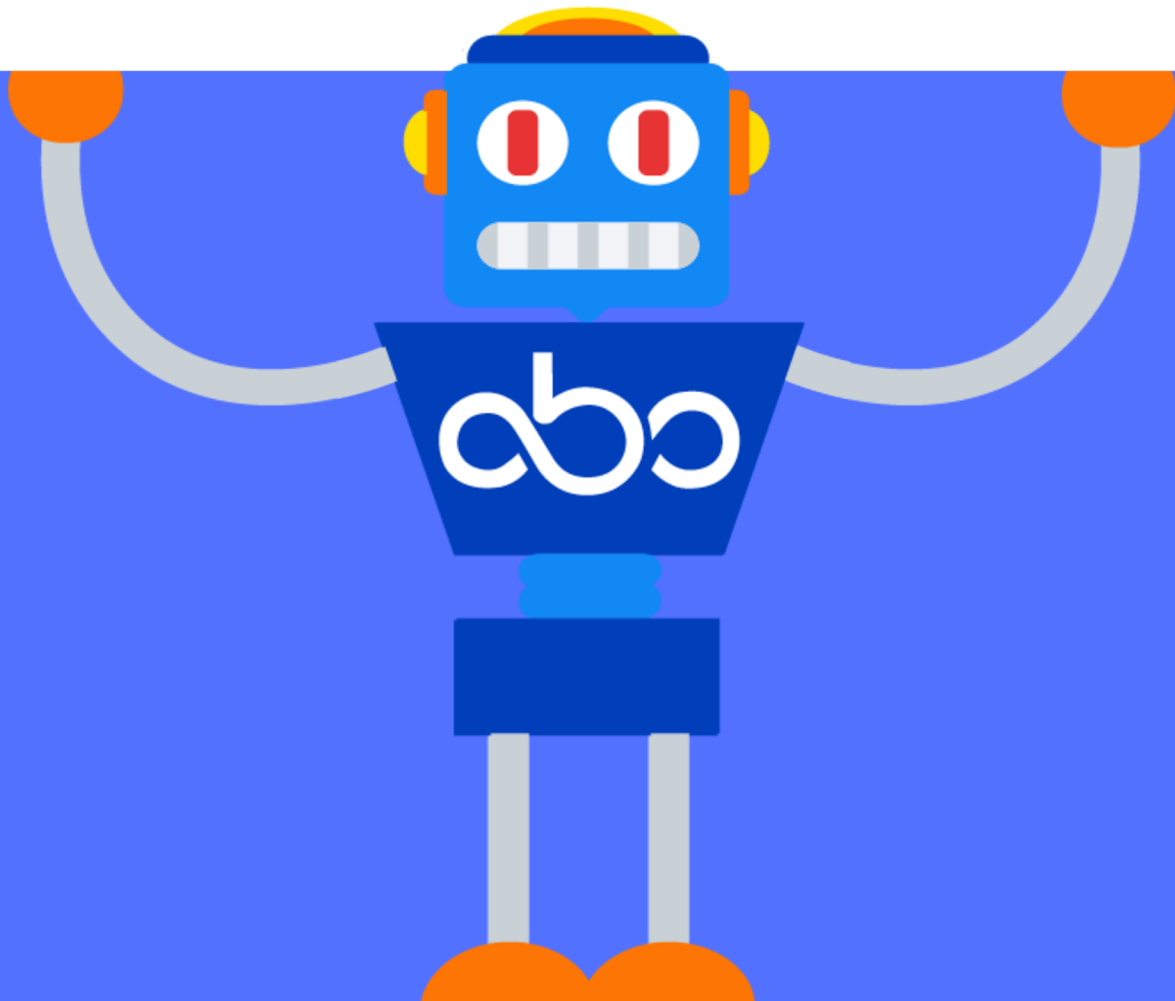




EU **FOR** **ALL**

Using Sustainable Entrepreneurship to Rebuild European Heritage for
Everyone







EU FOR ALL



 **VARSOVIA · POLONIA** 

ROYAL CASTLE OF WARSAW POLAND



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

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PARTNERS:



