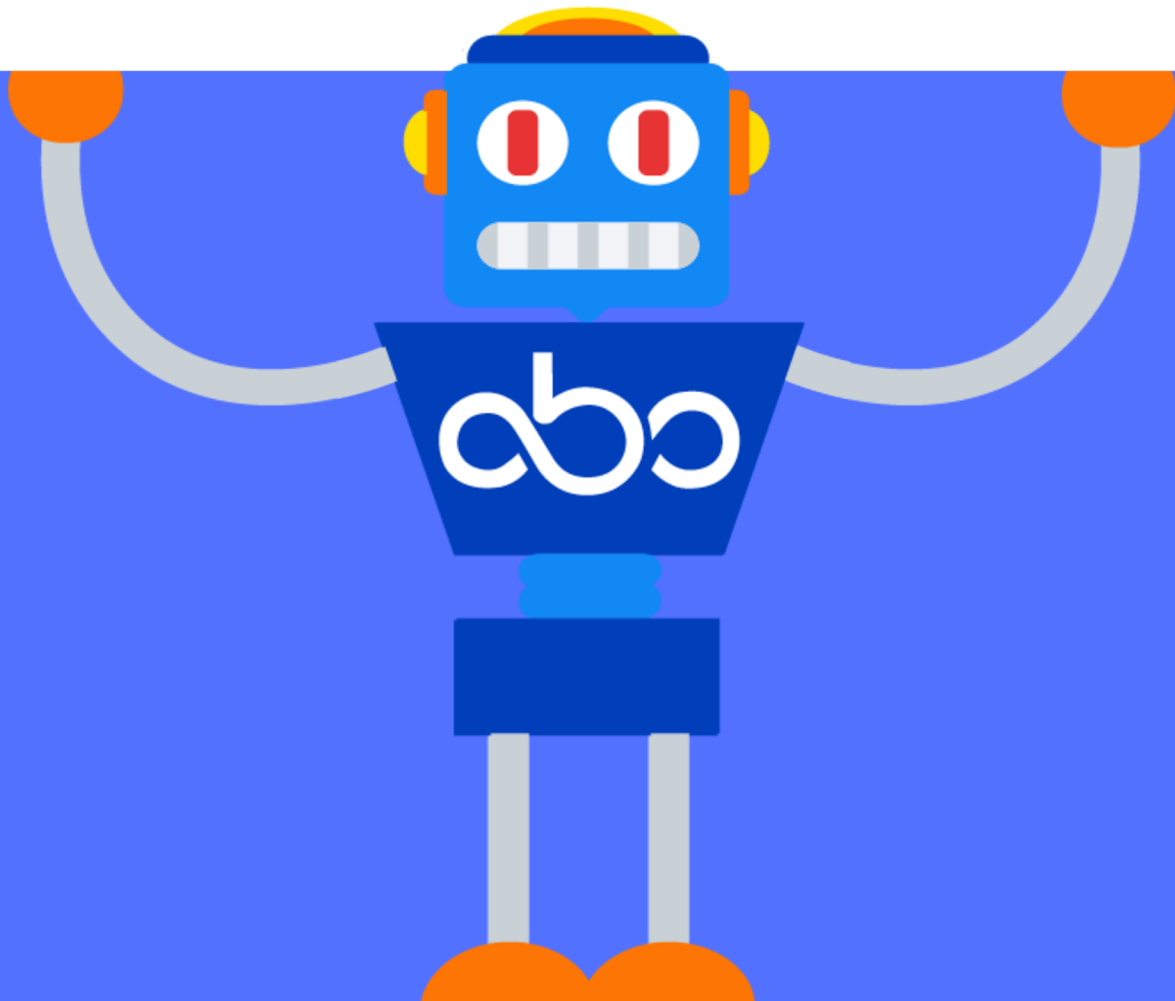




EU **FOR** **ALL**

Using Sustainable Entrepreneurship to Rebuild European Heritage for Everyone



EU FOR ALL



VILDA · LITUANIA



VILNIUS CATHEDRAL





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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 - Search and analyze cultural elements

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- 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

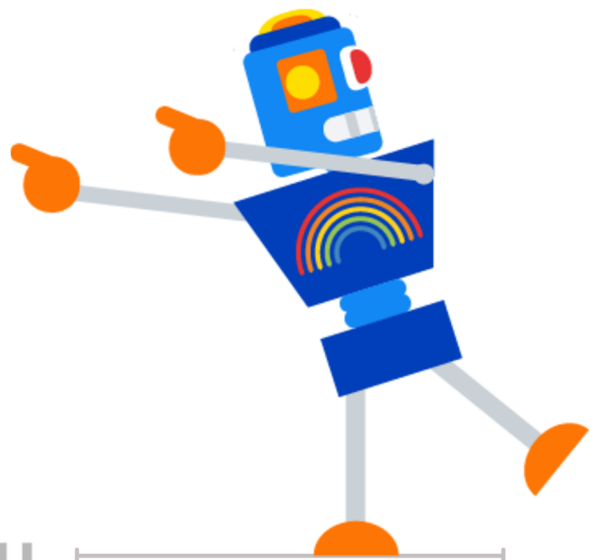
- Write a short travel guide-style script
- Record a video using a green background
- Add digital elements (e.g., postcard or virtual tour)
- Present your cultural itinerary

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

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- Licensing, credits, and Erasmus+ co-funding






👁 Lithuania and it's culture

About Lithuania

Lithuania is one of the sovereign states of Europe. Its capital is Vilnius. Located in the Baltic region and Eastern Europe, the country has a small coastline along the Baltic Sea. It borders Latvia to the north, Belarus to the east and south, Poland to the southwest, and the Russian enclave of Kaliningrad to the west.

