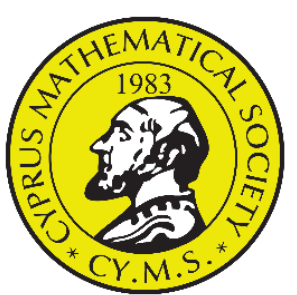
**Prof. Gregoris Makrides, Ph.D.**

President, Cyprus Mathematical Society, Cyprus

Professor of STEAME Education, Pedagogical University of Krakow, Poland

President, THALES Foundation

[makrides.g@eaecnet.com](mailto:makrides.g@eaecnet.com)



**Project Number: 2019-1-CY01-KA201-058240**

This project has been funded with support from the European Commission.  
This PowerPoint reflects the views only of the author, and the Commission  
cannot be held responsible for any use which may be made of the information  
contained herein.

## Einstein said

***“Imagination is more important than knowledge. Knowledge is limited to all we now know and understand, while imagination embraces the entire world, and all there ever will be to know and understand.”***



1922



2022



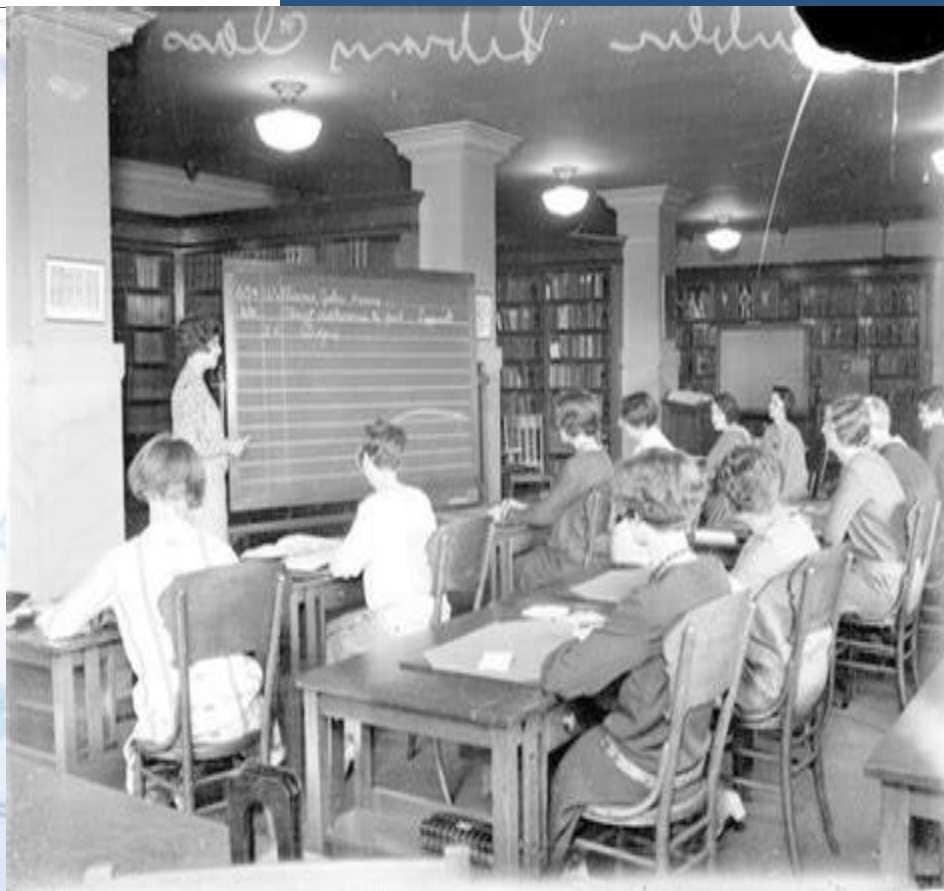


**1950 With air-condition**



**2022 with air-condition**



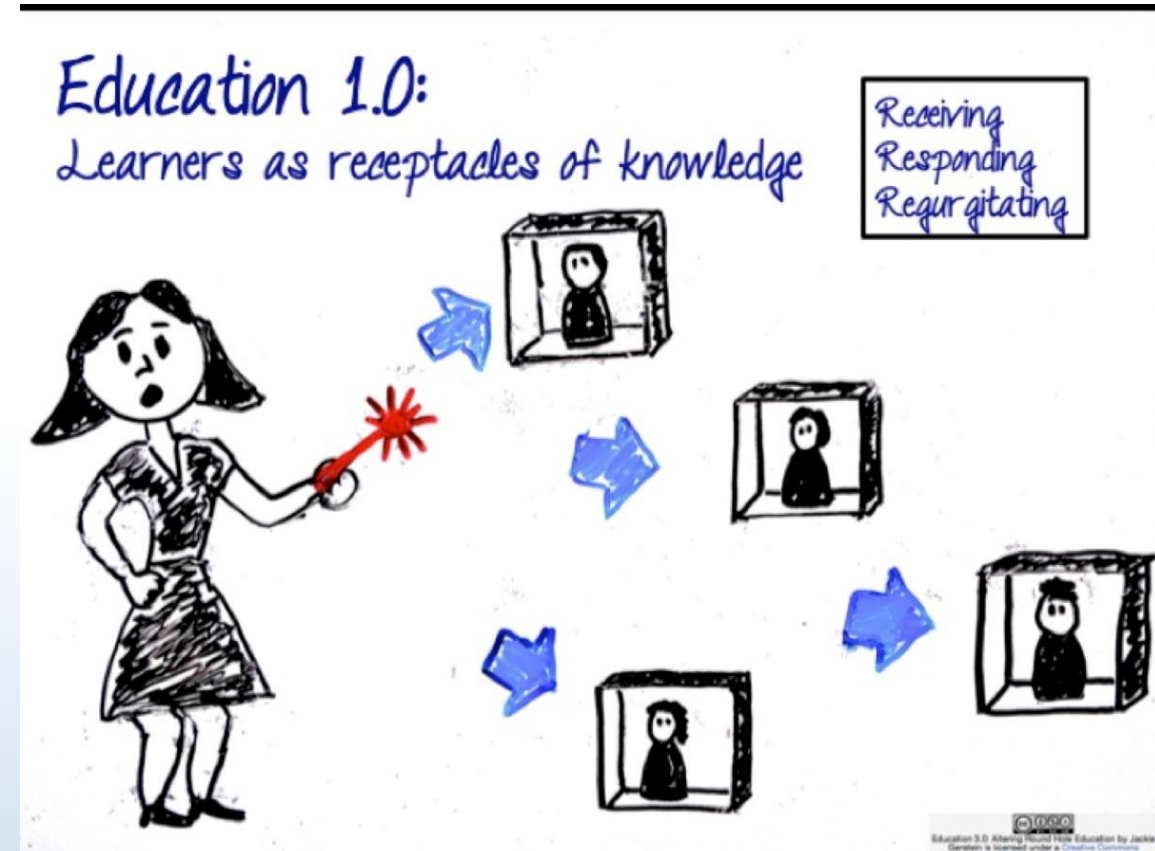


**1960 portability**



**2020+ portability**

- Authoritarian
- The student is the passive recipient
- Teacher-centered system - the teacher gives knowledge as the absolute leader in the classroom
- Technology is forbidden in the classroom



- Communication and collaboration are starting to grow
- Exam-based approach - the result is the examination - Memorization of knowledge
- An underestimated student-centered approach, we call it but do not apply it.
- the schools are still talking about hours of teaching ..... But they should talk about hours of learning !!!

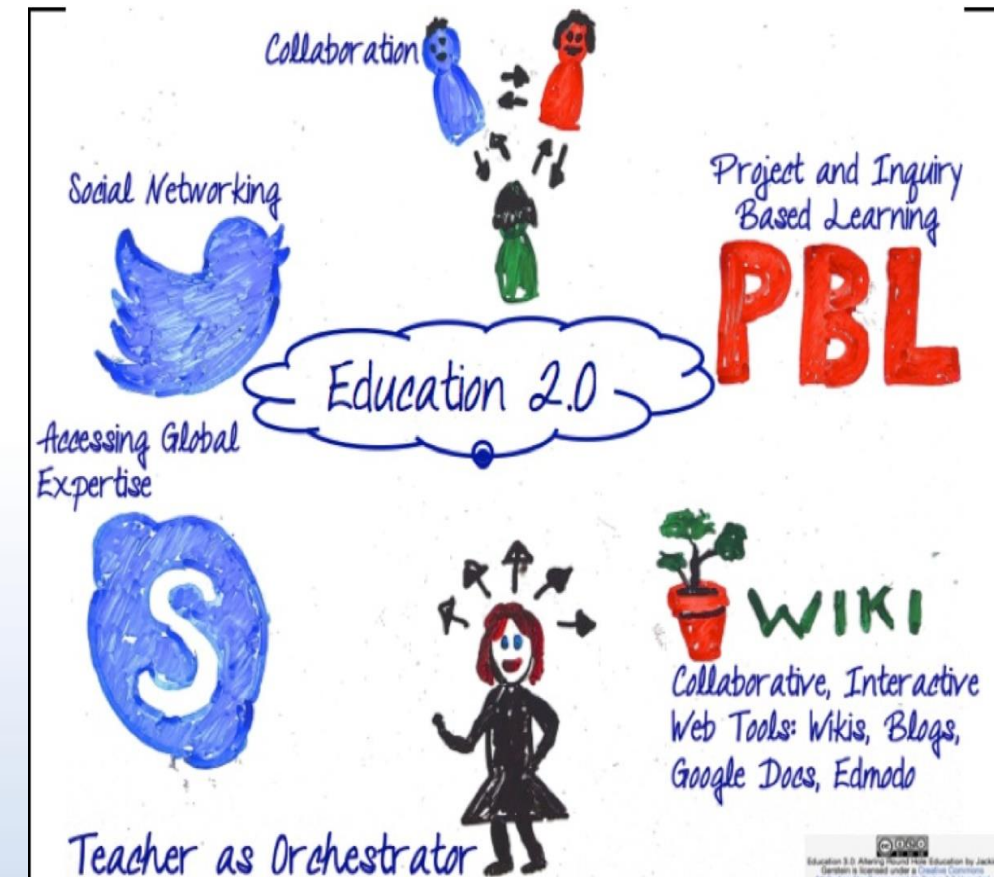
## Education 2.0:

*Learners as communicating, connecting, collaborating*



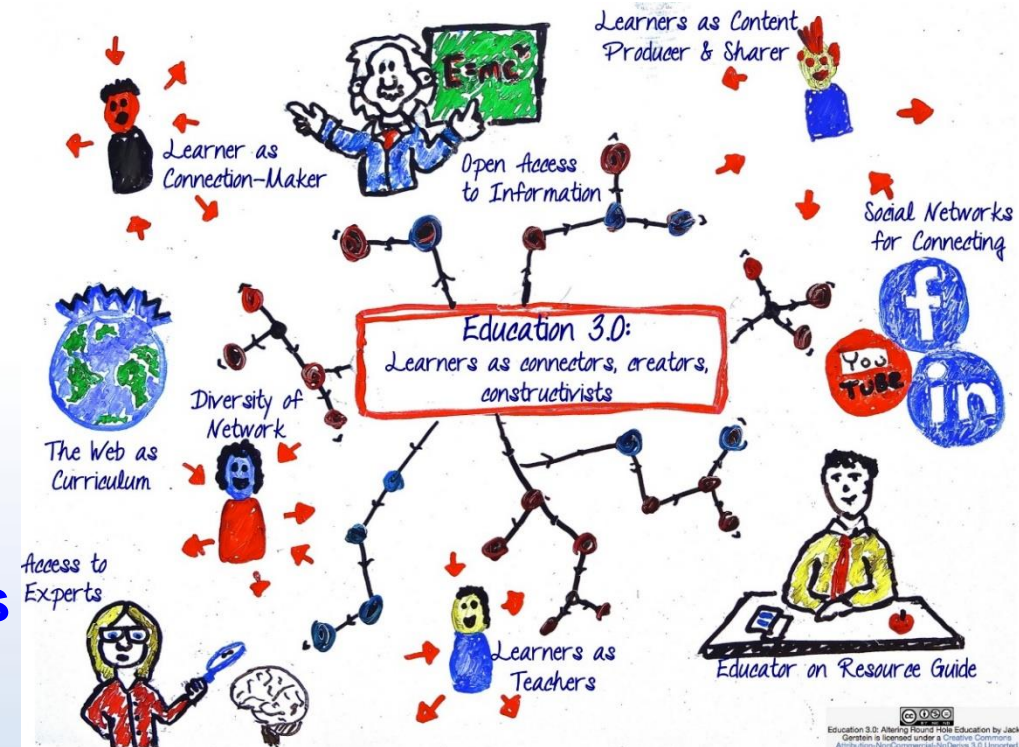


- Invasion of technology and social networking
- We apply technology to the classroom as a trend indicator, but ..... the class continues to have the same structure.
- Complete confusion ... .. students know the technologies better than teachers
- No design for what is used and what is not
- Many choices, there is no money for buying and applying, uncoordinated technology correlation with the curriculum ... .. the system can not properly follow the evolution of technology ... there is no teacher training ..... data is everywhere ... .. Google Search faster from traditional libraries ... the web knows more than our teacher ....WE WERE NOT READY FOR COVID-19
- Students give technical knowledge to their teachers ....