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4. Designing Phase

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

5. Presentation Phase

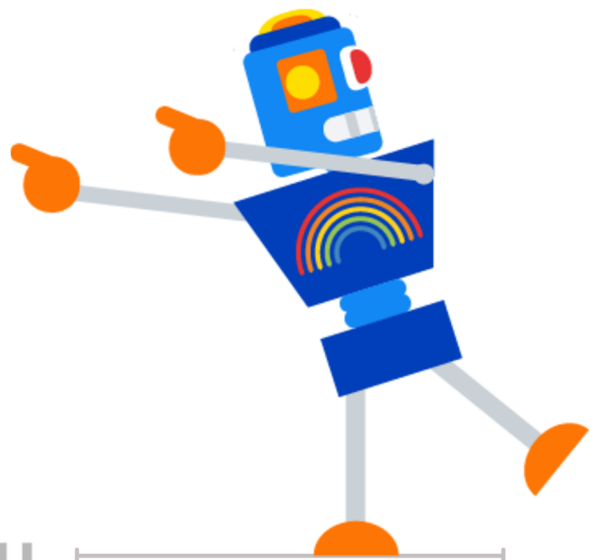
- Write a short travel guide-style script
- Record a video using a green background
- Add digital elements (e.g., postcard or virtual tour)
- Present your cultural itinerary

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






📍 Poland and it's culture

About Poland

Poland is a sovereign state in Central Europe. Its capital is Warsaw. Located in the central part of the continent, Poland borders the Baltic Sea to the north, Lithuania, Belarus, and Ukraine to the east, Slovakia and the Czech Republic to the south, and Germany to the west.

Poland gained its independence in 1918 after more than a century of partitions. After World War II, it became a socialist state under Soviet influence. In 1989, with the end of communism, Poland adopted a democratic system and a free-market economy, and since 2004 it has been a member of the European Union and NATO.

<u>Map of Warsaw</u>	<u>Geographic information</u>
	<ul style="list-style-type: none"> • Capital: Warsaw • Area: 312,696 km² • Population: Approximately 38 million • Language: Polish • Currency: Zloty (PLN) • Climate: Continental, with cold winters and warm summers

Culture

Poland's traditional attire varies by region, but they commonly wear the Kraków style. Women wear a long dress with colorful embroidery, an apron, a cape, and a flower crown. Meanwhile, men wear a linen shirt, a vest, fitted trousers, boots, and a hat with feathers.

As for gastronomy, one of Poland's popular dishes is bigos, made with pork, beef, and cabbage, slowly cooked along with onions, mushrooms, and spices.

Other Interesting Facts

- **Festivities:** One of the most important traditions is Christmas Eve dinner, known as Wigilia. During this meal, 12 dishes are prepared, representing the 12 apostles. Notably, no meat is consumed during this dinner.
- **Heritage:** The country has several UNESCO World Heritage sites, such as the Wieliczka Salt Mine and the Auschwitz-Birkenau concentration camp.
- **Sports:** Football is the most popular sport, followed by volleyball, in which the country has achieved significant success in international competitions.



Let's look for it in the European Union.

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

 Marks the city of Warsaw



Reading Comprehension

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

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



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Virtual Tour in Warsaw

Warsaw is the capital of Poland and is located in the central-eastern part of the country, along the Vistula River. Could you find out in which area the Royal Castle of Warsaw is located? Create an itinerary to visit at least three important monuments in the city and finish at the Royal Castle of Warsaw.

- You can use applications such as Google Maps, Wikipedia, etc.

Write your itinerary here



Fun with Flags

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

The frag of Polonia...



