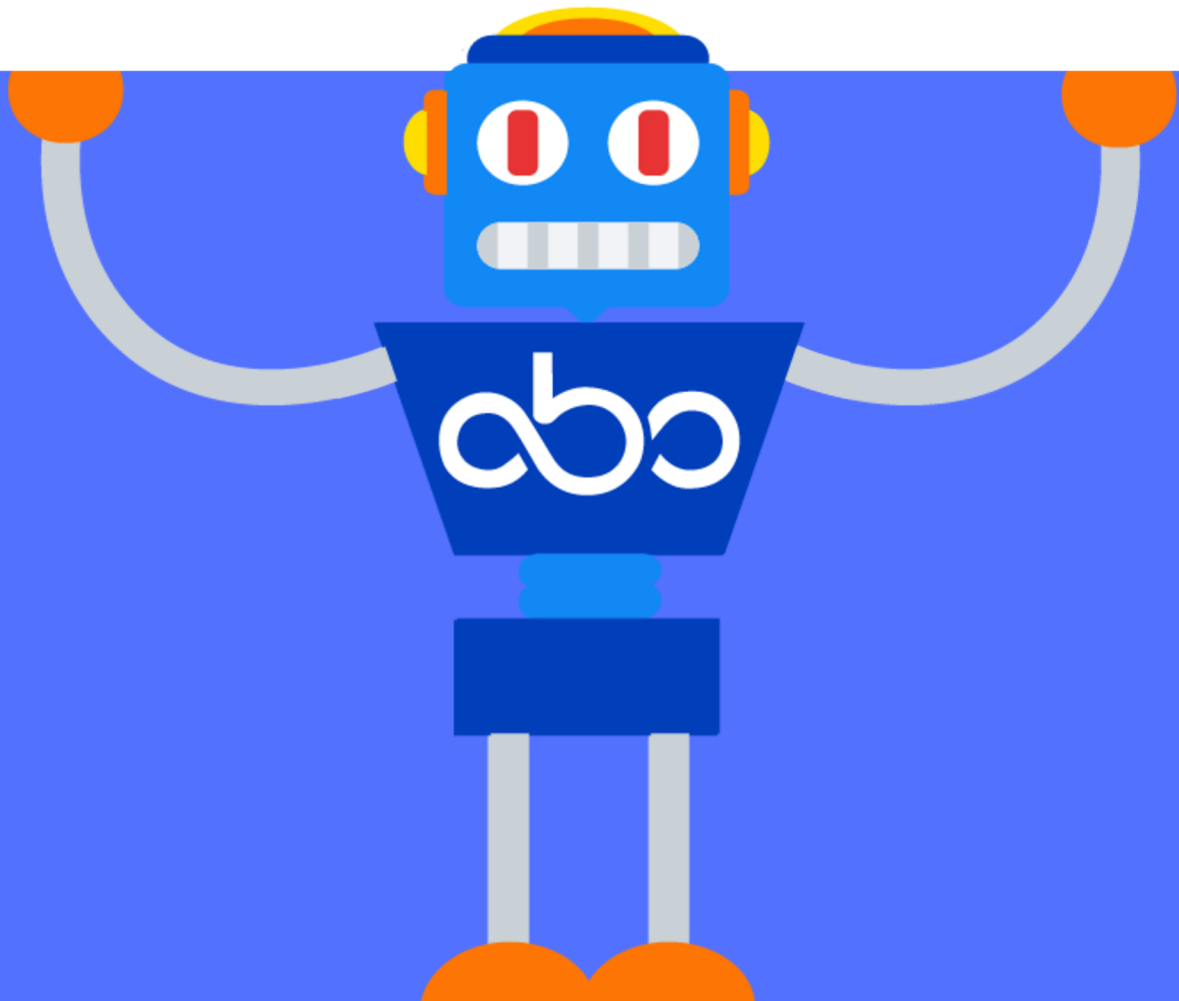
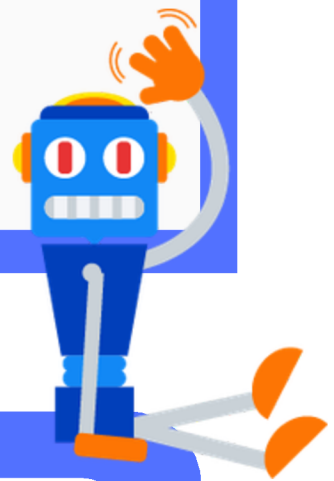