- Student-Centered approach
- The teacher is transformed into a Coordinator/facilitator, advisor, learner and practice guide
- The student is researching
- Flip classroom method applies
- More dialogue, technology is everywhere, the student is self-learning and everywhere.
- The classical style classroom no longer exists
- Lesson Plans are now called...

... *Learning Plans*





# Project Based group learning

STEAME  
SUMMER  
CAMP  
2021





# Learning spaces of the future



2025+



# Learning spaces of the future



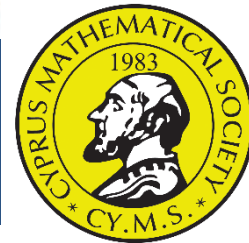
2030+

- **Co-creation and innovation in the centre**
- **Whenever and Wherever**
  - Flipped classroom applied (Hybrid Learning Environments)**
  - Interactive practical exercise – F2F or Distance**
- **Learning is done at home or outside school, while in school students develop skills**
- **Development of personalized teaching and learning**
- **Learning Plans are now called Learning & Creativity Plans**
- **The technology**
  - Its free or/and easily accessible,**
  - Increased use of virtual reality, artificial intelligence ,etc**
  - Continuous evolution and innovation and therefore a need for development of Competences and Skills so people become Adaptable to Change**

2.0  
Lesson Plans

3.0  
Learning Plans

4.0  
Learning  
&  
Creativity Plans



November 2019 – December 2021, just the beginning...

**STEAME : Science-Technology-Engineering-Arts-Mathematics-Entrepreneurship**

[www.steame.eu](http://www.steame.eu)

**STEAME: Guidelines for Developing and Implementing STEAME Schools**

**What was needed?**

*Model of STEAME Schools*

*Guidelines for STEAME Activities in Schools*

*Guidelines for cooperation between teachers of different disciplines*

*New organizational structures for STEAME schools*

*Training of Teachers - help them to adapt*

*Dynamic Change in Curricula, Tools, Methods*

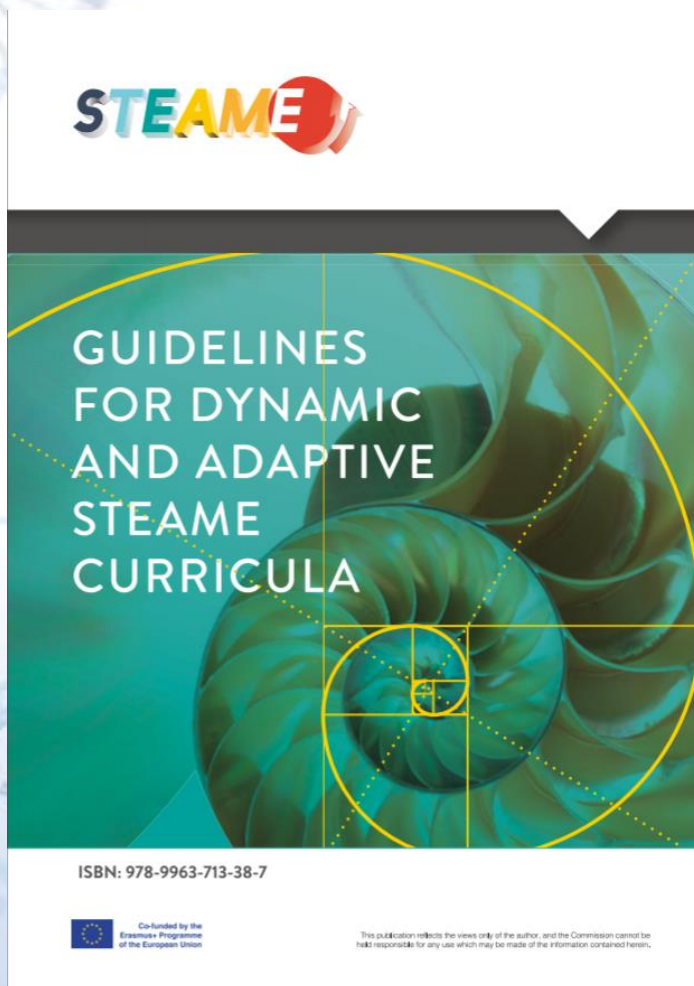


Co-funded by the  
Erasmus+ Programme  
of the European Union



- O1. Guidelines for dynamic and adaptive STEAME curricula – **published**
- O2. Guidelines for STEAME Activities in Schools for two age groups – **published**
- O3. Guidelines for STEAME School Organizational Structure – **published**

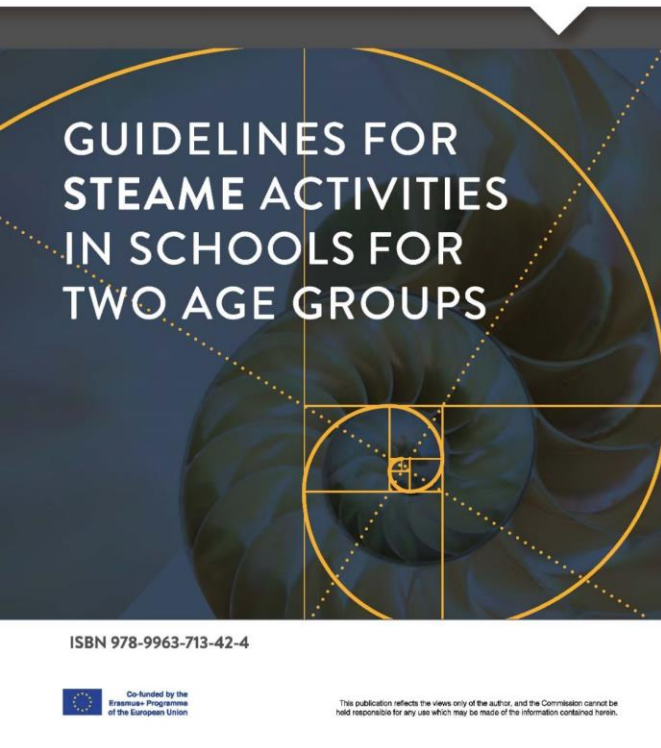




### CONTENTS

- CHAPTER 1 Approaches to teaching
- CHAPTER 2 Materials for teaching
- CHAPTER 3 Entrepreneurship aspects
- CHAPTER 4 Organizational suggestions for STEAME-oriented teaching
- CHAPTER 5 Propositions and analysis of STEAME-oriented curriculum- Adaptability and dynamics characteristics

## O2. Guidelines for STEAME Activities in Schools for two age groups

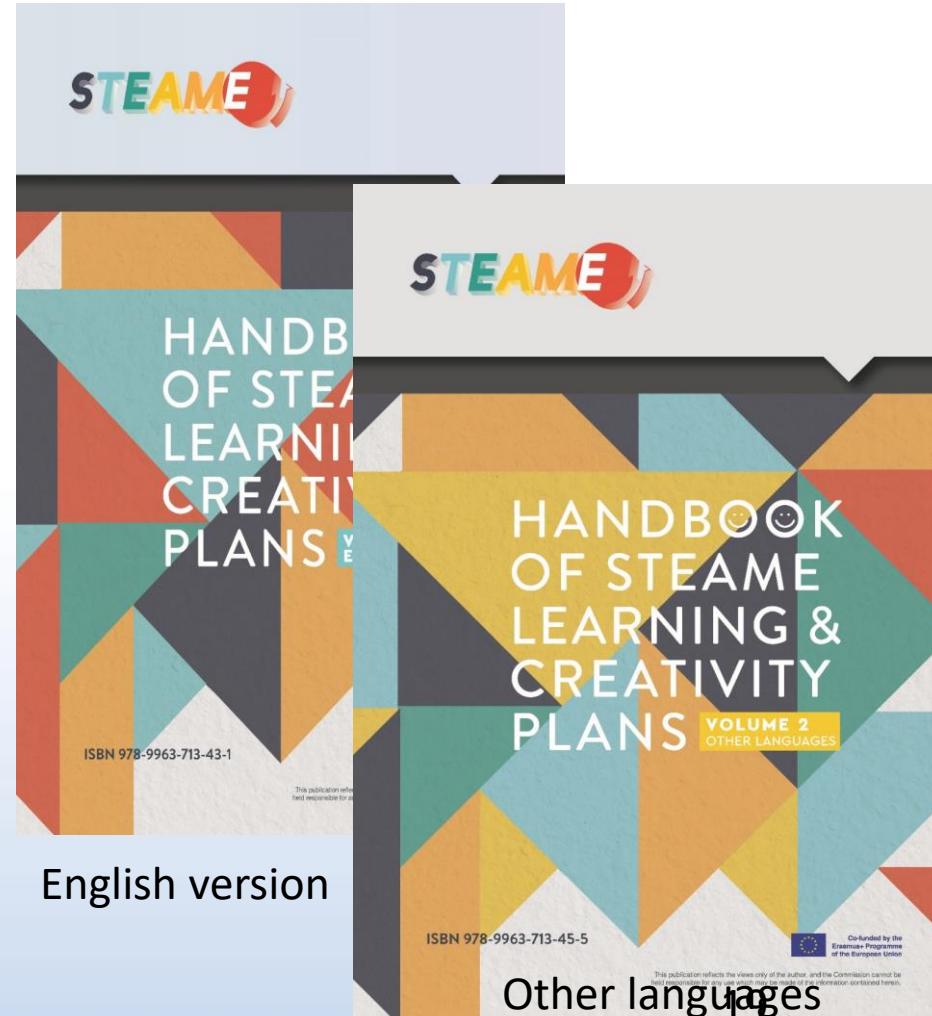


### CONTENTS


- **CHAPTER 1.** THE STEAME FRAMEWORK OF LEARNING AND CREATIVITY PLANS
- **CHAPTER 2.** GUIDE TO LEARNING AND CREATIVITY PLAN DEVELOPMENT
- **CHAPTER 3.** STEAME LEARNING AND CREATIVITY PLANS
- **CHAPTER 4.** COOPERATION AND CREATIVITY PROGRAM BETWEEN SCHOOLS & INDUSTRY
- **CHAPTER 5.** STEAME OBSERVATORY

Languages:


English, Polish, Italian, Bulgarian, Greek







Co-funded by the  
 Erasmus+ Programme  
 of the European Union



LEARNING & CREATIVITY PLAN (L&C PLAN): A CUSTOMIZED E-SHOP

S	T	Eng	A	M	Ent
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

1. Overview

Title	A CUSTOMIZED E-SHOP
Driving Question or Topic	What i need to know about the costs, revenue and profit in my business?
Ages - Grades	AGES:15-16      9 <sup>th</sup> - 10 <sup>th</sup> grade
Duration, Timeline, Activities	4 LEARNING HOURS      2*90 MINUTES      6 ACTIVITIES
Curriculum Alignment	Business Costs, Revenue and Profit
Contributors, Partners	Xenia Kareli, Yannis Kotsanis
Abstract - Synopsis	Five activities for two learning periods of 90 min (first lesson) include the analysis and the calculation of a firm's profit, the analysis of its costs and how this firm creates and increases its revenue. So, for all these reasons, in the second period of 90 min (second lesson), every group of students designs and creates a customized e-shop, that formulates a real problem. In this way, they understand the mechanism of the market in action.
References, Acknowledgements	<ul style="list-style-type: none"> <li>Pearson Edexcel International GCSE (9-1) Economics -First published 2017, author: Rob Jones. ISBN 978-0-435-18864-1 (Student's book). Case Study (Lesson 16): Greenway Construction (activity 1).</li> <li>Pearson Edexcel International GCSE (9-1) Economics -First published 2018, author: Clare McCormack. ISBN:978-0-435-19134-4 (Teacher Resource Pack).</li> </ul>

2. STEAME Framework\*

Teachers' Cooperation	1st Teacher: Economist 2nd Teacher: Technology Specialist and/or Computer Scientist (the two teachers can work together during the second lesson)
STEAME in Life (SIL) Organization	A real meeting with executives of a big firm with well-known products and on a call (via teleconference or face to face) and with a businessman whose main activity is organizing and running an e-shop.
Action Plan Formulation	<b>STAGE I:</b> Preparation by two teachers [STEPS 1-4], and  <b>STAGE II:</b> Action Plan Formulation [Preparation STEPS 1-3] Refers to the creation of this Learning Plan, by the two teachers in collaboration.