Look for some information about the building

- In what year was it built and by whom?
- Who lived in the castle until 1975?
- Has it ever been destroyed? Why?
- What is the current function of the castle?
- Can you find the exact coordinates of the building?

se construyo en el siglo 14

los reyes polacos vivian en el castillo

polonia fue destruido una vez por los nasis en la 2 guerra mundial

a dia de hoy el castillo polaco es un museo muy visitado por turistas

3

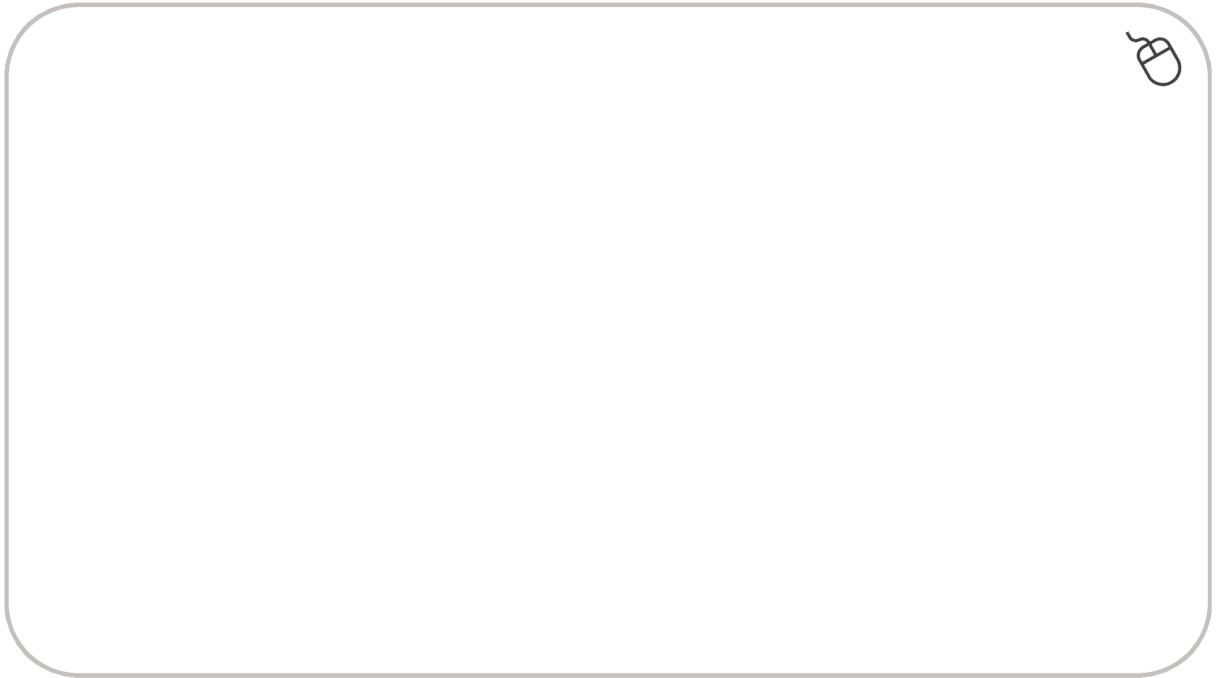
Creative Phase



🕒 Design test! Countdown!

If you had to draw the Royal Castle of Warsaw using basic geometric shapes, how would you do it? Remember not to add details. You have __ : __ minutes.

