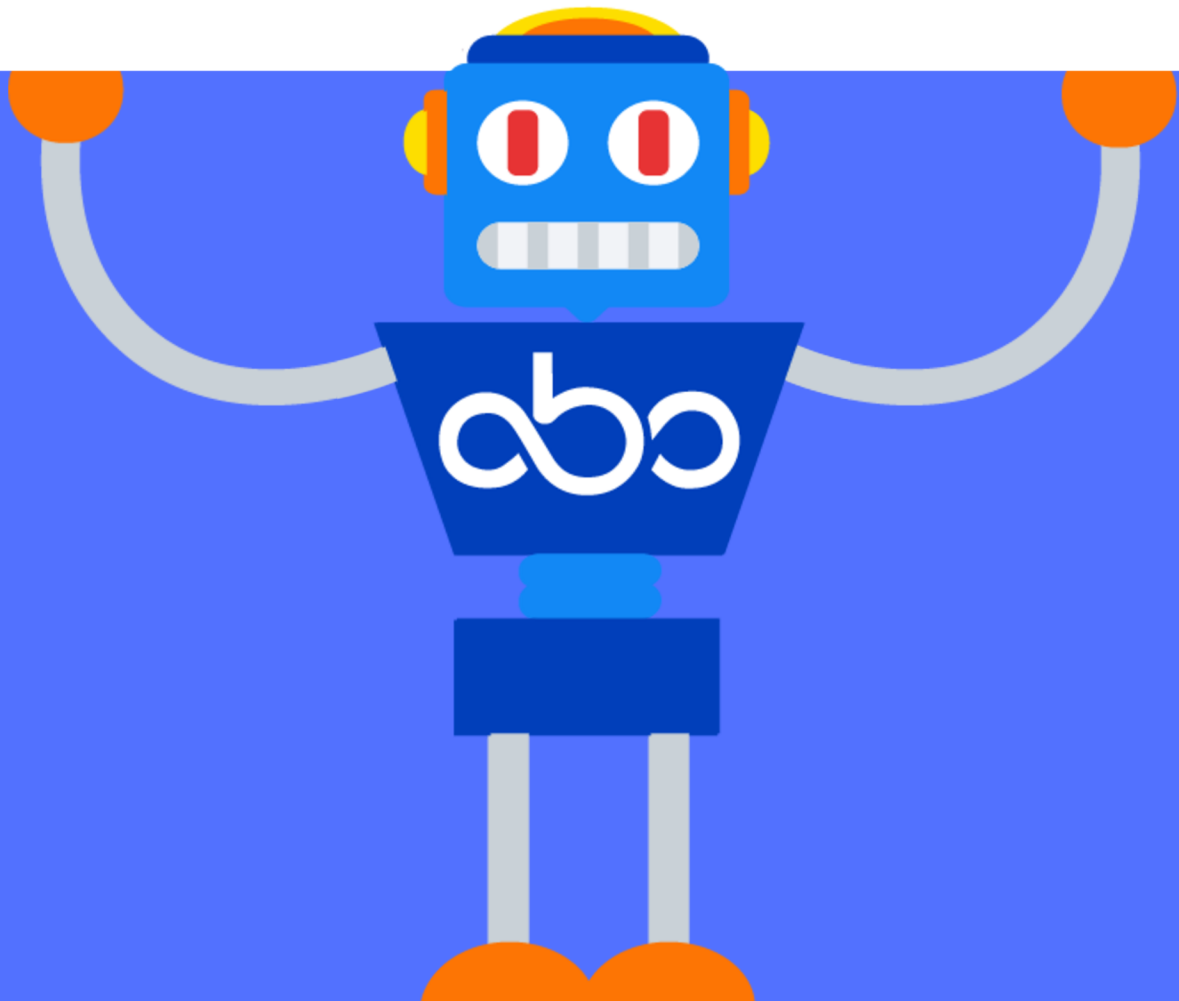




EU FOR ALL

Using Sustainable Entrepreneurship to Rebuild European Heritage for Everyone



EU FOR ALL





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





👁️ Ukraine and it's culture

About Ukraine

Ukraine is a sovereign state in Eastern Europe. Its capital is Kyiv. Located in the northeastern part of the continent, Ukraine is bordered to the east and northeast by Russia, to the north by Belarus, to the west by Poland, Slovakia, and Hungary, and to the southwest by Romania and Moldova. To the south, it has a coastline on the Black Sea and the Sea of Azov.