- Empty template available for use in the Observatory in EN, GR, IT, BG, PL
- Completed STEAME L&C Plans in the STEAME OBSERVATORY
- **Designed for minimum 2 teachers collaboration**
- It includes the 18 steps prototype teacher cooperation for STEAME project activity

STAGE	Activities/Steps Teacher 1 (T1) Cooperation with T2 and student guidance	Activities /Steps By Students Age Group: ____	Activities /Steps Teacher 2 (T2) Cooperation with T1 and student guidance
A	Preparation of steps 1,2,3		Cooperation in step 3
B	Guidance in step 9	4,5,6,7,8,9,10	Support guidance in step 9
C	Creative Evaluation	11	Creative Evaluation
D	Guidance	12	Guidance
E	Guidance	13 (9+12)	Guidance
F	Organization (SIL) STEAME in Life	14 Meeting with Business representatives	Organization (SIL) STEAME in Life
G	Preparation of step 15		Cooperation in step 15
H	Guidance	16 (repetition 5-11)	Support Guidance
I	Guidance	17	Support Guidance
K	Creative Evaluation	18	Creative Evaluation 20



## ➤ STEAME student evaluation rubric

Fully completed analytics



1. STEAME Subjects (overall performance of respective concepts/discipline/content of K-12 level)					
0 - N/A		1 - beginning	2- developing	3 - advanced	
<input type="checkbox"/> Science	<input type="checkbox"/> Technology	<input type="checkbox"/> Engineer	<input type="checkbox"/> Arts	<input type="checkbox"/> Mathematics	<input type="checkbox"/> Entrepreneurship
2. Competences (knowledge, skills, values-attitudes)					
	basic/beginning	emerging/developing	accomplished/strong	exemplary	
creativity, innovation					
critical thinking					
collaboration					
digital skills					
oral - written language					
presentation skills					
social & emotional competences					
3. Project Management, Development and Realisation Processes					
	basic/beginning	emerging/developing	accomplished/strong	exemplary	
goal achievement and motivation					
inquiry-based process					
problem-based process					
project-based and timeline process					
resources, references					
construction, artifacts, production outputs					
Entrepreneurship					
4. Formative Assessment (specified at each L&C)					
	D - limited/poor	C - adequate/good	B - substantial/great	A - detailed/excellent	
Student Assessment by Teacher					
Self - Group*					
Self - Student*					

## 1. STEAME PROJECT OUTPUTS

2. LEARNING & CREATIVITY ACTIVITIES/PLANS  
GRADES 7-9 (COLLECTION) LEARNING &  
CREATIVITY PLANS WITH RELATED MATERIAL

3. LEARNING & CREATIVITY ACTIVITIES/PLANS  
GRADES 10-12 (COLLECTION) LEARNING &  
CREATIVITY PLANS WITH RELATED MATERIAL

4. STEAME SCHOOL SITES LINKS

5. STEM → STEAM → STEAME COURSES

6. Journal of STEAME Creations for and by School  
students

7. STEM-STEAM-STEAME EU FUNDED PROJECTS

8. EXPERIMENTS OR SCHOOL PROJECTS/CREATIONS  
& LINKS TO VIDEOS, SITES GRADES 7-9

9. EXPERIMENTS OR SCHOOL PROJECTS/CREATIONS  
& LINKS TO VIDEOS, SITES GRADES 10-12

10. STEAME EVENTS

11. STEAME INFOGRAPHICS

12. STEAME COMPETITIONS

13. PHOTOS & VIDEOS OF STEAME SCHOOLS

- Modules 1-2. How to construct Learning & Creativity plans
- Module 3. How teachers can work together (18 steps prototype and other aspects)
- Module 4. How to help teachers and students work online (Hybrid environments)
- Module 5. How to support students in making oral presentations
- Module 6. How to write papers/reports
- Module 7. How to work on projects (Inquiry Based Learning, Project Based Learning)
- Module 8. How to work on projects (peer questions)
- Module 9. How to develop STEAME schools (Type A and Type B Schools, survey results)
- Module 10. Evaluating STEAME project/activities work of students (Evaluation rubrics etc)
- Module 11-12: Course Assignment hands on development of a L&C Plan

**Listed in EPALE Platform as a KA1 course**

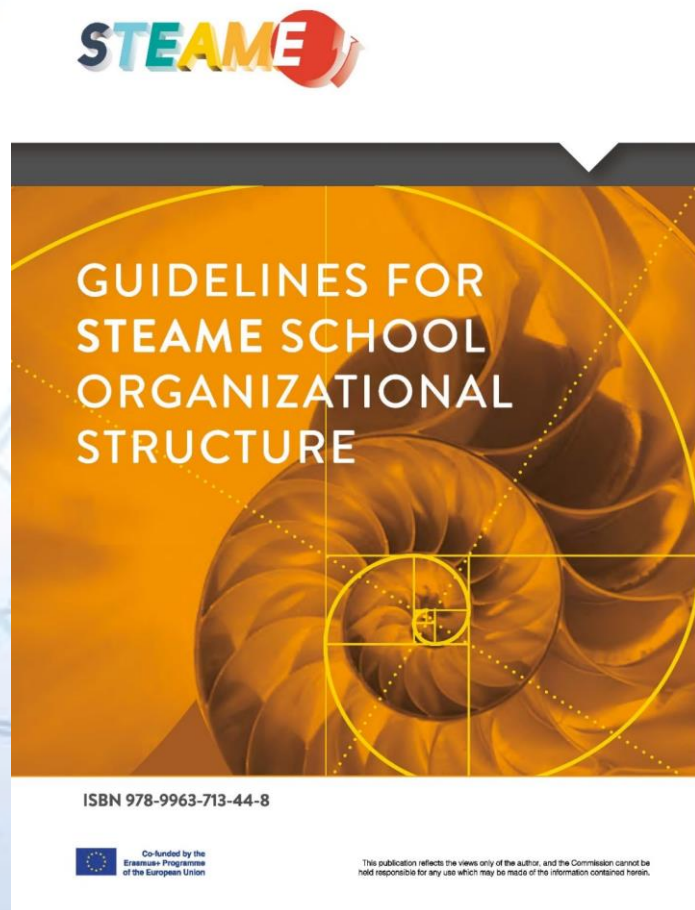
COURSE WEBINAR

SESSIONS

- **Students can publish their project work and results**

[Specs and submission process](#)





**TYPE A: How can we run STEAME activities in current school infrastructures ?**

**TYPE B: What should a future school look like in order to best run STEAME activities?**

**KA1 four days STEAME training course for teachers, is published for**

## CONTENTS

INTRODUCTION (translated in all partner languages - Polish, Italian, Bulgarian, Greek)

**CHAPTER 1. OVERVIEW AND CONTEXT**

**CHAPTER 2. RESULTS FROM THE SURVEY**

**CHAPTER 3. RESULTS FROM THE FOCUS GROUPS**

**CHAPTER 4. THE STEAME TRAINING COURSE FOR TEACHERS, SCHOOL HEADS AND AUTHORITIES**

**CHAPTER 5. ORGANIZATIONAL STRUCTURE OF STEAME TYPE A SCHOOLS – EXISTING**

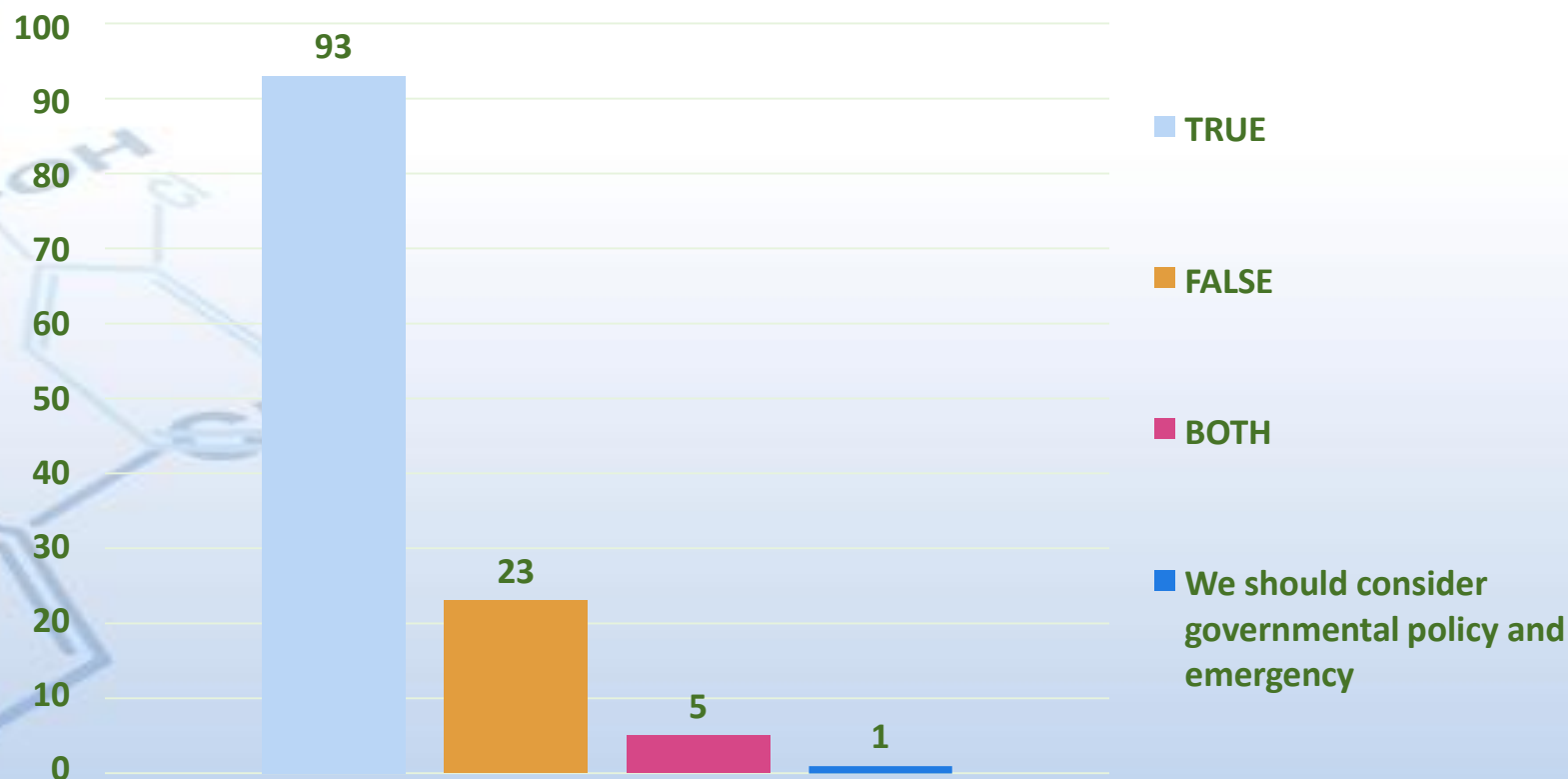
**CHAPTER 6. ORGANIZATIONAL STRUCTURE OF STEAME TYPE B SCHOOLS – NEWLY ESTABLISHED SCHOOLS**