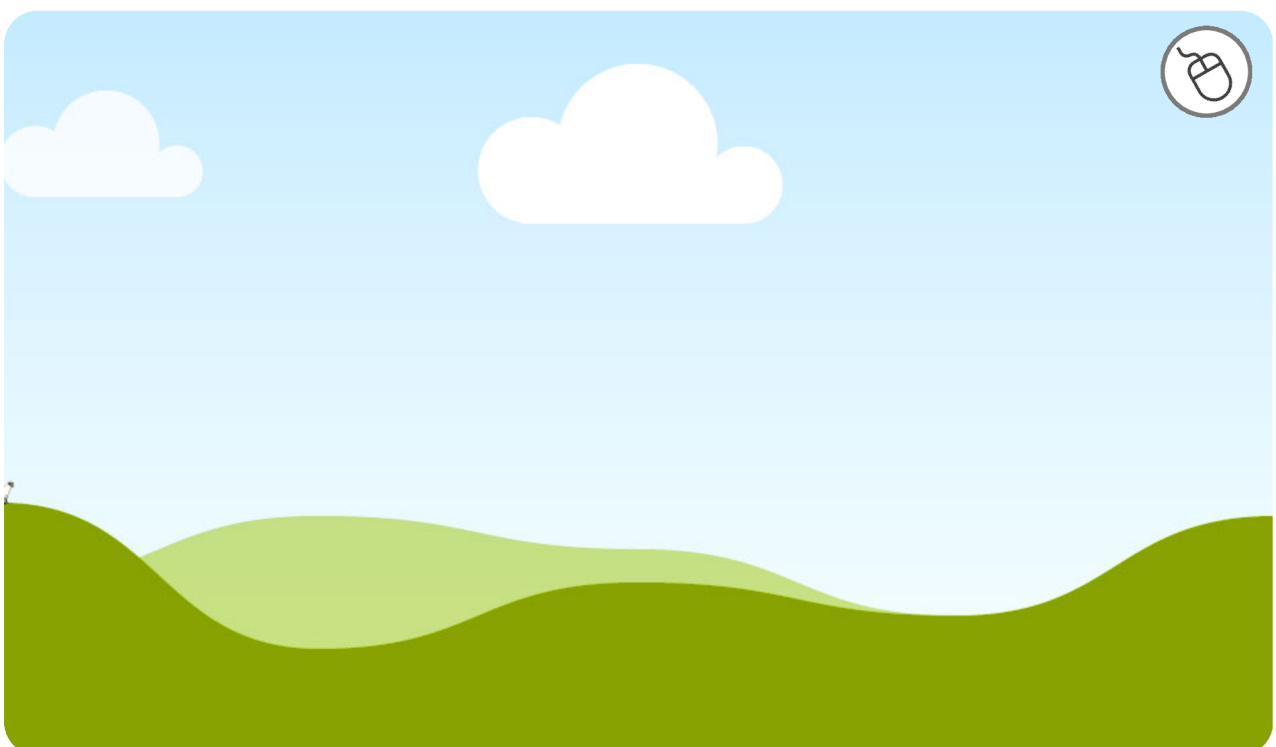
Geometric shapes



🌟 Create your digital postcard!

Warsaw has a rich history and numerous iconic monuments. Could you find out in which area its Castle is located? Take a screenshot or find a photo of the monument, insert it into a frame, and create your Warsaw postcard.

You can use: Google Earth or Google Maps.



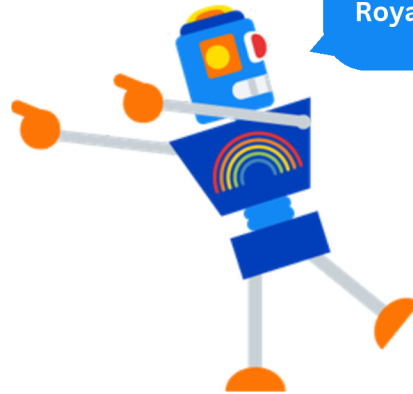


3D Design of the building

Do you dare to design the Royal Castle of Warsaw? 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 Royal Castle of Warsaw 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	250 mm/s	Top/Bottom Layers	4/3
Temperature	190° - 210°	Travel Speed	350 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 Slovenia

