



BLOOMiNG DiGiTAL!

Improving Post-Primary students' digital competencies through the creation of digital artefacts

Bloom

Verb /blu:m/

- To grow and develop
- To flourish or thrive
- To produce or yield blossoms

Noun /blum/

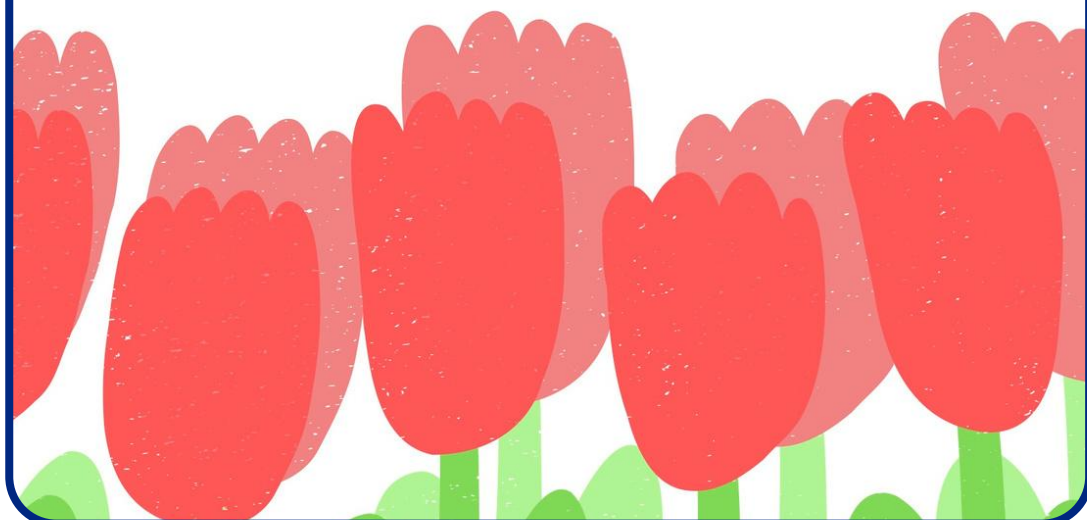
- A flower, especially one cultivated for its beauty
- A state of greatest freshness or vigour