**CHAPTER 7. POLICY RECOMMENDATIONS** (translated in all partner languages - Polish, Italian, Bulgarian, Greek)

## **Selected results from the ONLINE European survey conducted in 2020**

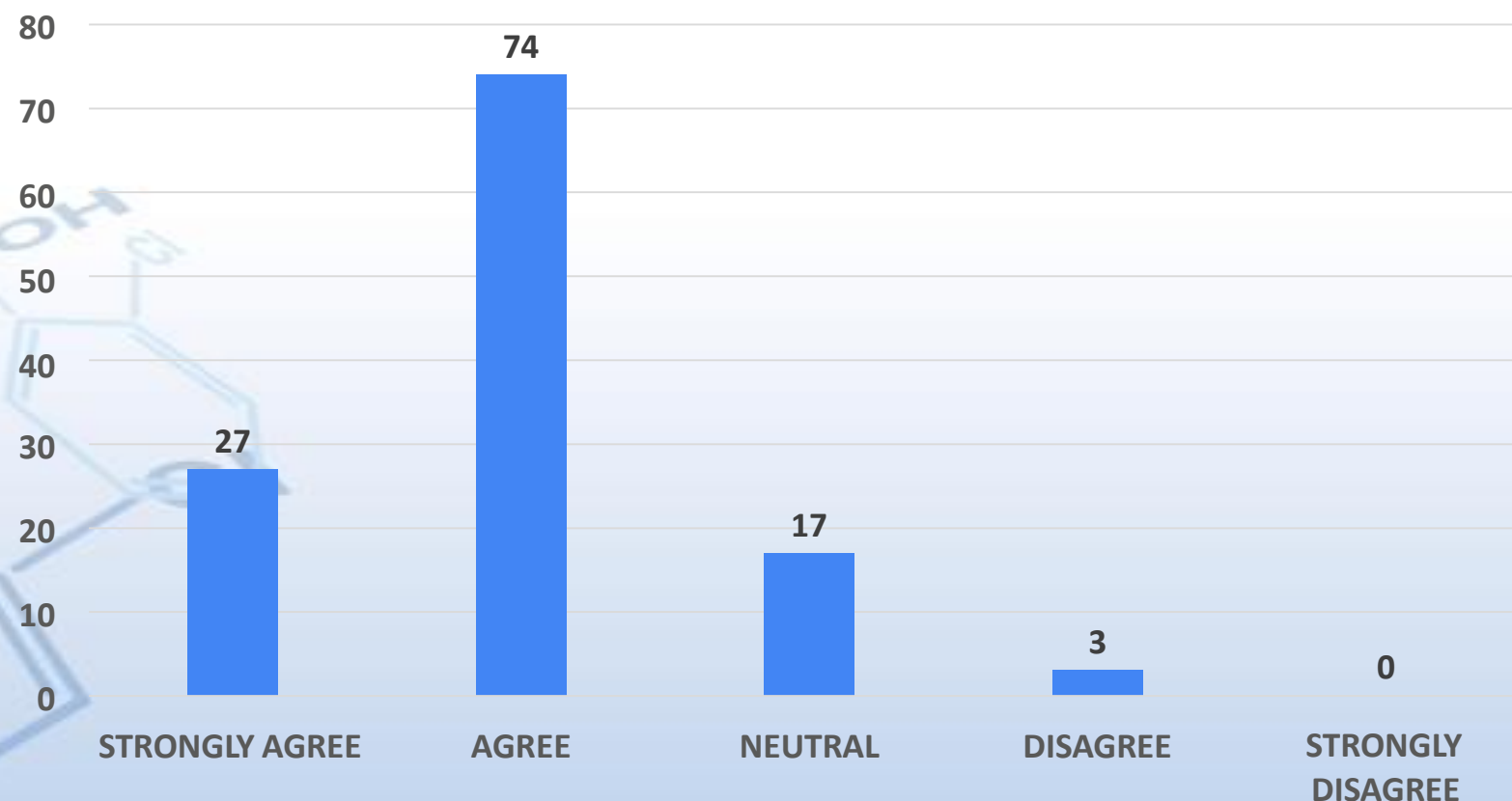
**122 responses from expert teachers and school principals**

***The STEAME programme should shape the education process of the school and the classroom design, not the other way around.***

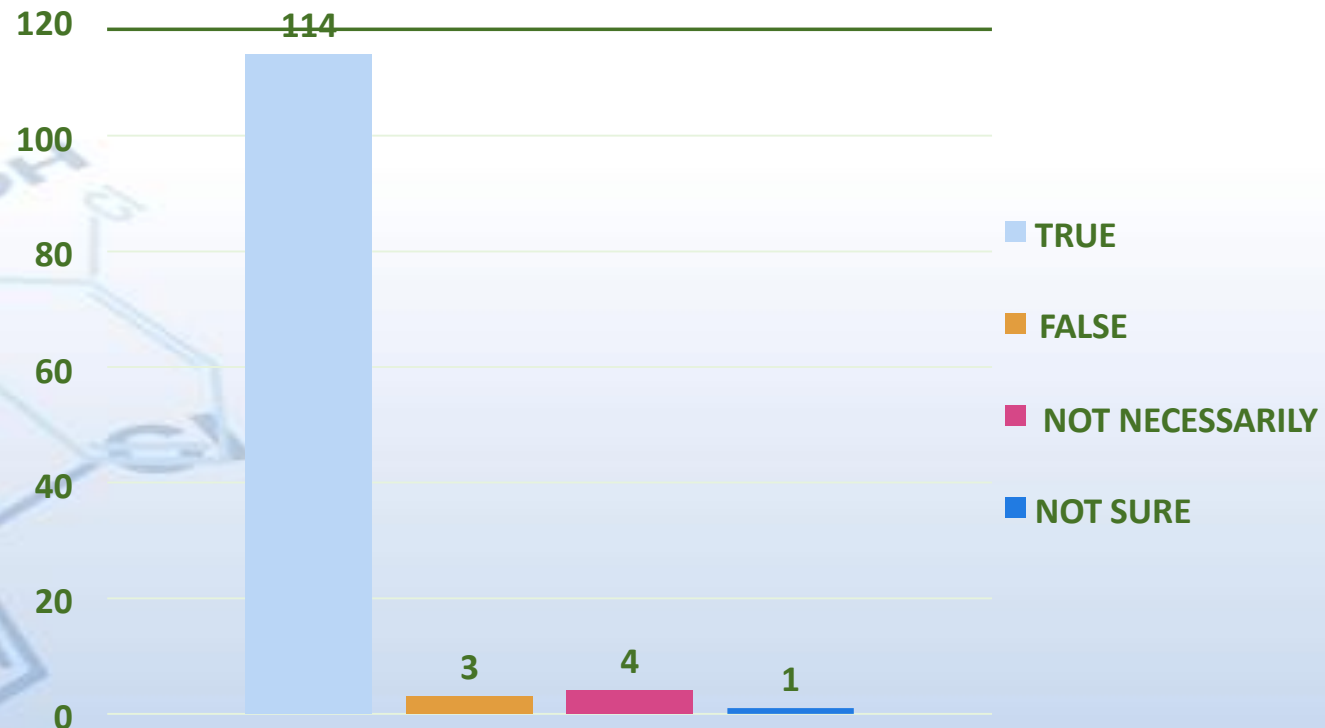




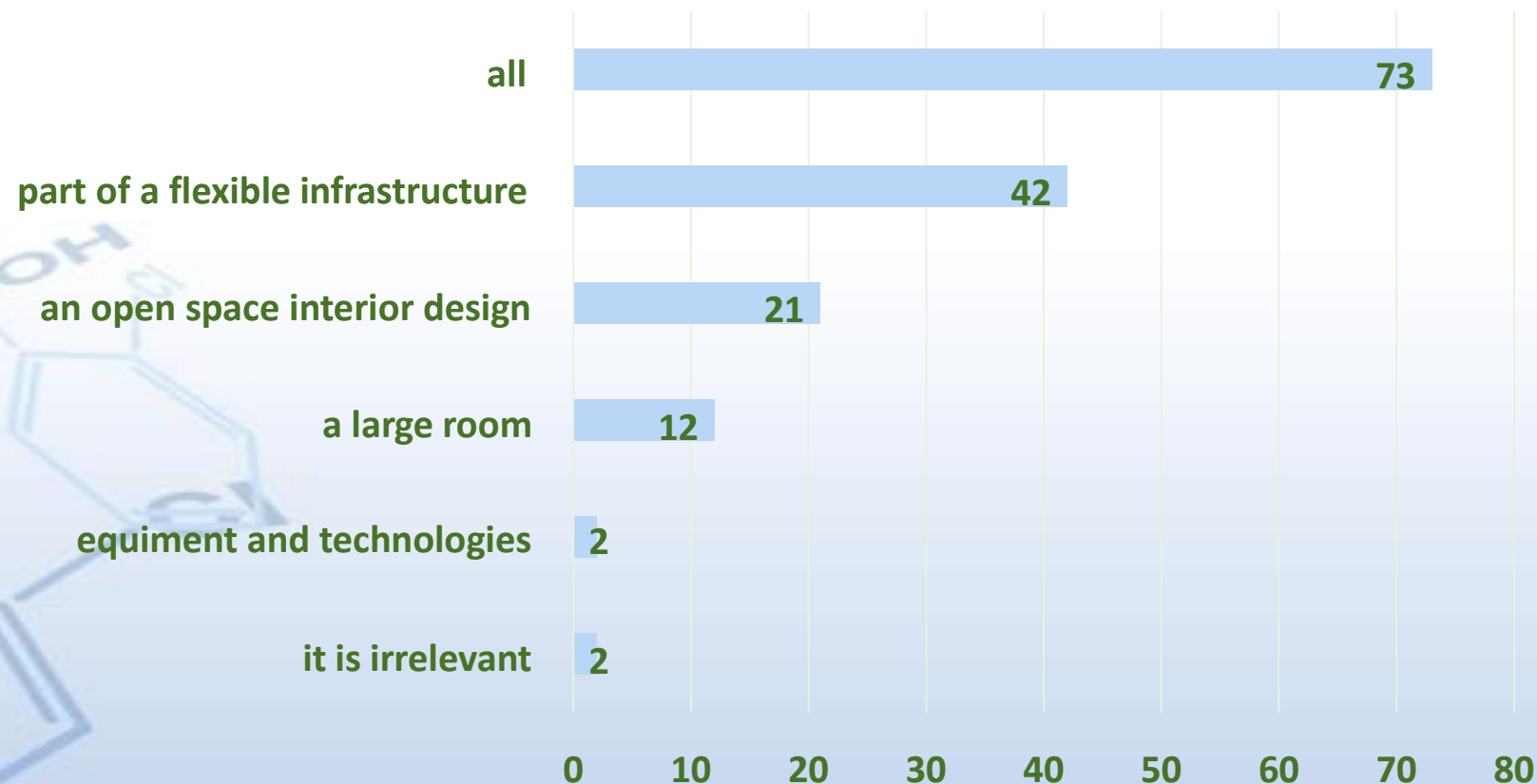
## *The classroom layout should be aligned with the outcomes of STEAME and blended learning*



*The classroom furniture has to be moveable in order to enhance layout flexibility*