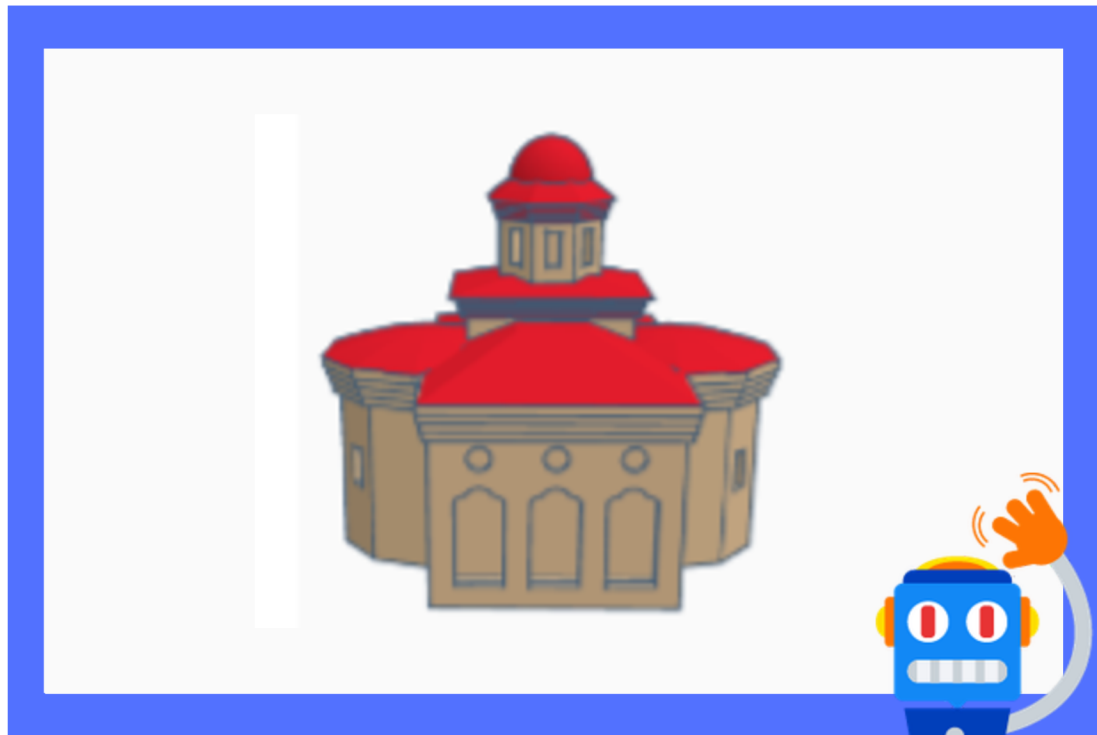