Ukraine declared its independence in 1991 following the dissolution of the Soviet Union. In 2014, it faced the annexation of Crimea by Russia and a conflict in the east. Since then, it has sought greater integration with the European Union and NATO.

<u>Map of Kyiv</u>	<u>Geographic information</u>
	• Capital: Kyiv • Area: 603,500 km² • Population: 41.1 million • Official language: Ukrainian • Currency: Ukrainian Hryvnia (UAH) • Climate: The climate in Ukraine is continental, with cold, snowy winters and warm summers, especially in the southern and eastern regions.

Culture

The traditional attire of Ukraine is called "vyshyvanka." It is an embroidered shirt, worn by both men and women, and is characterized by its detailed embroidery that represents traditional Ukrainian symbols and patterns. Additionally, the outfit is often accompanied by skirts, pants, and headscarves, depending on the region.

As for the cuisine, one of the most typical dishes is "borsch," a beetroot soup with meat, onions, carrots, and spices, served with sour cream.

Other Interesting Facts

- **Festivities:** One of the most important holidays in Ukraine is Independence Day, celebrated on August 24. During this holiday, parades, concerts, and activities are held in honor of the country's independence.
- **Heritage:** Ukraine has UNESCO World Heritage sites, such as the Saint Sophia Cathedral in Kyiv and the Kyiv Pechersk Lavra (Monastery of the Caves).
- **Sports:** Football is the most popular sport in Ukraine, followed by basketball, boxing, and athletics, with several Ukrainian athletes standing out internationally in these disciplines.

 Let's look for it in the European Union.

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

 Marks the city of Kyiv

 **Reading Comprehension**

Once you have read the information about Ukraine, answer the following questions:

- Where is it located?
- What is its capital?
- What is its climate like?
- In what year did Ukraine become an independent state?
- Does it have any UNESCO World Heritage sites? Which ones?





🔍 Virtual Tour in Kyiv

Kyiv is the capital of Ukraine, located on the banks of the Dnipro River. It is known for its rich history and impressive cultural heritage, especially its old town. Could you find out in which area the Golden Gate is located? Create an itinerary to visit at least three important monuments in the city and finish at the Golden Gate.

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

Write your itinerary here



🔍 Fun with Flags

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



The flag of Ucrania...



🔍 Look for some information about the building

- In what year was it built and by whom?
- To which other monument does it owe its name?
- What material was it built with?
- Has it ever been rebuilt? When?
- Can you find the exact coordinates of the building?

- It was built by...