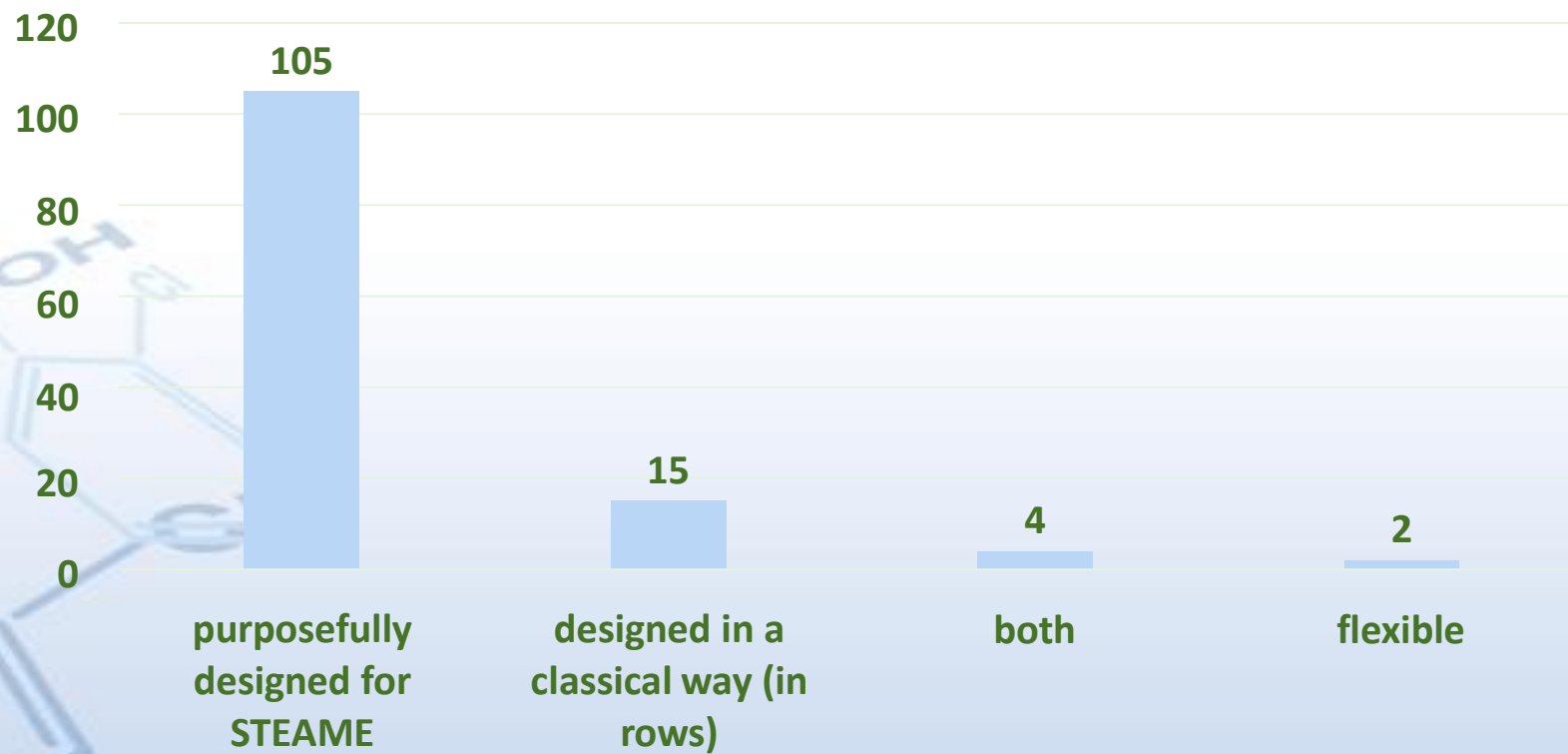


*To achieve blended learning the STEAME classroom should be*





## *The classroom should be*



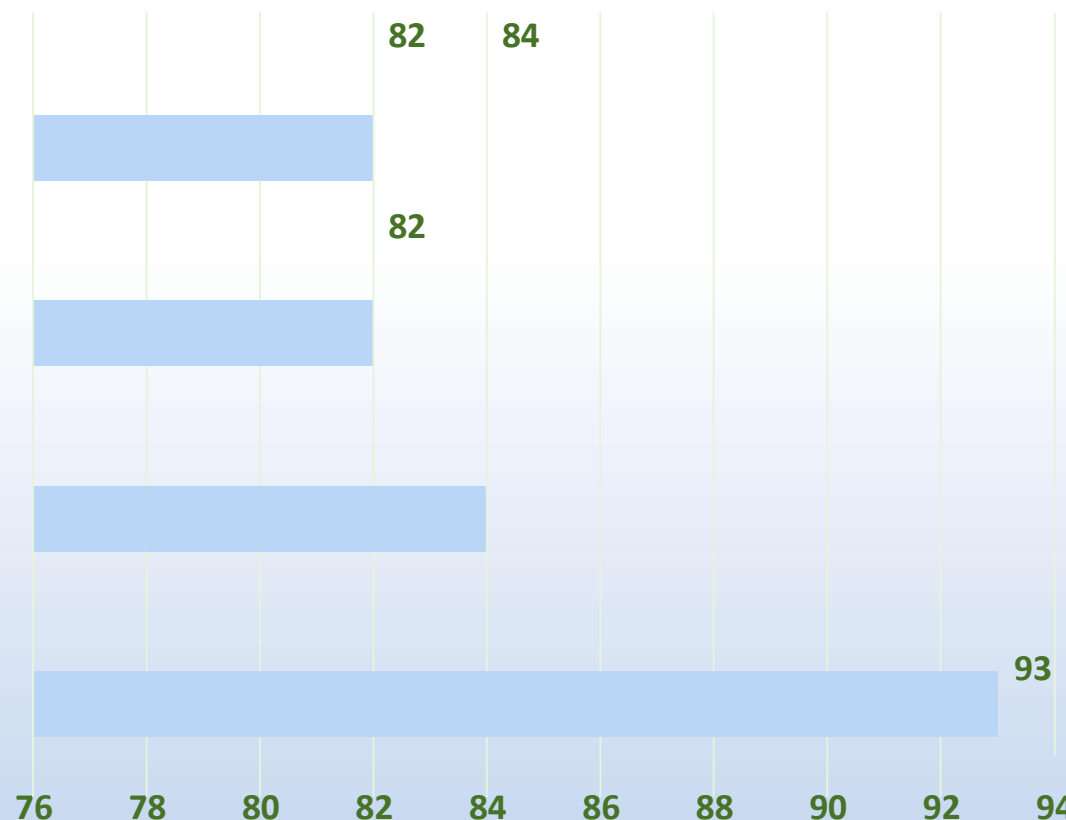
## *Ideas related to the assessment , teacher needs*

- Assessment should be creation-based, without the typical exams but outcome assessment and creativity assessment.
- Assessment should become a co-assessment between teachers who need to learn to work together in different fields and with groups of students.

*Thus, teachers need training for the change of mode of facilitating the learning and assessment.*

## *STEAME schools must integrate the following spaces*

- Studying space on a creative environment
- Direct instruction space for small teams of students focused on teamwork on projects with the necessary equipment
- Exchange space for collaborative learning with peer delivered content
- Space for personalized learning, individual research activities, assisted by online or offline content (texts, graphs, pictures, audio and video content)





## *Ideas related to the evolution of practices*

- Without paper books, all books should be digital
- Students come to school without school bags, only tablets where they keep everything
- Schools should have internet but NO WIFI
- Schools should be all day schools from 8 to 5 without homework. After 5 pm it should be play time.



Erasmus+



**Architectural Designs and Animations**

**STEAME School of the future**

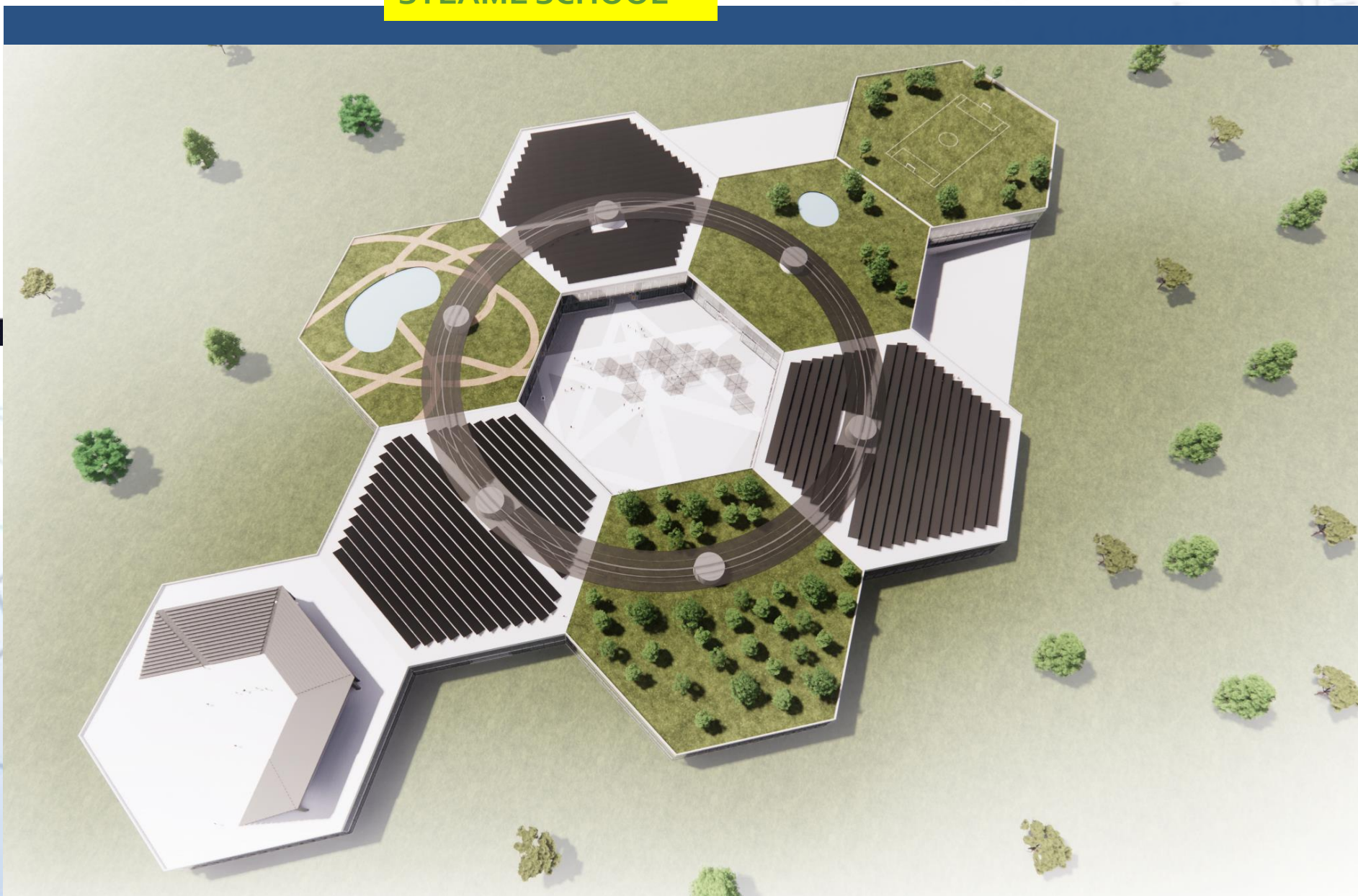
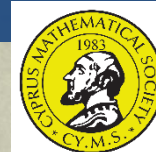




VectorStock.com 19814034

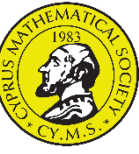
...follow the  
design of bee  
swarm cells....

## STEAME SCHOOL





# STEAME SCHOOL













# Specs Basement

## BASEMENT

STEAME THEATRE

MAIN LABS

B1.1 Main Biology Lab

B1.2 Main Chemistry Lab

B2.1 Main Physics Lab

B2.2 Main Mathematics Lab

B3.1 Main Construction and 3D printers Lab

B3.2 Main Environmental Lab

B4.1 Main Robotics Lab

B4.2 Main Computing and Software Lab

B5.1 Main Prototype Development Lab

B5.2 Main VR Centre Lab

B6.1 Main Skills and Talent Development Lab

B6.2 Main STEAME Communication Lab

- Additional VR rooms
- Learning stations
- Entry into amphitheatres

## Specs Ground Floor

### Satelite Labs

- G3.1 Biology-Chemistry S-Lab
- G4.1 Physics-Mathematics S-Lab
- G5.1 Industry Liaison Office
- G5.2 Virtual Business Centre
- G1.1 Robotics – Computing –Multimedia S-Lab
- G1.2 Sound-proof student meeting room
- G2.2 Construction- Environmental S-Lab
- G2.1 Sound-proof student meeting room
- G3.2 Sound-proof student meeting room
- G4.2 Sound-proof student meeting room
- Individual Learning Stations as private u-shape booths
- Open space movable furniture for small group work by students
- Courtyard
- Reception area
- Entry into amphitheatres

## Specs First floor

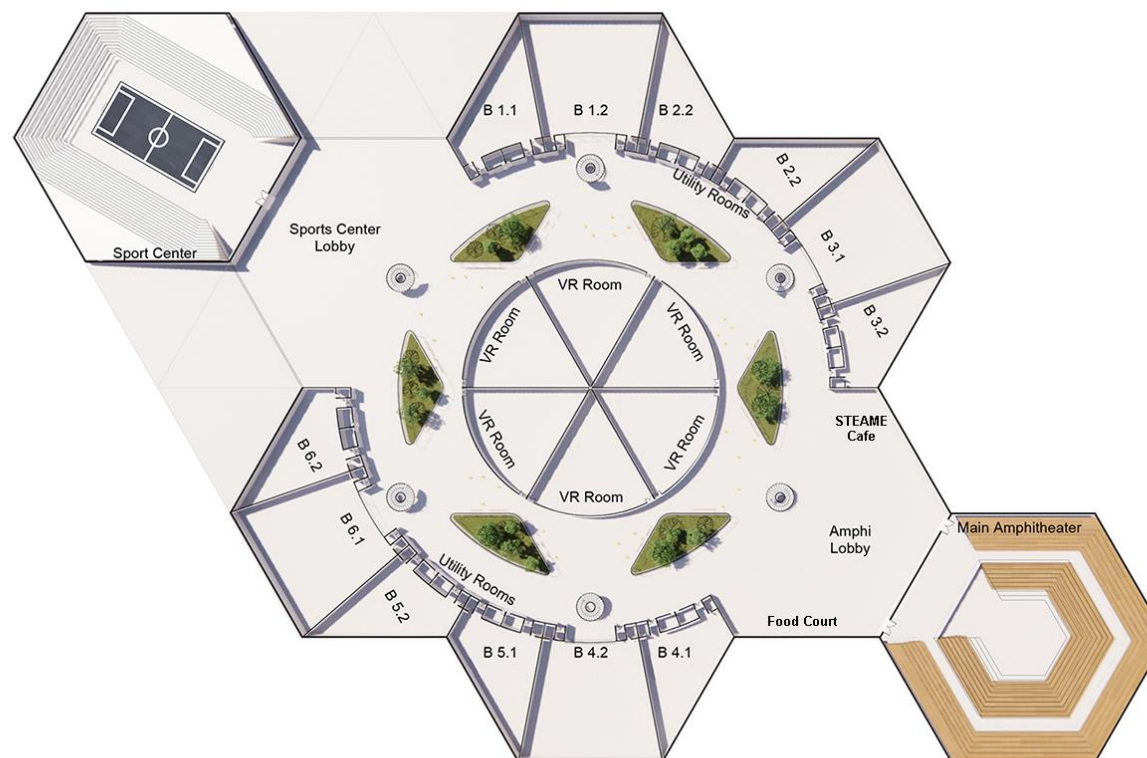
### THE VERY QUIET FLOOR – THE IDEAS FLOOR