EU FOR ALL

Using Sustainable Entrepreneurship to Rebuild European Heritage for Everyone





BUCAREST · RUMANIA



STAVROPOLEOS CHURCH





The resources of the EU FOR ALL project, including the materials kit, 3D models, and educational proposals, are undergoing continuous improvement.

We are constantly working to incorporate new ideas, adjustments, and contributions from the participating teams. Therefore, both the documents and files may be reviewed and updated over time.

www.euforall3dproject.com

SUPPORTED BY:

Erasmus+
Enriqueciendo vidas, abriendo mentes.



Cofinanciado por
la Unión Europea

The EU FOR ALL project is co-funded by the European Union. The views and opinions expressed in this publication are those of the author(s) only (Interobotics para humanos SL, on behalf of the EU FOR ALL consortium) and do not necessarily reflect those of the European Union or the Spanish Service for the Internationalisation of Education (SEPIE). Neither the European Union nor SEPIE can be held responsible for them.

PARTNERS:



0 Table of contents

1. Warm up!

- Basic information about the region or city
- Cultural and social aspects
- Contextualization of the country in Europe

2. Investigation Phase

- Unplugged activities:
 - Location within the European Union
 - Reading comprehension
- Connected digital competence activities:
 - Explore virtual maps
 - Search and analyze cultural elements

3. Creative Phase

- Create a 2D draft using geometric shapes
- Image download and digital composition

4. Designing Phase

- Create a 3D design of the selected monument
- Prepare files and printing parameters
- Understand and adapt slicing settings

5. Presentation Phase

- Write a short travel guide-style script
- Record a video using a green background
- Add digital elements (e.g., postcard or virtual tour)
- Present your cultural itinerary

6. AI Integration Phase

- Write a prompt!
- Use an AI tool to generate a creative image
- Place it in the Alrt Museum frame
- Tell us about your artwork

Terms of Use and Funding

- Licensing, credits, and Erasmus+ co-funding





👁️ Romania and it's culture

About Rumania

Romania is one of the twenty-seven sovereign states that make up the European Union. Its capital is Bucharest. Located in Eastern Europe, it is a state with access to the sea. It borders Ukraine to the north, Moldova and the Black Sea to the east, Bulgaria to the south, and Serbia and Hungary to the west.

The fall of the Eastern Bloc in 1989 marked the end of the communist regime in Romania, leading to a process of democratization. In 2007, the country became a member of the European Union, consolidating its integration into the political and economic sphere of Europe.

<u>Map of Bucharest</u>	<u>Geographic information</u>
	• Capital: Bucharest • Area: 238,397 km² • Population: 19.05 million • Official language: Romanian • Currency: Romanian Leu (RON) • Climate: The climate in Romania is temperate continental, with hot and dry summers, and cold winters with snow, especially in the mountainous regions.

Culture

In Romania, the traditional outfit is known as "Ia" for women and "Camasa" for men. These hand-embroidered garments are worn during festivals and folkloric events.

As for the cuisine, one of the most typical dishes is "Sarmale," which consists of cabbage leaves stuffed with minced meat, rice, and spices.

Other Interesting Facts

- Festivals: One of the most popular festivals is "Junii de Braşov," celebrated on the first Sunday after Orthodox Easter. During this event, young people known as "Junii" parade on horseback through the streets of Braşov.
- Heritage: The country is home to several UNESCO World Heritage sites, including the Monasteries of Bucovina, the Wooden Churches of Maramureş, and Peleş Castle.
- Sports: The most popular sport is football, as well as artistic gymnastics, in which they have achieved significant international success.



 Let's look for it in the European Union.

Where is Romania? Can you find it? Color it on the map and mark where the capital, Bucharest, is located. Once you find it, mark the city's location with a colored dot.

 Marks the city of Bucharest

 **Reading Comprehension**

After reading the information about Romania, answer the following questions:

- Is Romania part of the European Union?
- Where is it located?
- What currency do they use?
- What is the climate like?
- What are some of the UNESCO World Heritage sites in the country?



.....

.....

.....

.....

.....

.....

.....



Virtual Tour in Bucharest

Bucharest is a city located on the banks of the Dâmbovița River and is divided into two areas: the historic and the modern. Could you find out in which area the Stavropoleos Church is located? Create an itinerary to see at least 3 important landmarks of the city and end at the Stavropoleos Church.

- You can use the following applications: Google Maps, Wikipedia, etc...

Write your itinerary here



Fun with Flags

Search for information about the flag of Romania and write down the aspects that stand out to you the most.



