



ERASMUS+
2023-1-R001-KA121-SCH-000113618

FROM STEM TO STEAM EDUCATION: A NEW LEARNING APPROACH

11 - 16 MARTIE 2024, AMSTERDAM, OLANDA

**ORGANISATION: EUROPASS TEACHER ACADEMY, MOLINOS DE
VIENETO**

PARTICIPANȚI:

PROF. DR. ING. CARMEN CEZARINA BURLIBAȘA

PROF. ING. CRISTINA DANIELA DĂNILĂ

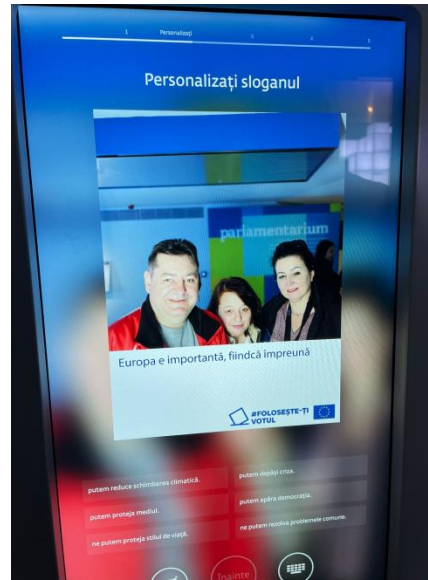
PROF. ING. CĂTĂLIN MIHAI COSTAȘ

PROF. ING. GEORGIAN COSMIN PINTILIE

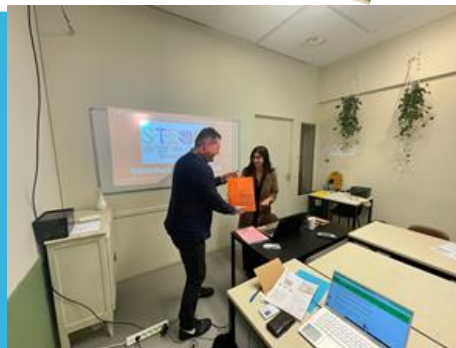
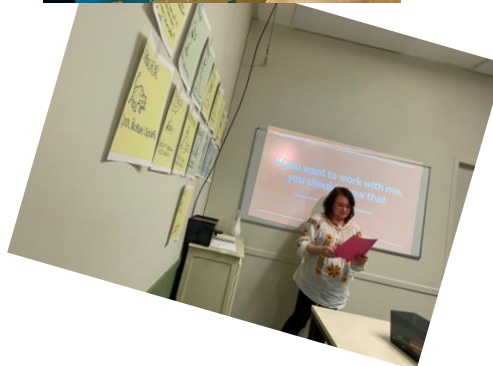
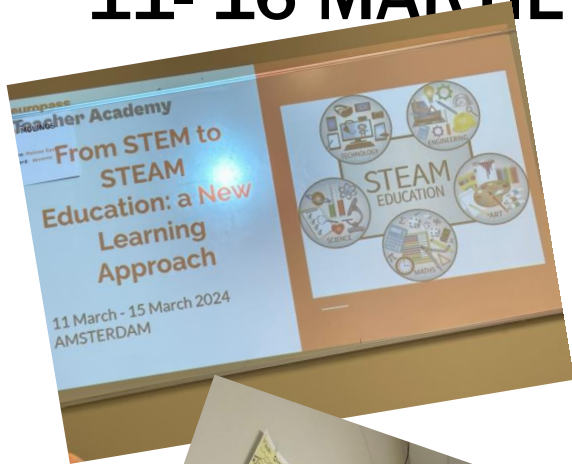