Adjective *Blooming* /blu:miŋ/

- Thriving in health, beauty and vigour
- An exclamation used for emphasis

Bloom's /Taxonomy/

- A hierarchical framework for cognition and learning objectives



Blooming Digital!
Enriching lives, opening minds

Erasmus+

ROMANIA

IRELAND

TURKIYE

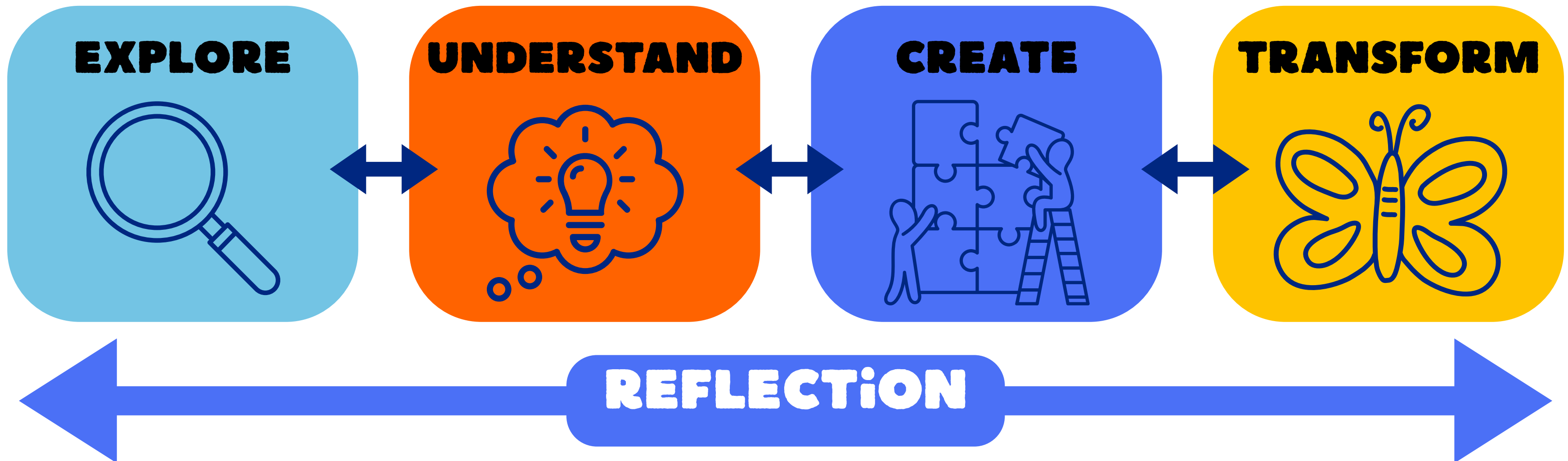
PORTUGAL

BLOOMiNG DiGiTAL OBJECTiVES

- To enhance students' and teachers' proficiency in using digital technologies for innovative and creative purposes
- To promote educational and digital equality by fostering the exchange of knowledge and skills among institutions of diverse socio-economic backgrounds.
- To cultivate students' and teachers' educational entrepreneurial skills, focusing on risk taking, collaboration and creativity
- To produce a variety of digital artefacts that offer students a chance to work collaboratively with their European peers and share best practices and experiences

METHODOLOGICAL APPROACH

Educational Entrepreneurial Approach (EEA) to
Action Research (Crottu. 2014)