The Flag of Eslovaquia...



Look for some information about the building

- In which year was it built and by whom?
- Why was it built?
- Can you find the exact coordinates of the building?
- Has the building undergone renovations? Why?
- What is the meaning of "Stavropoleos"?

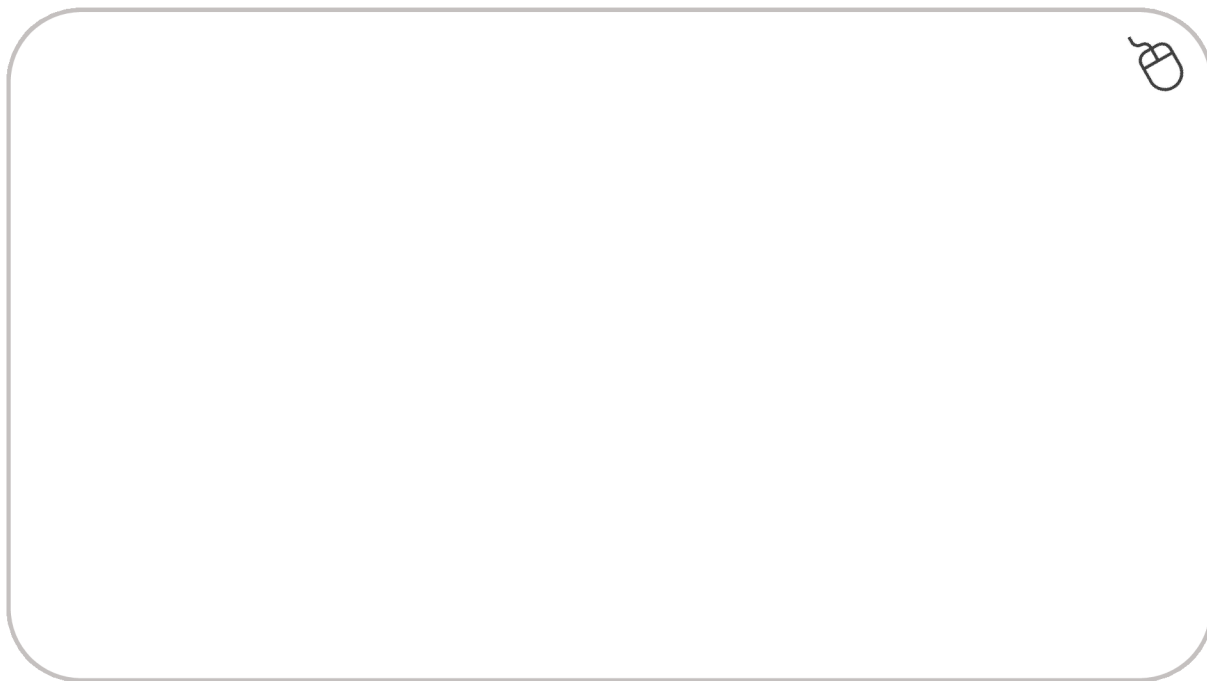
- It was built by...