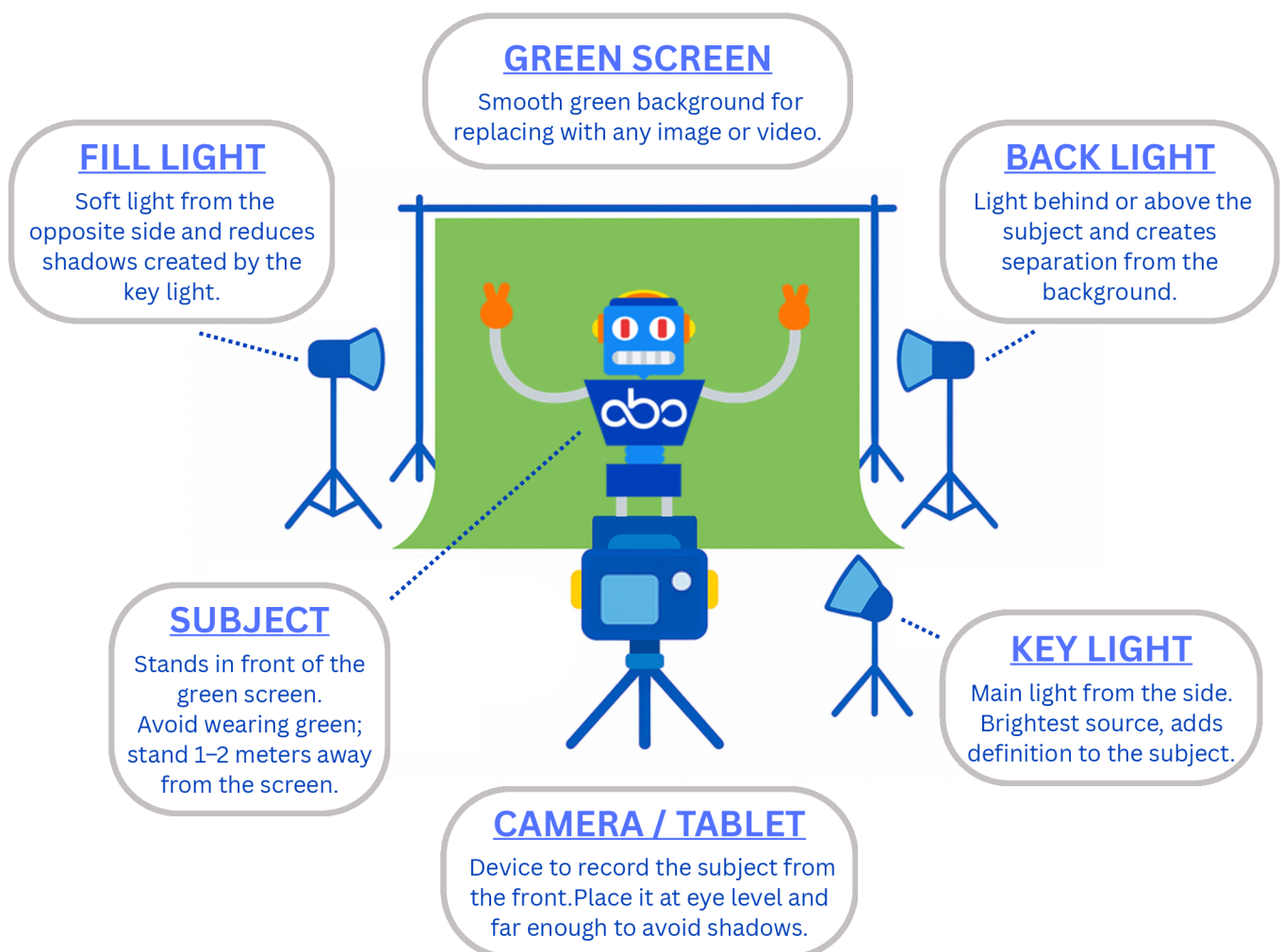
Create a **short video** where you present your virtual tour itinerary of the country you studied, using a **green screen background**.... What do you have to do?

- **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.

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