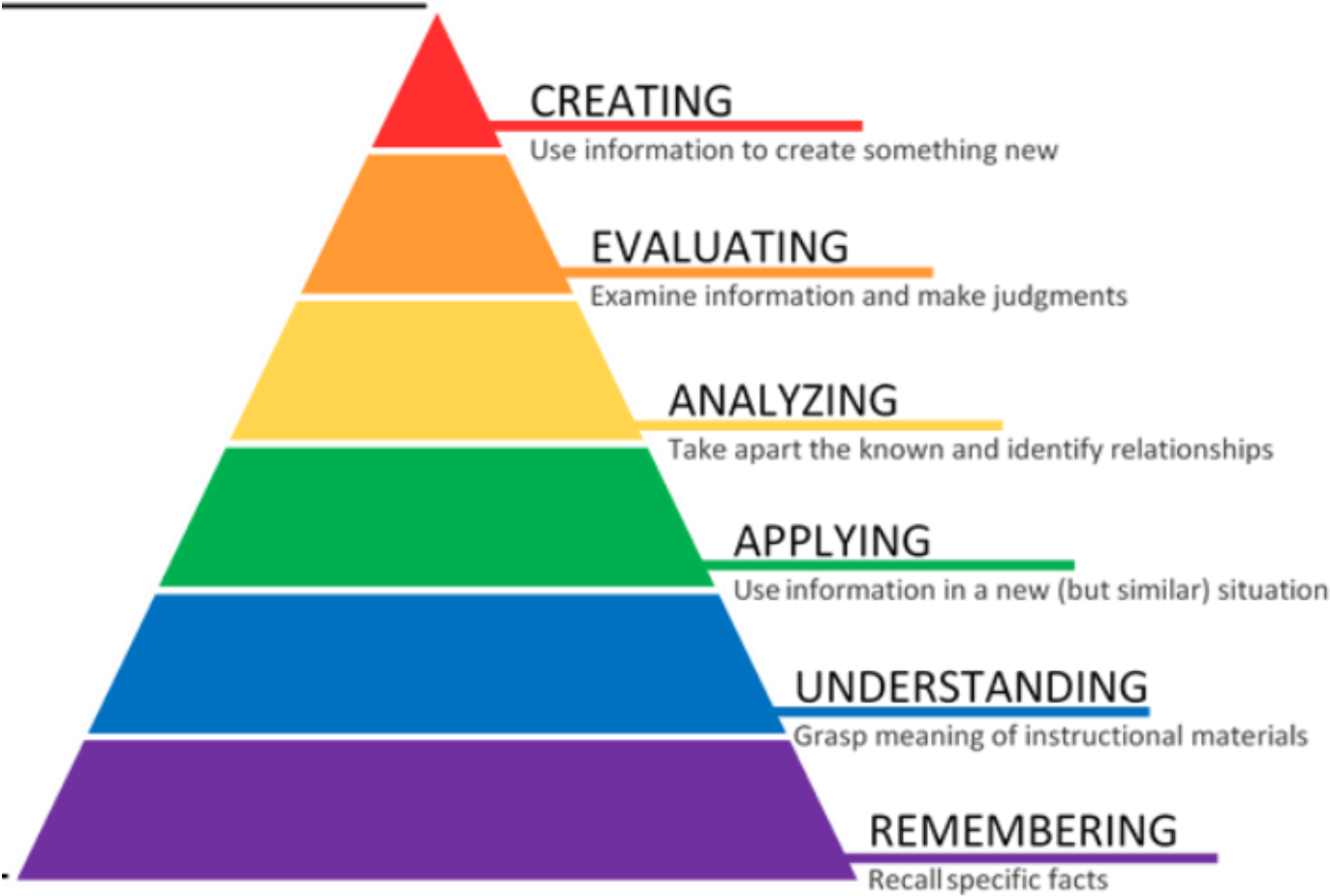
EXPLORE

FRAMEWORKS

EU DiGi COMP FRAMEWORK



BLOOM'S TAXONOMY (REVISED)



EXPLORE

WORK CONTEXTS



Ollscoil Chathair
Bhaile Átha Cliath
Dublin City University

- Universitu
- Institute of Education
- Masters in Training and Education Management (eLearning)



- Dublin, Ireland
- Post-primary School
- Urban
- Area of socio-economic disadvantage



ȘCOALA GIMNAZIALĂ 56

- Bucharest, Romania
- Post-primary School
- Urban
- Area of socio-economic advantage



AGRUPAMENTO DE
ESCOLAS DE TABUAÇO

- Tabuaço, Portugal
- Post-primary School
- Rural
- Area of socio-economic disadvantage



- Tokat, Türkiye
- Educational centre for students who are gifted and talented in the area of STEM



EXPLORE

VALUES

The Educational Entrepreneurial Approach (EEA) to Action Research is 'values driven experiential learning' (Crottu and Kilbou. 2015)

CREATiViTY

**DiGiTAL
EQUALiTY**

**STUDENT
CENTRED
APPROACHES**

Our shared values aided 'Blooming Digital!' and the actions taken within the project.

EXPLORE/ UNDERSTAND

PERCEPTIONS



	Romania	Turkiye	Portugal	Ireland
Access to digital tools				
In school?				
At home?	70%	50%	83%	56%
Student Digital Competence? Teacher perception				
Safe Behaviour	3.8	5	3.8	2.9
Responsible Behaviour	4.1	5	4.1	2.8
Checking quality of information	4	5	4	2.7
Giving Credit to others	3.9	5	3.9	2.5
Creating Digital Content	3.8	5	3.8	2.9
Learning to communicate	4	5	4	3.2
Student Digital Competence? Student perception				
Safe Behaviour	4.5	2.5	4.5	3.5
Responsible Behaviour	4.3	3	4.3	3.5
Checking quality of information	4.4	3.3	4.4	3.4
Giving Credit to others	4.1	3.8	4.1	3.1
Creating Digital Content	4.4	3.5	4.4	3.1
Learning to communicate	4.4	2.8	4.4	3