- Open space flexible movable furniture for student groups
- Co-creation Train moving ...with group siting stations
- Learning Centres/Rooms
- Additional Learning Stations
- Entry into amphitheatres
- Slow Moving STEAME train
- Administration offices



## Specs Roof

- Recreation spaces
- Cafeteria
- Garden and Lake
- Photovoltaics
- Football court
- Athletic field
- Open Amphitheatre

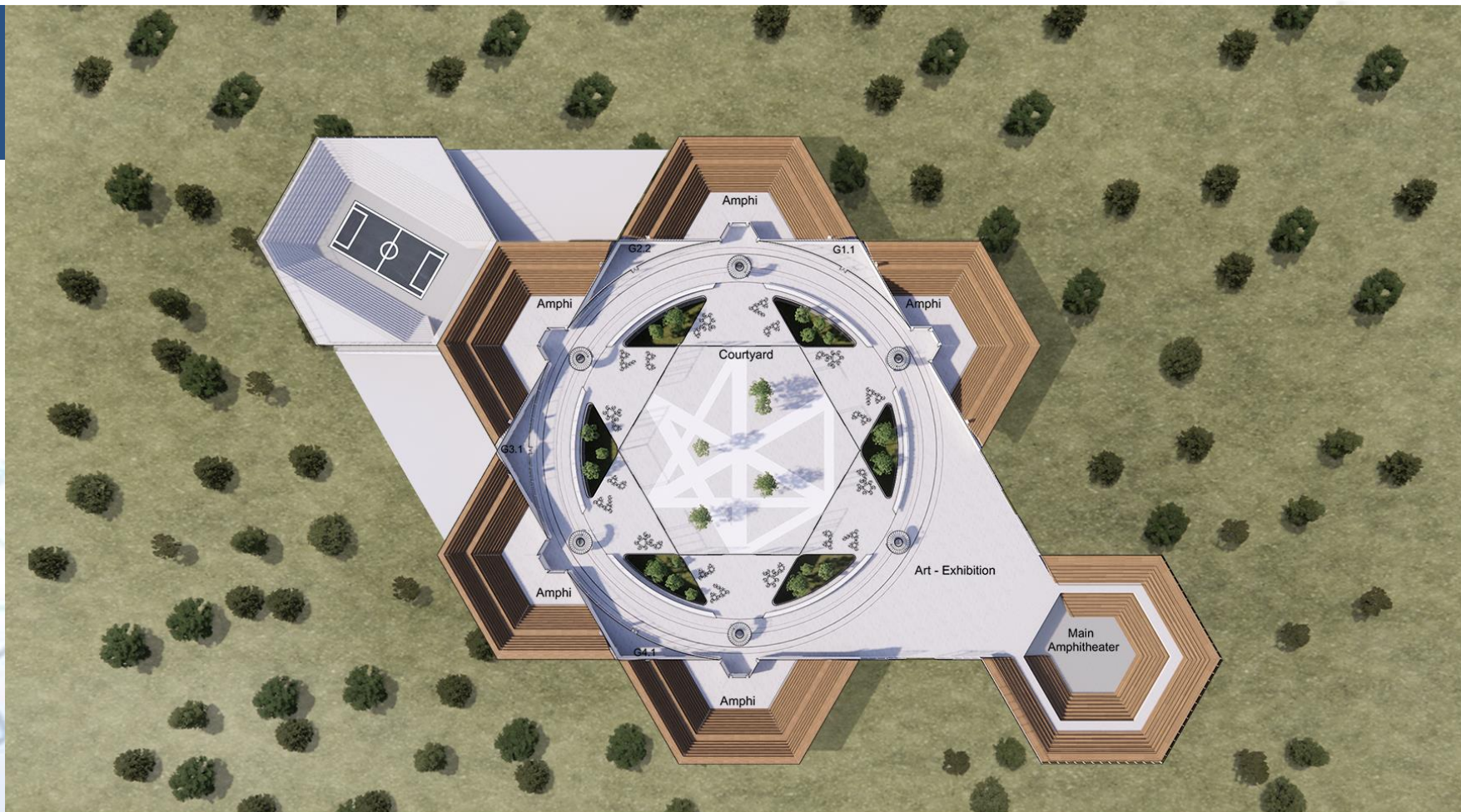


## MAIN LABS

- B1.1 Main Biology Lab
- B1.2 Main Chemistry Lab
- B2.1 Main Physics Lab
- B2.2 Main Mathematics Lab
- B3.1 Main Construction and 3D printers Lab
- B3.2 Main Environmental Lab
- B4.1 Main Robotics Lab
- B4.2 Main Computing and Software Lab
- B5.1 Main Prototype Development Lab
- B5.2 Main VR Centre Lab
- B6.1 Main Skills and Talent Development Lab
- B6.2 Main STEAME Communication Lab

BASEMENT  
1:2000 @ A4



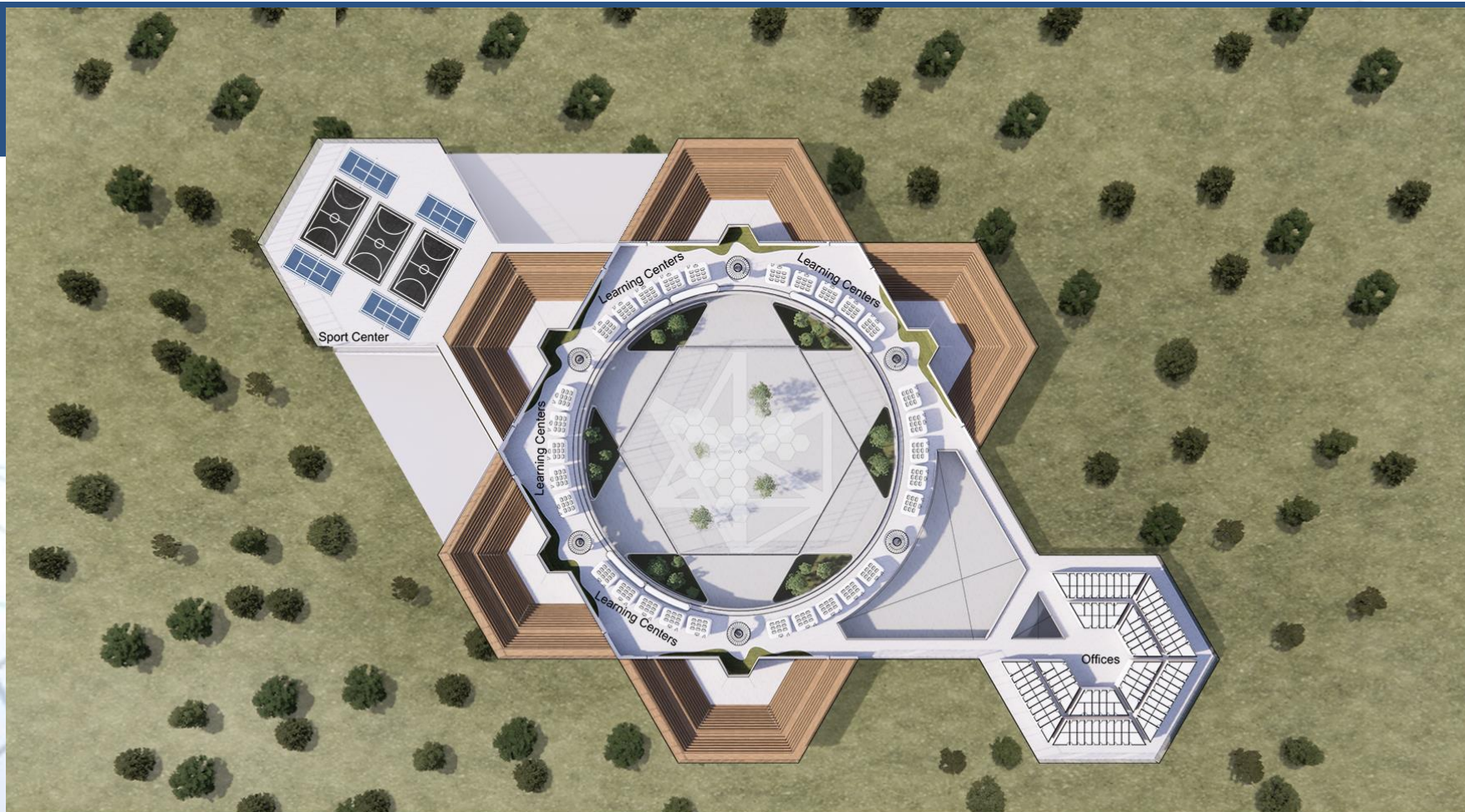


## Satellite Labs

- G1.1 Robotics – Computing –Multimedia S-Lab
- G2.2 Construction- Environmental S-Lab
- G3.1 Biology-Chemistry S-Lab
- G4.1 Physics-Mathematics S-Lab