-
-
-
-
-

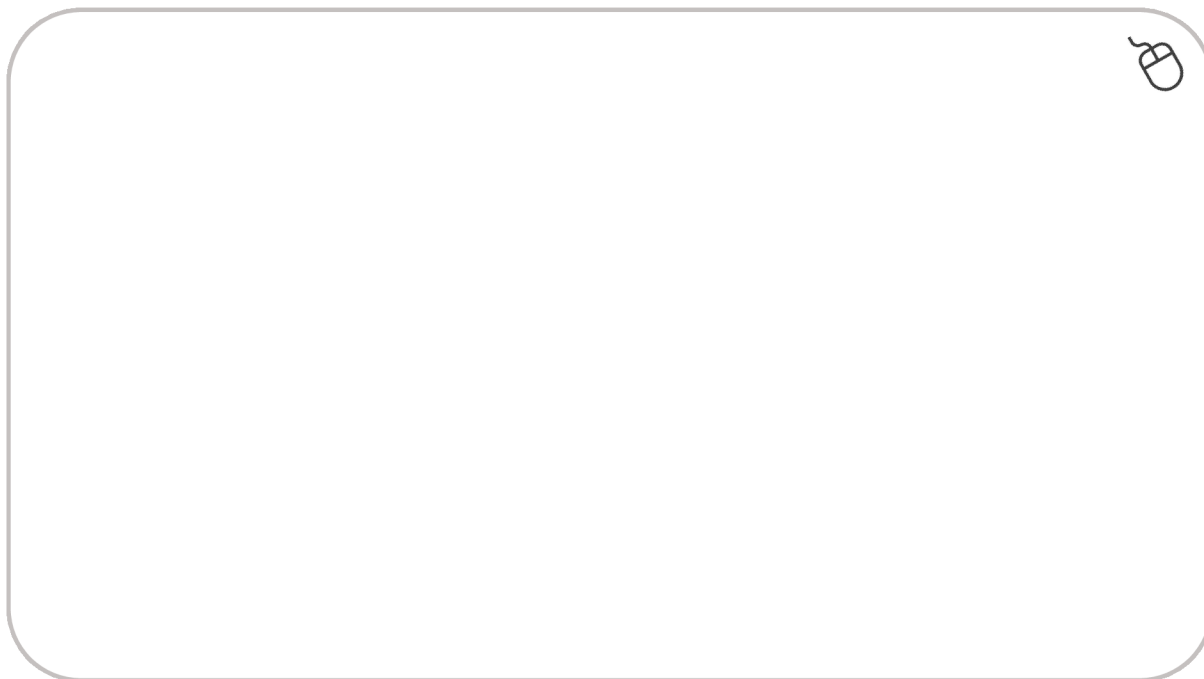
3

Creative Phase

Design test! Countdown!

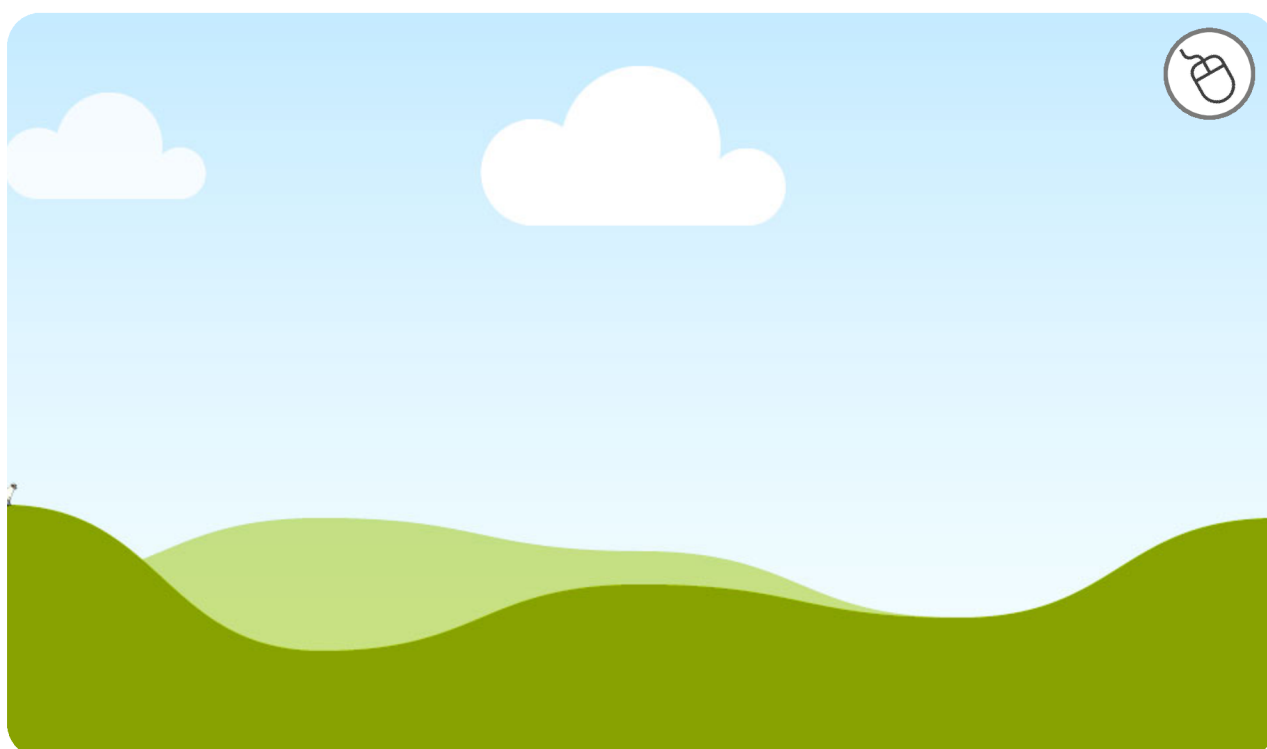
If you had to draw the Golden Gate using basic geometric shapes, how would you do it? Remember not to add details. You have _ _ : _ _ minutes.

Geometric
shapes



Create your digital postcard!

Kyiv is the capital of Ukraine, located on the banks of the Dnipro River. Could you find out in which area the Golden Gate is located? Take a screenshot or find a photo of the monument, insert it into a frame, and create your postcard of Kyiv. You can use: Google Earth or Google Maps.