UNDERSTAND

THE PROBLEM/ iSSUE

**TEACHER
OBSERVATIONS &
SELFIE DATA**

LITERATURE

**CONSUMERS OF
DIGITAL CONTENT**



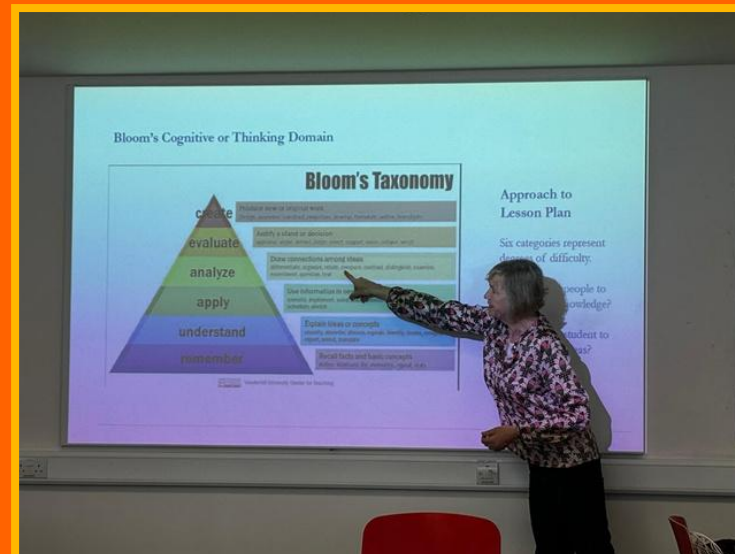
**NOT ENGAGING WITH
DIGITAL TOOLS IN
CREATIVE OR CRITICAL
WAYS**

**LOWER LEVELS OF
BLOOM'S TAXONOMY
(REMEMBER,
UNDERSTAND, APPLY)**

**LIMITED OPPORTUNITIES IN
SCHOOL TO DEVELOP
DIGITAL COMPETENCIES**

UNDERSTAND

TRAINING EVENT IN DCU



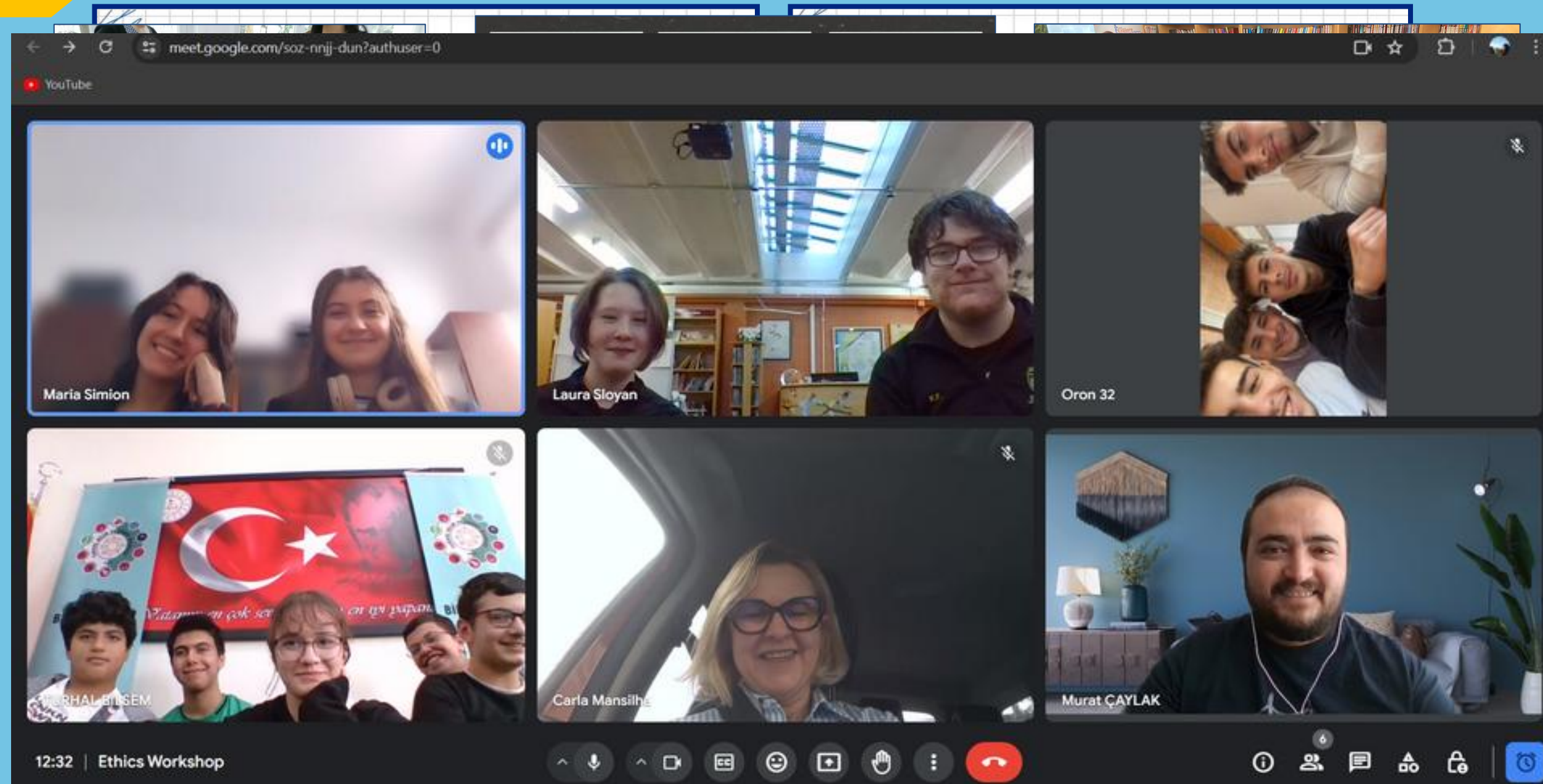
DEVELOPING A SHARED UNDERSTANDING OF:

- Our educational values
- Our cultures
- Our work contexts
- Our individual skills and expertise
- How to use relevant software (Canva. Audacitu. ClipChamp. Storuboardina. AI to create learninga objects)



UNDERSTAND

STUDENTS' ETHICS WORKSHOPS



STUDENTS' COLLAB

TRAINING

CREATE

DIGITAL POSTCARDS



TEACHER OBSERVATIONS

CREATE

PODCASTS



SUSTAINABILITY



RESEARCH

Biodiversity

Sustainable Fashion

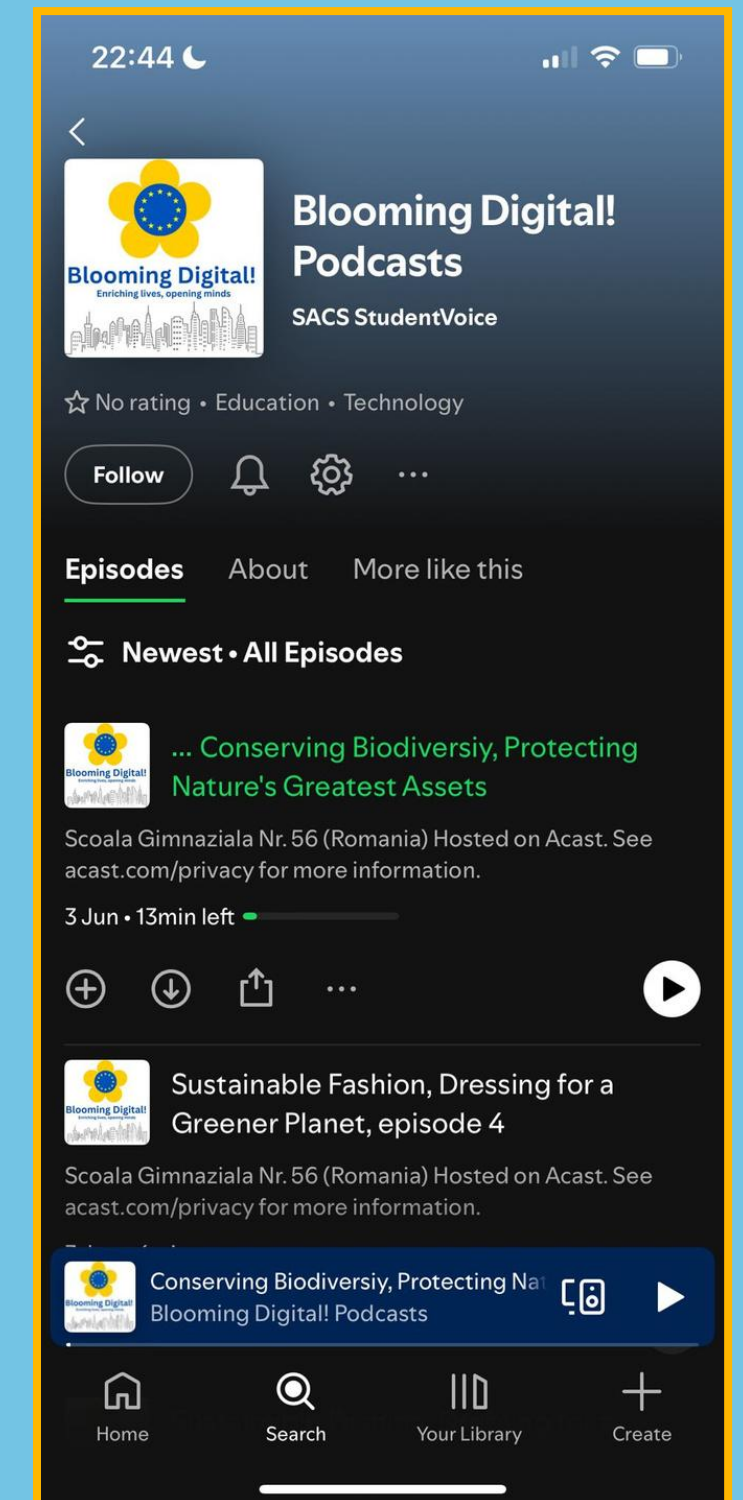
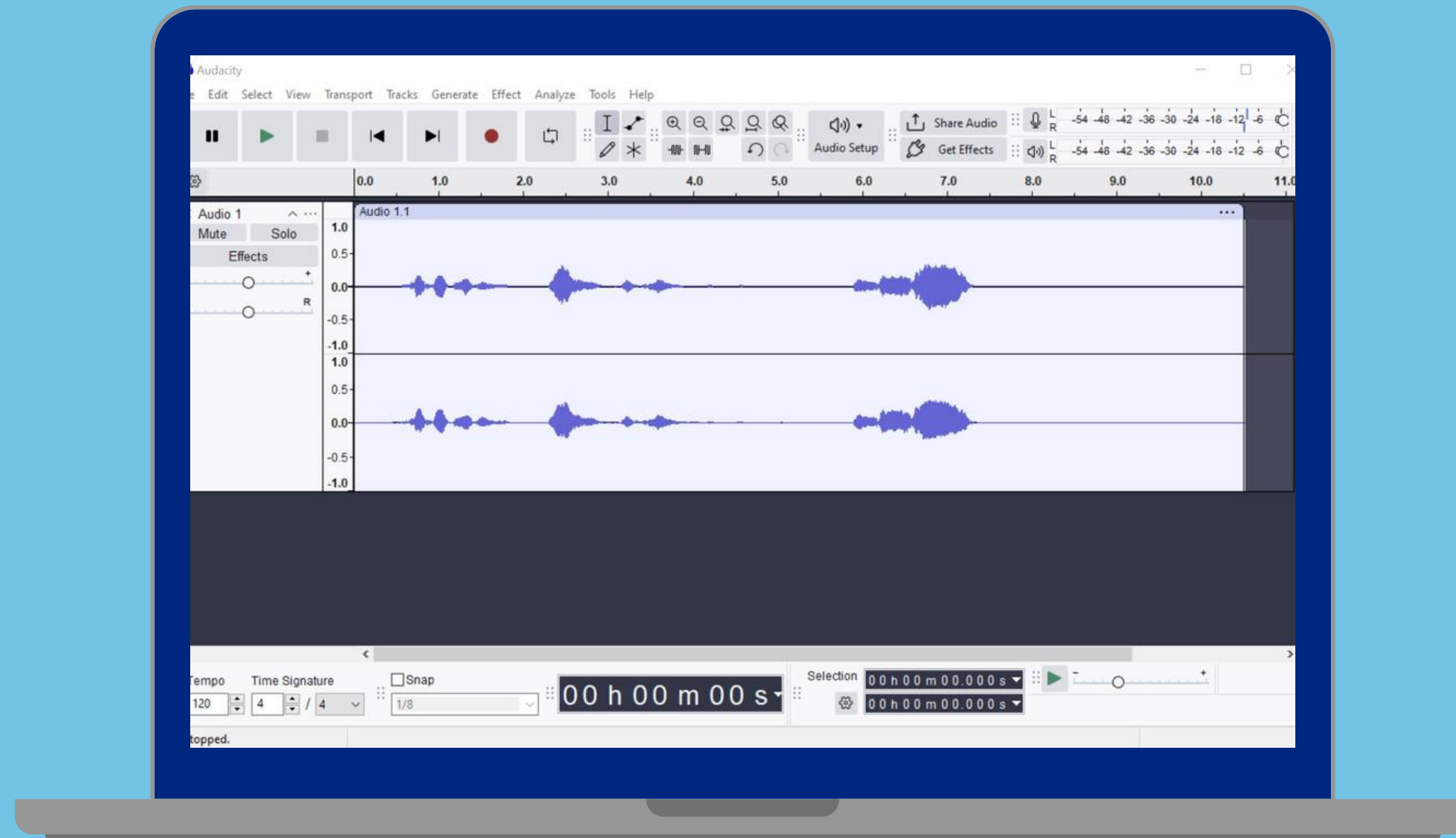
Renewable Energy