-
-
-
-
-

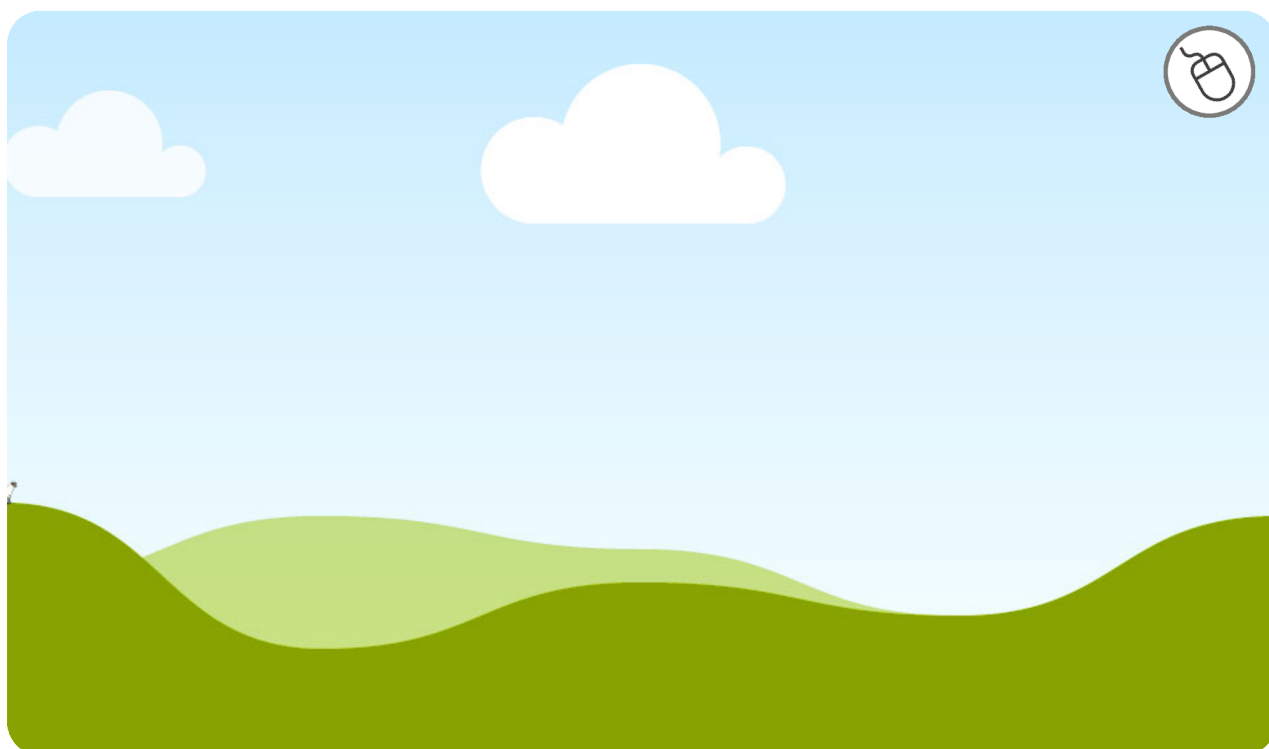
 Design test! Countdown!

If you had to draw the Stavropoleos Church using basic geometric shapes, how would you do it? Remember not to draw details. You have _ _ : _ _ minutes.

Geometric shapes

**Create your digital postcard!**

Bucharest is a city located on the banks of the Dâmbovița River. Could you find which area the Stavropoleos Church is in? Take a screenshot or find a photo of the monument, insert it into the frame, and create your Bucharest postcard. You can use Google Earth or Google Maps.



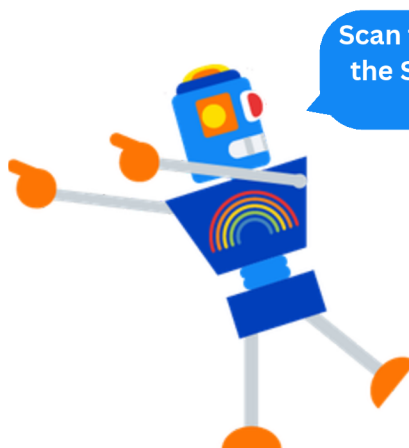


3D Design of the building

Do you dare to design the Stavropoleos Church? Follow the instructions given in the tutorial video.

We recommend:

- Search for the monument on Google Earth.
- Download photos from different viewpoints.



Scan the QR code to watch the Stavropoleos Church tutorial video.

Printing parameters

We've tested these designs with parameters that gave us great results using PLA as the material. That said, every 3D printer is different, so you might need to tweak some settings to achieve the best quality.