EU FOR ALL





3D Design of the building

Do you dare to design the Golden Gate? 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 Golden Gate 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	300 mm/s	Top/Bottom Layers	5/3
Temperature	190°C – 210°C	Travel Speed	400 mm/s
Infill	20%	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 Slovenia

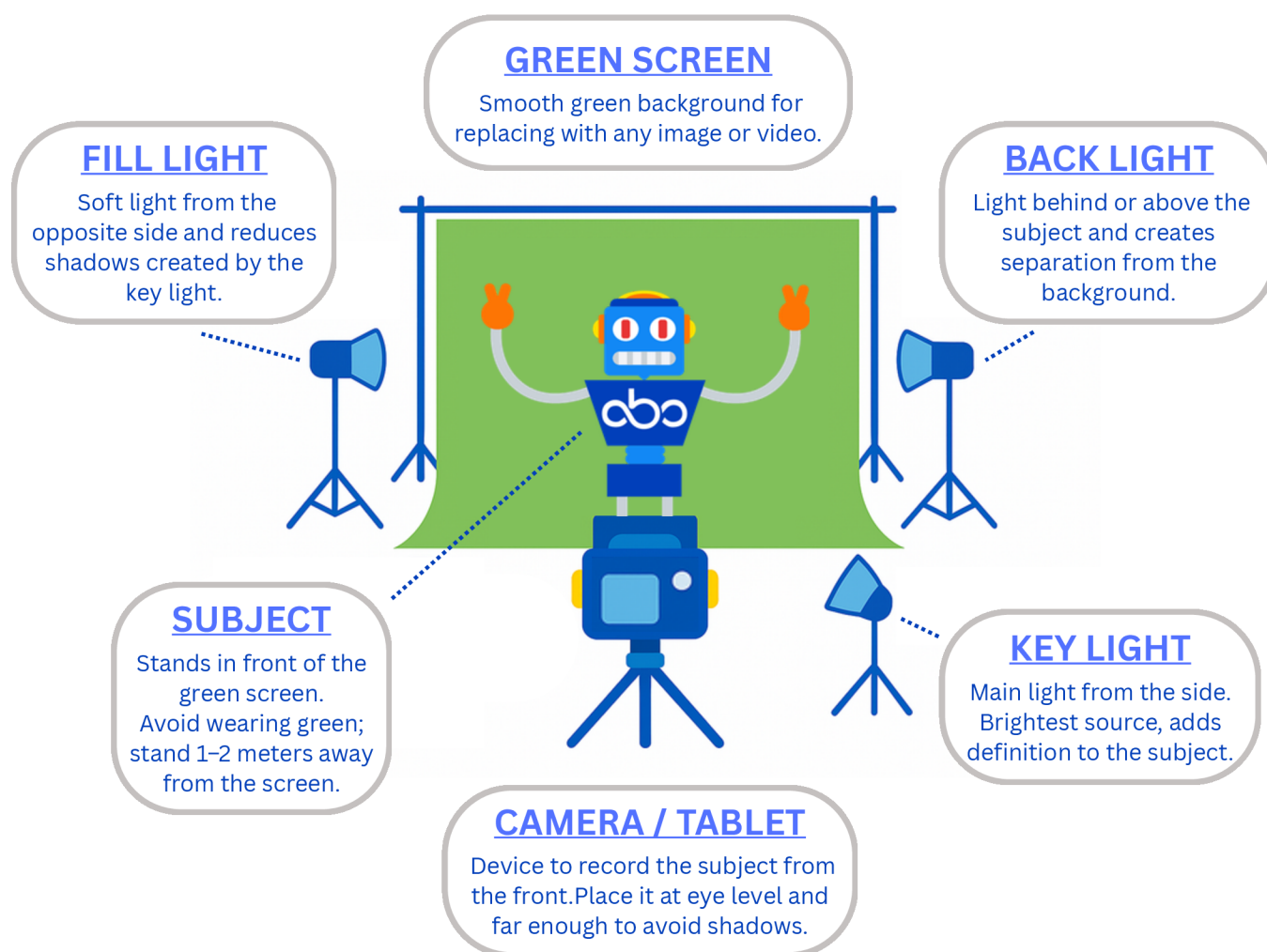
Create a **short video** where you present your virtual tour itinerary of the country you studied, using a **green screen background**.... What do you have to do?

- 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**