Zero Waste Lifestyle

Greener Cities

CREATE

PODCASTS



CREATE

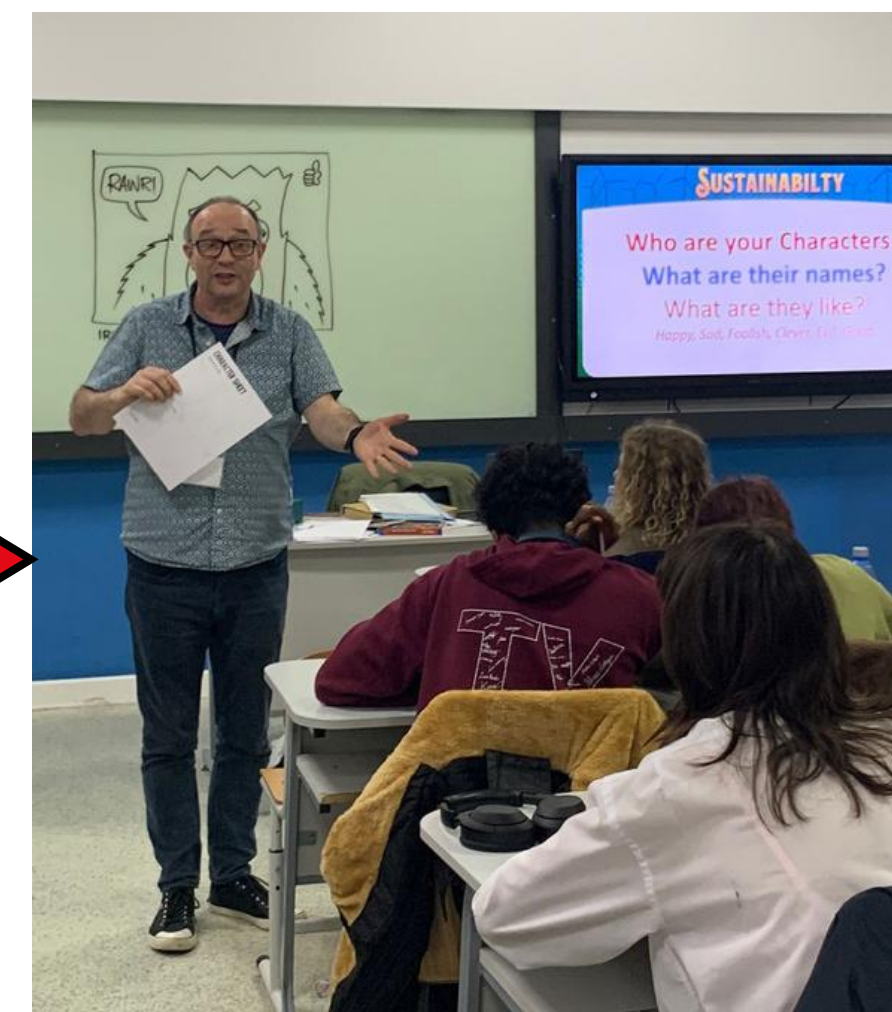
EBOOK



Based on podcasts



Student/ teacher trip
to Bucharest



Facilitated by Irish
Author. Alan Nolan

CREATE

COLLABORATION

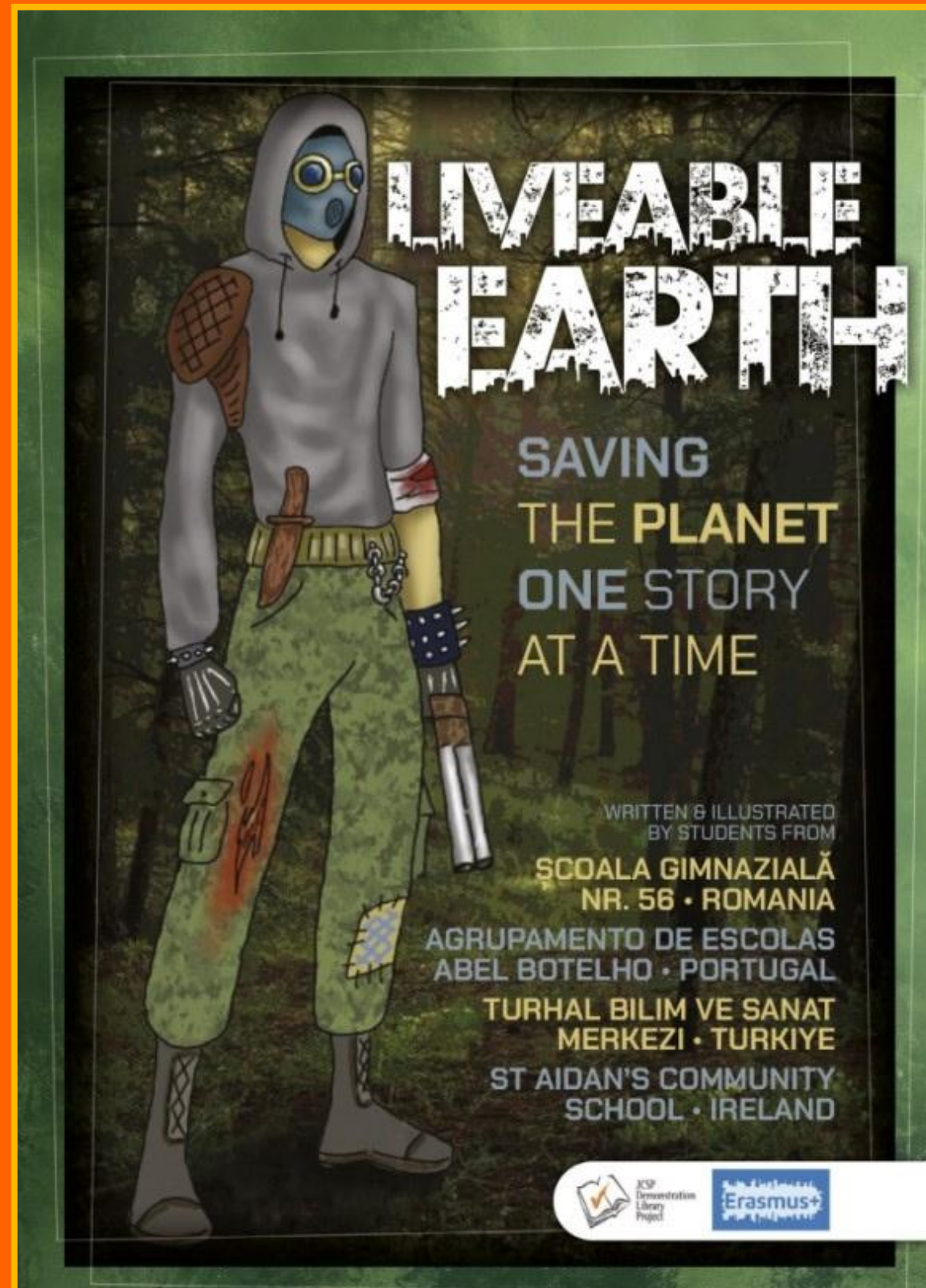
CREATIVITY

RISK

PEER VALIDATION

CRITICAL THINKING

EBOOK



DiGiCOMP FRAMEWORK

- ✓ Problem Solving
- ✓ Info and data literacy
- ✓ Communication and collaboration
- ✓ Digital Content
- ✓ Creation
- Safety

CREATE

AI GENERATED MOVIES

LTX Studio

Pika



TRANSFORM

DIGITAL COMPETENCIES



OPPORTUNITIES

Creating

Evaluating

Analyzing

Applying

Understanding

Remembering

DiGiCOMP FRAMEWORK

- ✓ Problem Solving
- ✓ Info and data literacy