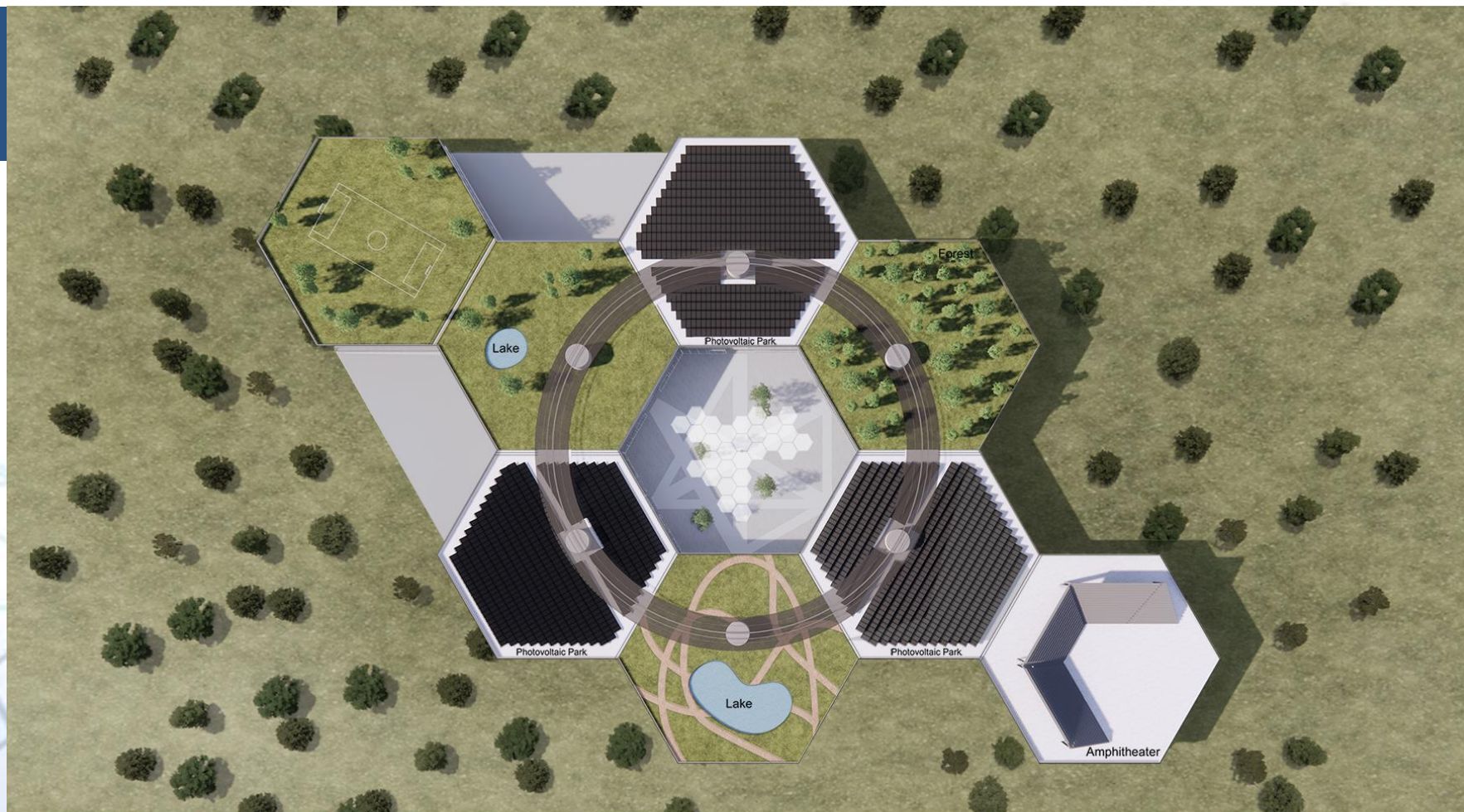
GROUND FLOOR  
1:2000 @ A4





1st FLOOR  
1:2000 @ A4





ROOF  
1:2000 @ A4



## STEAME BASEMENT

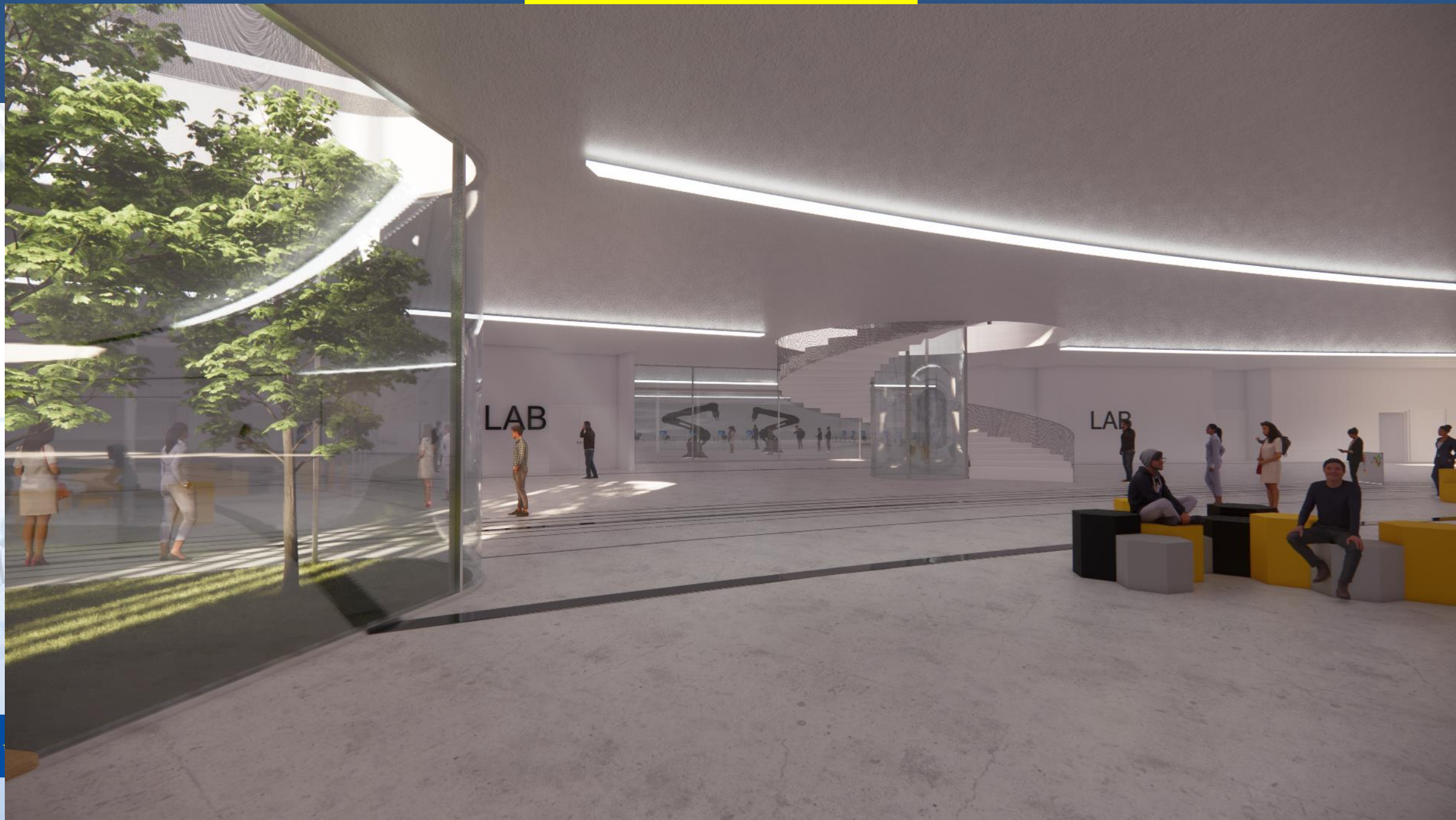


# MULTI-SPORTS FIELDS OF THE FUTURE

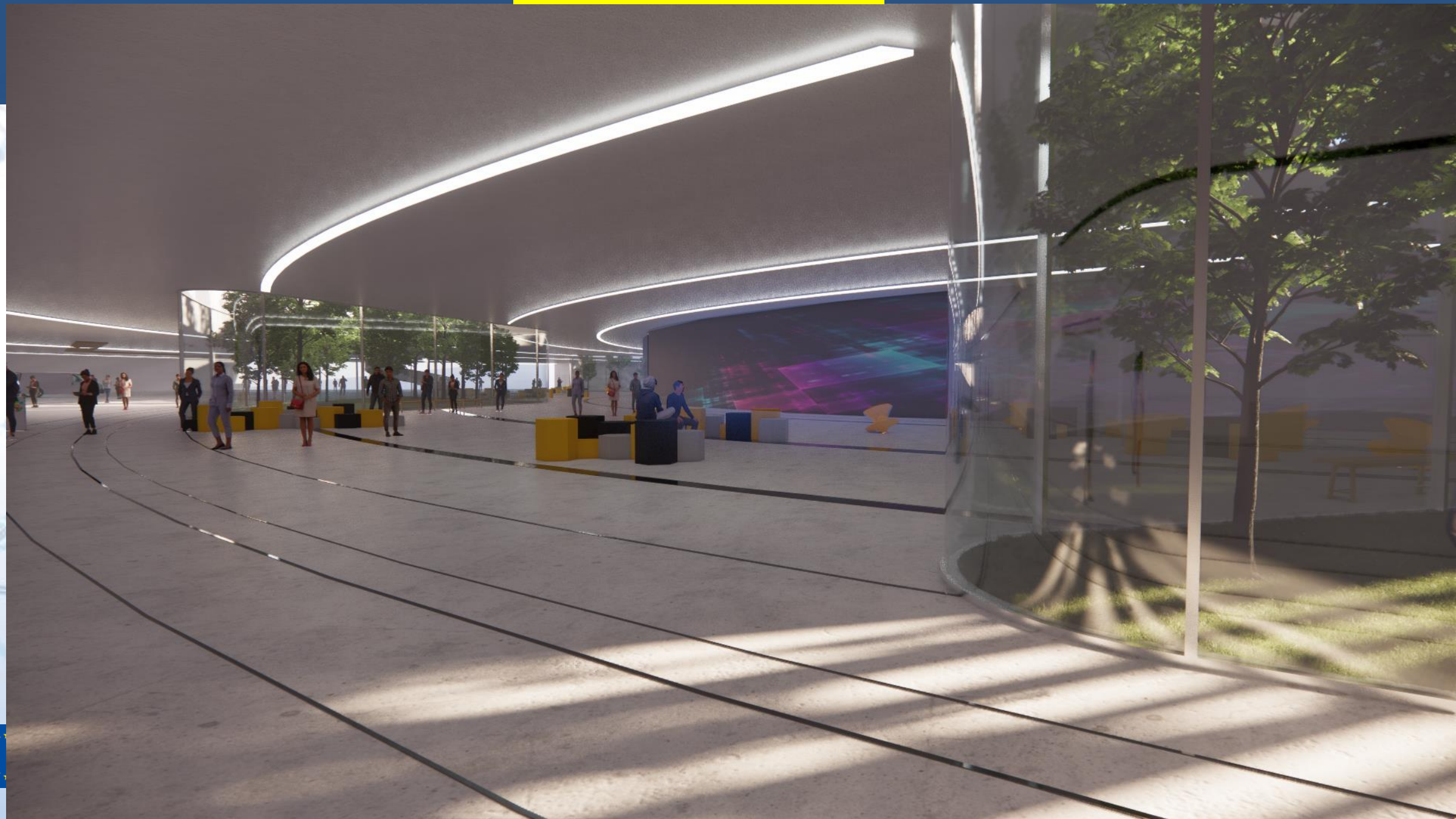
[VIDEO](#)