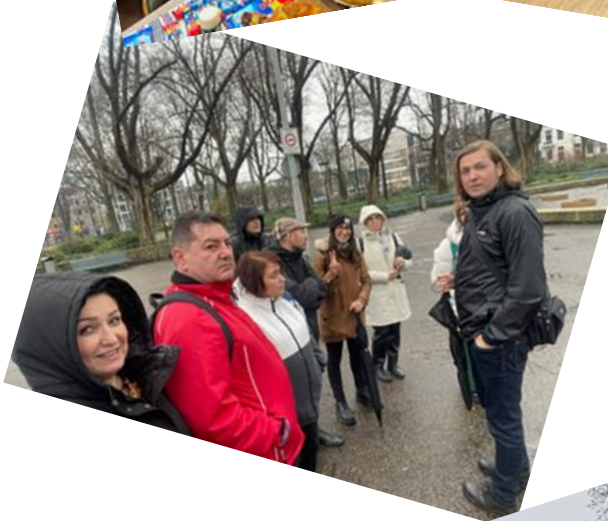
**Funded by
the European Union**

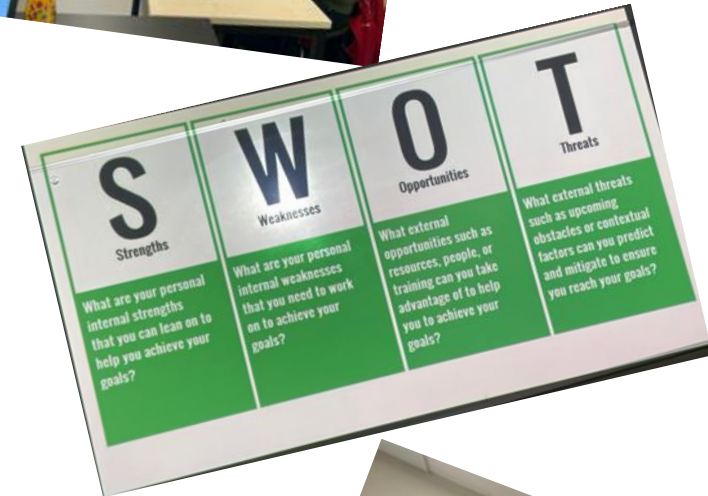
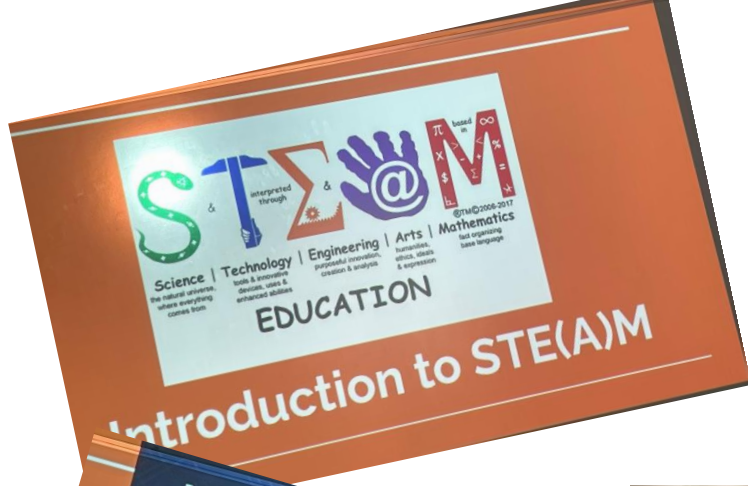
BRUXELLES, BELGIA

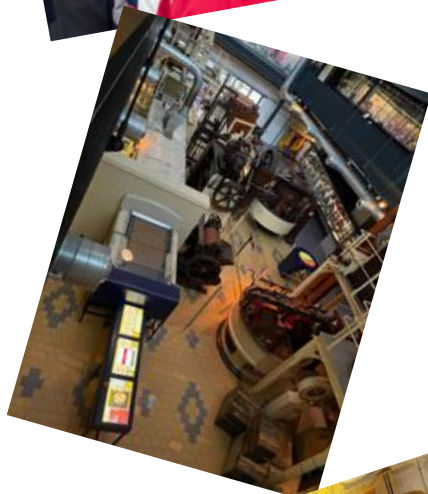


11- 16 MARTIE 2024, AMSTERDAM, OLANDA










Why is it STEM vs STEAM and not STEM & STEAM

- STEAM is Just a Trend from the United States
- STEAM is Only for Artistic Students
- STEAM Dilutes STEM Knowledge
- STEAM is Only for Primary Education
- STEAM is a Standalone Curriculum
- STEAM is Only About Creativity
- STEAM is Exclusively for "Gifted" Students