- ✓ Communication and collaboration
- ✓ Digital Content
- ✓ Creation
- Safety



TRANSFORM

STUDENT PERCEPTIONS

...Not only did I get to contribute to creating a podcast and an eBook, which I had never done before, but I also got to strengthen friendships with amazing people.

"Podcasting is a great way to explore new art forms in an engaging and creative way. It almost doesn't feel like work"

The whole process enhanced my technical skills... I had never worked with Canva before, but now I am quite confident and comfortable using it.



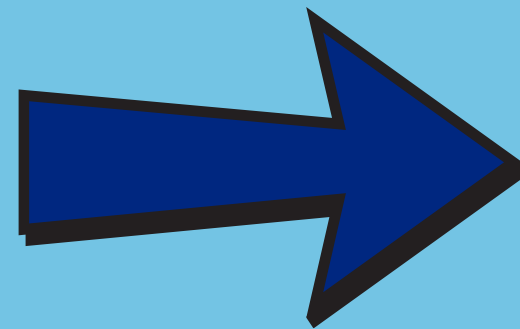
**SELFIE DATA INDICATES
THAT STUDENTS'
PERCEPTIONS OF THEIR
DIGITAL COMPETENCIES
HAVE IMPROVED**

TRANSFORM

REFLECTIONiONS



DIGITAL COMPETENCIiES



CURRICULUA