## STEAME BASEMENT LABS









## GROUND FLOOR





# GROUND FLOOR LEARNING STATIONS





## FIRST FLOOR LEARNING ROOMS





## FIRST FLOOR



# FIRST FLOOR





## FIRST FLOOR STEAME TRAIN





AMPHITHEATER 5





## FIRST FLOOR STEAME TRAIN





## FITST FLOOR LEARNING ROOMS





## FITST FLOOR LEARNING ROOMS



## FITST FLOOR LEARNING STATIONS



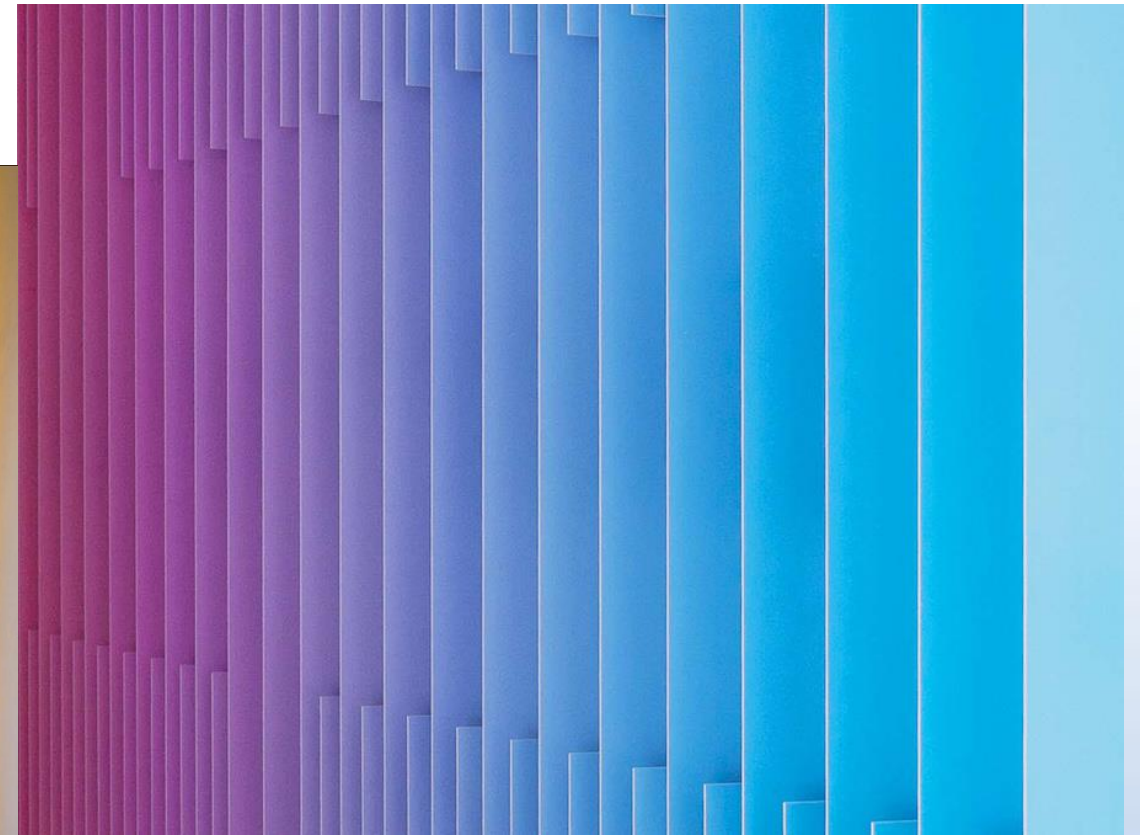


## FITST FLOOR VIEW

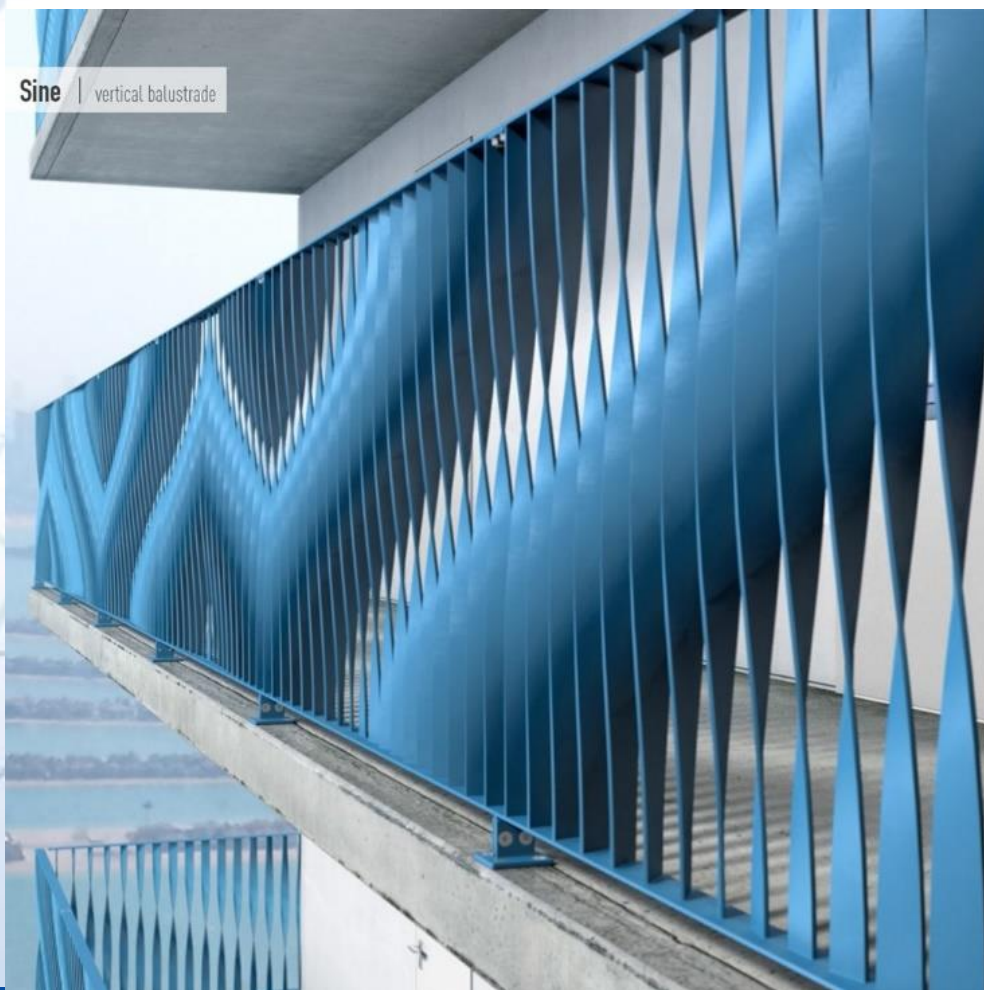




Colour of School changes every day



# Colour of School changes every day

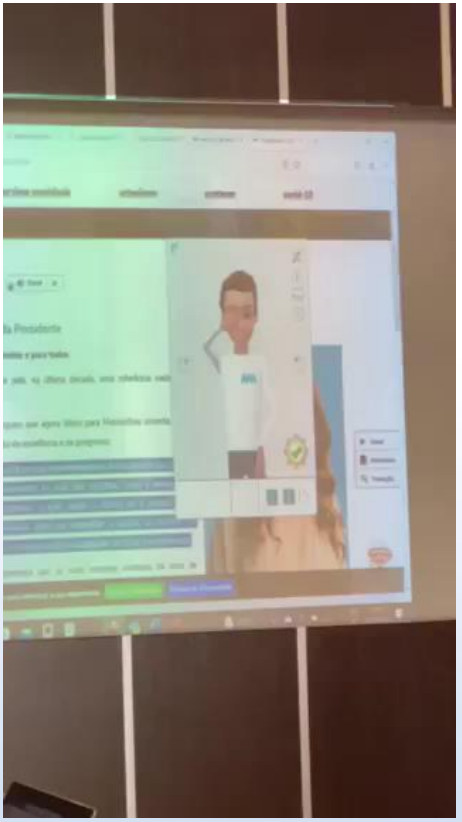




## International Sign Language (IS) to be learned by all



**InSign- Advancing inclusive education through International Sign**





# Architectural Designs in short animation



SEAMLEXITY

ADVANCED GEOMETRY INTEGRATION

[www.seamlexity.com](http://www.seamlexity.com)

# STRATEGIC ACTIONS

(The paradigm shift of school learning environments)

How can we change current learning structures in schools into STEAME project based learning structures?

***3 Steps for change to the future  
from Education 2.0 to Education 4.0***



# STRATEGIC ACTION 1

(The paradigm shift of school learning environments)

➤ **Step 1. Secure digital learning through learning videos created by teachers. Learning videos in 3 speeds. To become available thought Learning Stations and Learning Rooms.**

## STRATEGIC ACTION 2

(The paradigm shift of school learning environments)

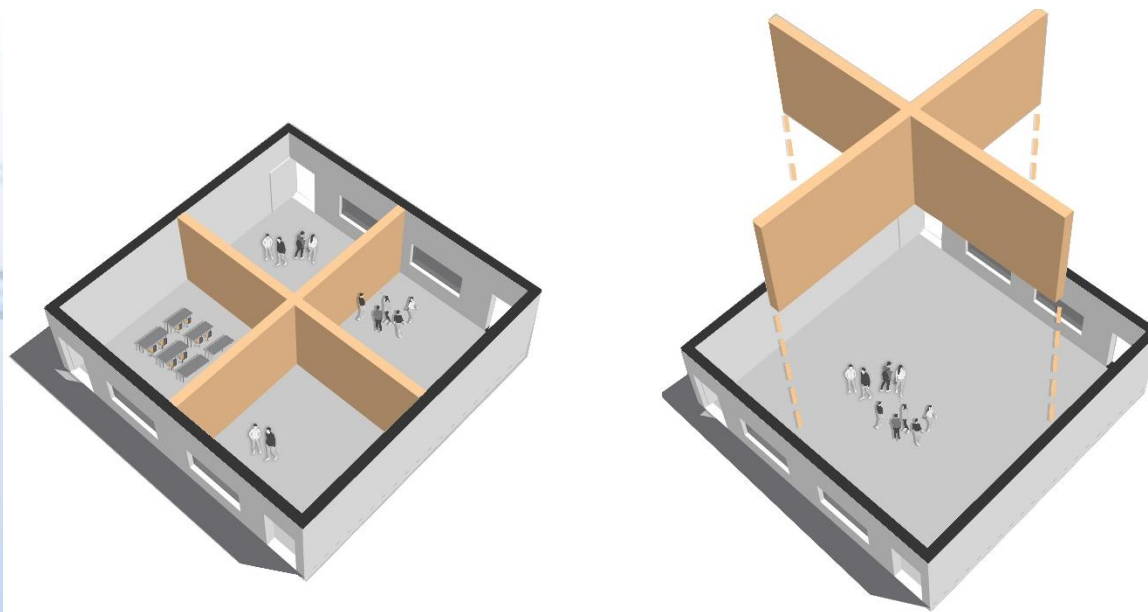
➤ **Step 2. Train teachers how to cooperate between different disciplines and how to develop(co-create) STEAME Learning & Creativity plans. Train teachers how to cooperate with academic and industry and how to do STEAME related activities in hybrid environments.**

**Give teachers freedom to create. Give students freedom to create.**

## STRATEGIC ACTION 3

(The paradigm shift of school learning environments)

➤ **Step 3. Create open spaces in current schools or build the new schools with more open spaces for project based cooperative work between students. Create appropriate laboratories for creative work.**





(The paradigm shift of school learning environments)

How can we change current learning structures in schools into STEAME project based learning structures?

## 3 Steps for change from Education 2.0 to Education 4.0

- Step 1. Secure digital learning through learning videos created by teachers.
- Step 2. Train teachers how to cooperate between different disciplines and how to develop(co-create) STEAME Learning & Creativity plans. Train teachers how to cooperate with academic and industry and how to do STEAME related activities in hybrid environments. Give them freedom to create.
- Step 3. Create open spaces in current schools or build the new schools with more open spaces for project based cooperative work between students.

# Building more blocks Creating the critical mass

# Project

## STEAME GOES HYBRID

### Blueprint Guidelines and Policy Recommendations

Started on 1 May 2021





# STEAME GOES HYBRID

## Blueprint Guidelines and Policy Recommendations

- O1: Blueprint Guidelines for Hybrid STEAME activities
- O2: Training Programme for facilitating the implementation of STEAME L&C Plans by SE teachers and Piloting the Blueprint Guidelines
- O3: STEAME HYBRID Blueprint at a glance : Policy Recommendations and School Label Development

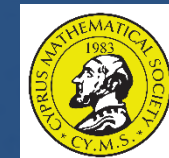




## Completing the puzzle



Erasmus+



Erasmus+

### NEW PROJECTS

**ETRE:** Empowering schools' transition readiness to a distance/hybrid learning model enhanced by cloud technology tools (<http://etre-project.eu/> )

Started on 1 June 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





# Erasmus+

Started on 1.1.2022

## BYOD-Learning

Learning at Any Time, at Any Place via any Device

**R1- European Platform of Video Lessons** hosting videos accessible by teachers, students at any time and any place and through any device applying an approach of BYOD (Bring Your Own Device).

**R2- Methodology and specifications for the design of the video lessons** and set of digital tools and guidance on the digitalisation of the educational content to facilitate the learning process

**R3- Training course for supporting teachers and educators to digital transformation** through development of digital readiness, resilience and capacity in mathematical education

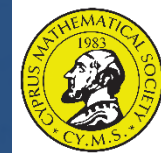




# Completing the puzzle



Erasmus+



Erasmus+

**TTF**

**Teach the Future**

**Started on 1 January 2022**

R1. Report: Teaching the future – climate, citizenship and digital teaching – curriculum and pedagogical guidelines

R2. Digital data dashboard for accessing climate data / information

R3. Teach The Future Teacher training course



**$E=MD^2$**   
**Excellence in Math Education through  
(e-)Debate and Diversity**  
**Starting on 1 February 2022**



Erasmus+

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

**Starting on 1 February 2022**

- **R1. AI Teaching Guide for teachers facilitating the learning of students in grades 7-12**
- **R2. Training Course for Facilitators of learning in AI-STEAME Education**
- **R3. Dynamic Online Learning Environment with OER on AI in interdisciplinary STEAME school subjected with a set of Blueprint Policy Recommendations**

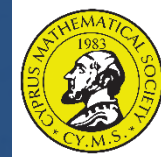




*Completing the puzzle*



Erasmus+



Erasmus+

Expecting results

**STEAME ACADEMY**

**STEAME TEACHER FACILITATORS ACADEMY**

**KA2 PROGRAMME TEACHER ACADEMIES**

**Submitted 7 September 2021**

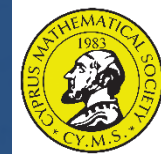




*Completing the puzzle*



Erasmus+



Erasmus+

Expecting results

# European STEAME School Students Community

KA2 Small Scale project

Submitted 3 November 2021



***New proposal to be submitted in 2022***

## STEAME-PARENTS

***And the Puzzle of the **Paradigm Shift** would probably be completed***

***The yeast is ready.....lets make the bread!***



**Students are  
ready,  
.....we are  
not ready for  
them!**



**We invest in the development of competence and skills**

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



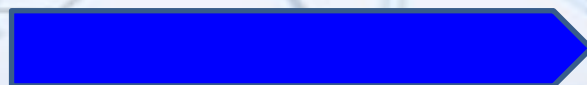
## Some Important Related Events

# EUROMATH & EUROSCIENCE 2022

Conference for school students and their teachers

27 June – 1 July 2022, in Thessaloniki, Greece

Watch Video – 60 sec



[www.euromath.org](http://www.euromath.org)





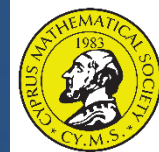
## More STEAME Opportunities and challenges

### ***The EUROPEAN STEAME Communication Competitions***

- For adults, with international participation
- Pre-video submission for phase 1 is required
- Communicate STEAME Subjects in 5 minutes and win your place at the finals of the European STEAME Communication Competition 2022



# Journalistic Article Competition for School Students



**For students of ages 10-19, Deadline 2 May 2022**



**THEME**

**“The Role of Mathematics in STEAME Education”**



# European Comic Poster Competition in STEAM 2022

**For students of age 14-18**





# STEAME SUMMER CAMP 2022

25-30 July 2022, Agros, Cyprus

[www.thalescyprus.com](http://www.thalescyprus.com)

For grades 4-9 (Ages 10-15)



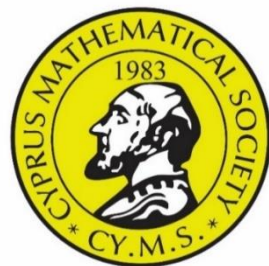
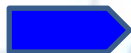
INNOMATH  
MID DAY  
2022



**FOLLOW US .... [WWW.STEAME.EU](http://WWW.STEAME.EU) ...** **Subscribe to our NEWSLETTERS**

## **STEAME Partners**

**FB: STEAME**



**[projects@cms.org.cy](mailto:projects@cms.org.cy)**  
**[makrides.g@eaecnet.com](mailto:makrides.g@eaecnet.com)**



**Prof. Ivan Apostolov**  
**ENGLISH LANGUAGE SCHOOL**



**Project Number: 2019-1-CY01-KA201-058240**

# Thank you!

[www.steame.eu](http://www.steame.eu)

[makrides.g@eaecnet.com](mailto:makrides.g@eaecnet.com)



## SCIENTIX

The community for science  
education in Europe