That's the wonderful (and sometimes frustrating) part of 3D printing! We encourage you to experiment and adapt the settings to your machine. If you improve the results, let us know!

Layer height	0.2	Walls	2
Speed	280 mm/s	Top/Bottom Layers	4/3
Temperature	190°– 210°	Travel Speed	320 mm/s
Infill	15%	Bed adhesion	No

It's important to consider factors such as whether your printer requires supports for certain parts of the model, how it handles bridging, and other details that may vary depending on your machine and the slicer you use.

Create your video about Romania

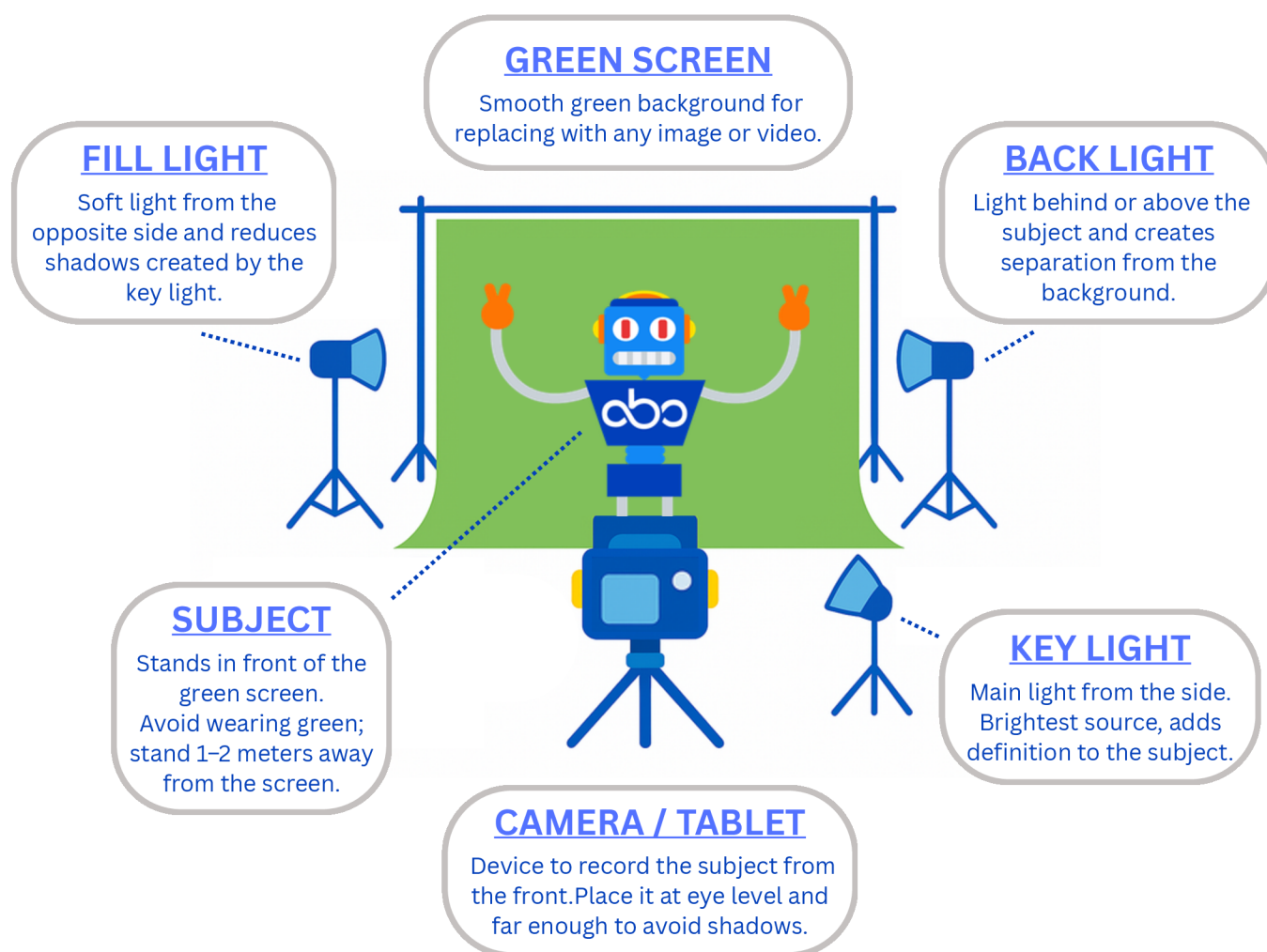
Create a **short video** where you present your virtual tour itinerary of the country you studied, using a **green screen background**.... What do you have to do?