5 Myths about STEAM Learning


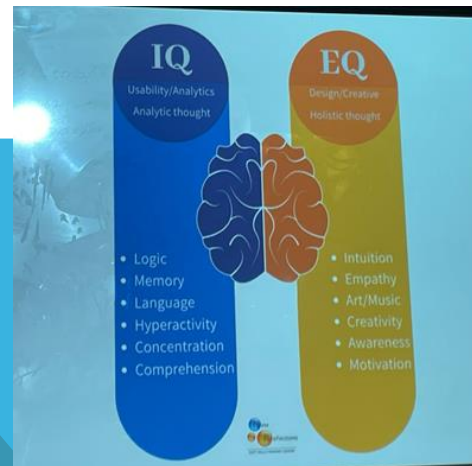
- ✗ "We don't really have any budget for all those flashy robots" → STEAM is about integrated problem solving and can be completely 'unplugged' ✓
- ✗ "You need a dedicated room, don't you?" → STEAM reaches its potential for impact when embedded in all classrooms. ✓
- ✗ "The E isn't something we need to focus on at our level." → Engineering is the intersection between 'Science' and 'Technology,' i.e. 'making'. ✓
- ✗ "The A just confuses things and dilutes the science focus." → The 'A' involves all the humanities, including ethics and societal impact. ✓
- ✗ "Just give it to the students and let them 'go for it!'" → The teacher's role is to guide, scaffold, instruct and encourage - critical to success! ✓

© Using Technology Better LTD @markherringnz




Storyboarding

- The first step in creating a digital story is to make a storyboard.
- A storyboard requires you to think about your project scene by scene and all the details, like text overlays, narration, transitions between scenes, music, and titles and credits.
- Storyboard Example: <http://medi7490-visualandmedialiteracy-project3.wikispaces.com/>
- Don't forget . . . The elements and principles of visual design and good layouts apply to all visual messages, so they apply to our digital story, too.

Digital Storytelling Process



Step One: Come up with an Idea, Write a Proposal

Step Two: Research, Explore, Learn

Step Three: Write Script

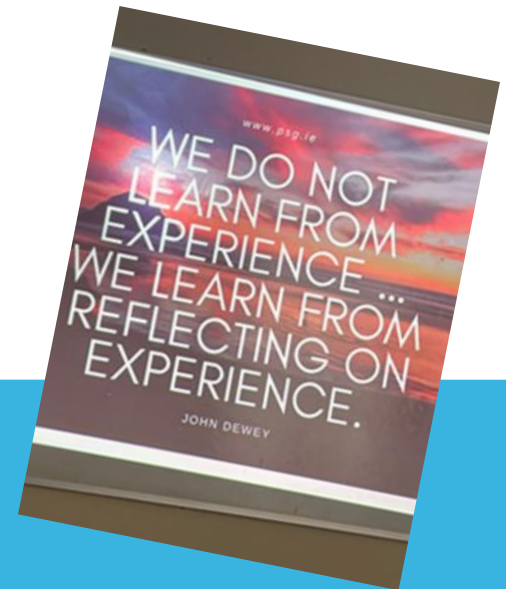
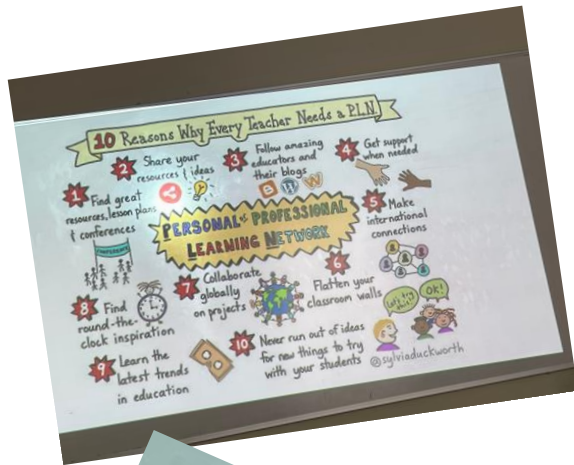
Step Four: Storyboard/Plan

Step Five: Gather/Create Images, Gather/Create Audio, Gather/Create Video

Step Six: Put It All Together

Step Seven: Share

Step Eight: Feedback and Reflect









Funded by
the European Union

FROM STEM TO STEAM EDUCATION: A NEW LEARNING APPROACH

11 - 16 MARTIE 2024, AMSTERDAM, OLANDA

ORGANISATION: EUROPASS TEACHER ACADEMY, MOLINOS DE VIENTO

PARTICIPANȚI:

PROF. DR. ING. CARMEN CEZARINA BURLIBAȘA

PROF. ING. CRISTINA DANIELA DĂNILĂ

PROF. ING. CĂTĂLIN MIHAI COSTAȘ

PROF. ING. GEORGIAN COSMIN PINTILIE

VĂ MULȚUMIM PENTRU ATENȚIE!

ERASMUS+ 2023-1-R001-KA121-SCH-000113618