- Think about the **route** you created in your "Virtual Tour" activity.
- Write a **short script** as if you were a travel guide or presenter. Example:

"Hi, I'm [Name] and welcome to our tour in [Country]! Today we'll visit three amazing places. We start in... and finish in..."

- Use a **green wall, a simple colored background** or a green cloth.
- **Record your video** using a tablet or smartphone.
- Add your **digital postcard** or **background image** using CapCu or OBS Studio
- Share your video with your class and with us at www.euforall3d.com!

[This is how you should set up your green screen to record your video correctly!](#)





Let's learn how to use artificial intelligence

Design a creative image using artificial intelligence, based on what you've learned about the country. Your artwork will be part of our European Digital Alrt Museum! What do you have to do?

- **Think about what you've discovered:** monuments, traditional clothes, nature, legends, people, food...
- **Imagine a picture** that shows all that. It can be real, magical... or both!
- **Write a prompt** to tell the AI what to create.

What is a prompt?

A prompt is a sentence or idea you give to an AI image tool. It helps the tool understand exactly what kind of picture you want. The more creative and clear you are, the better the image will be!

Example:

"A child in traditional [Country] clothes standing in front of a magical castleduring a festival with fireworks."

- **Use an AI tool** like Deep AI or Canva AI to create your image.
- Save or print your artwork and place it in the special frame for our **European Digital Alrt Museum**.
- **Give your image a title and write one short sentence** explaining what it shows.



Add the title

My artwork represents a....



**Please provide the title of the work, the
artist's full name, country of origin, and age**

My artwork represents a....



Share your artwork at the European Digital Art Museum: www.euforall3d.com

Terms of Use and Funding

The educational materials developed within the framework of the EU FOR ALL project, led by the consortium of OBO - We Teach Robotics, have been designed to promote digital inclusion and technological literacy.



These materials aim to provide accessible and engaging learning experiences that foster key competencies in digital skills, problem-solving, and critical thinking. Through interactive and hands-on approaches, the project seeks to empower learners of all backgrounds by equipping them with the necessary tools to navigate an increasingly digital world.

Developed in collaboration with experts in education, technology, and inclusion, these resources reflect the commitment of the EU FOR ALL consortium to innovation in education and the reduction of the digital divide.

Creative Commons License

The educational materials developed within this project are licensed under Creative Commons – Attribution, Non-Commercial, ShareAlike (BY-NC-SA EU).

This means they can be freely used, shared, and adapted, as long as:

- Proper credit is given to the authors and the project.
- They are not used for commercial purposes.
- They are shared under the same license.



For more information about this license, visit [Creative Commons website](https://creativecommons.org/licenses/by-nc-sa/4.0/).

Disclaimer of Liability Clause

The EU FOR ALL project is co-funded by the European Union. The views and opinions expressed in this publication are those of the author(s) only (Interrobotics para humanos SL, on behalf of the EU FOR ALL consortium) and do not necessarily reflect those of the European Union or the Spanish Service for the Internationalisation of Education (SEPIE). Neither the European Union nor SEPIE can be held responsible for them.

Co-financing Emblem

This material has been developed within the framework of the Erasmus+ Programme and has received co-funding from the European Union.



**Co-funded by
the European Union**