Lithuania declared its independence in 1990 following the dissolution of the Soviet Union. In 2004, Lithuania became a member of the European Union and NATO, strengthening its political and economic integration into the continent.

<u>Map of Vilnius</u>	<u>Geographic information</u>
	<ul style="list-style-type: none"> • Capital: Vilnius • Area: 65,300 km² • Population: 2.8 million • Official language: Lithuanian • Currency: Euro (EUR) • Climate: Lithuania has a temperate continental climate. Winters are cold and can be snowy, while summers are mild to warm, with moderate temperatures.

Culture

In Lithuania, they traditionally wear the "tautiniai drabužiai," a costume made up of long, colorful skirts, embroidered blouses, aprons, and flower crowns for women, and embroidered shirts, vests, linen trousers, and wide woven belts for men. These garments are worn during folk celebrations.


Regarding gastronomy, one of the most typical dishes is "cepelinai," large potato dumplings filled with meat, cheese, or mushrooms.

Other Interesting Facts

- **Festivities:** The most popular holiday is the Day of the Restoration of Independence, celebrated on March 11th to commemorate independence from the Soviet Union in 1990.
- **Heritage:** Some UNESCO World Heritage sites include the Historic Centre of Vilnius and the Archaeological Site of Kernavė, an ancient medieval capital of Lithuania.
- **Sports:** The most popular sport is basketball, with notable players such as Arvydas Sabonis and Jonas Valančiūnas.

 **Let's look for it in the European Union.**


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

 Marks the city of Vilnius

 **Reading Comprehension**

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

- What language do they speak in Lithuania?
- What is the currency they use?
- What ingredients are used in their most typical dish? What is it called?
- When is their most popular festival celebrated? What is celebrated?
- What is the most popular sport in the country?



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Virtual Tour in Vilnius

Vilnius is a city located in the southeast of Lithuania, on the banks of the Neris River. It is divided into several areas, with the central part known for its rich historical heritage and well-preserved Old Town. Can you find which area the Vilnius Cathedral is located in? Create an itinerary to visit at least 3 important monuments in the city and end at the Vilnius Cathedral.

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

Write your itinerary here



Fun with Flags

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



The flag of Lithuania...



Look for some information about the building

- In which year was it built and by whom?
- What artistic treasures can be found inside the cathedral?
- Has it ever been rebuilt? Why?
- Can you find the exact coordinates of the building?
- Is the cathedral considered a UNESCO World Heritage site?

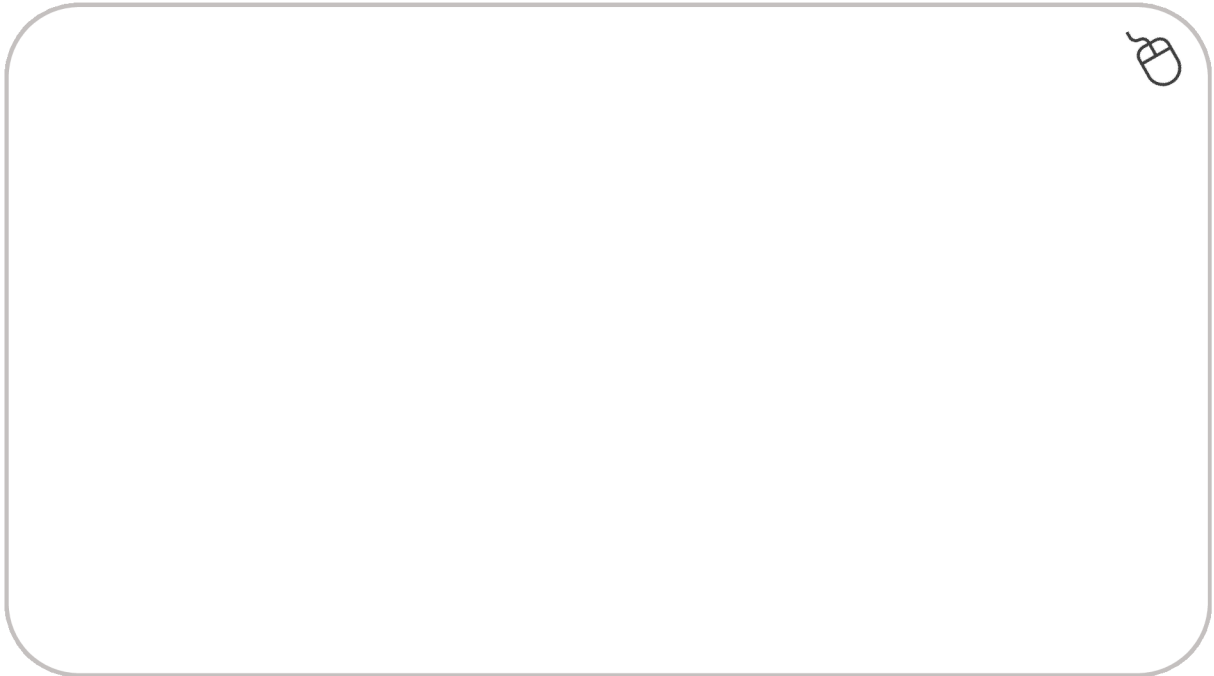
- It was built by...
-
-
-
-
-



🕒 Design test! Countdown!

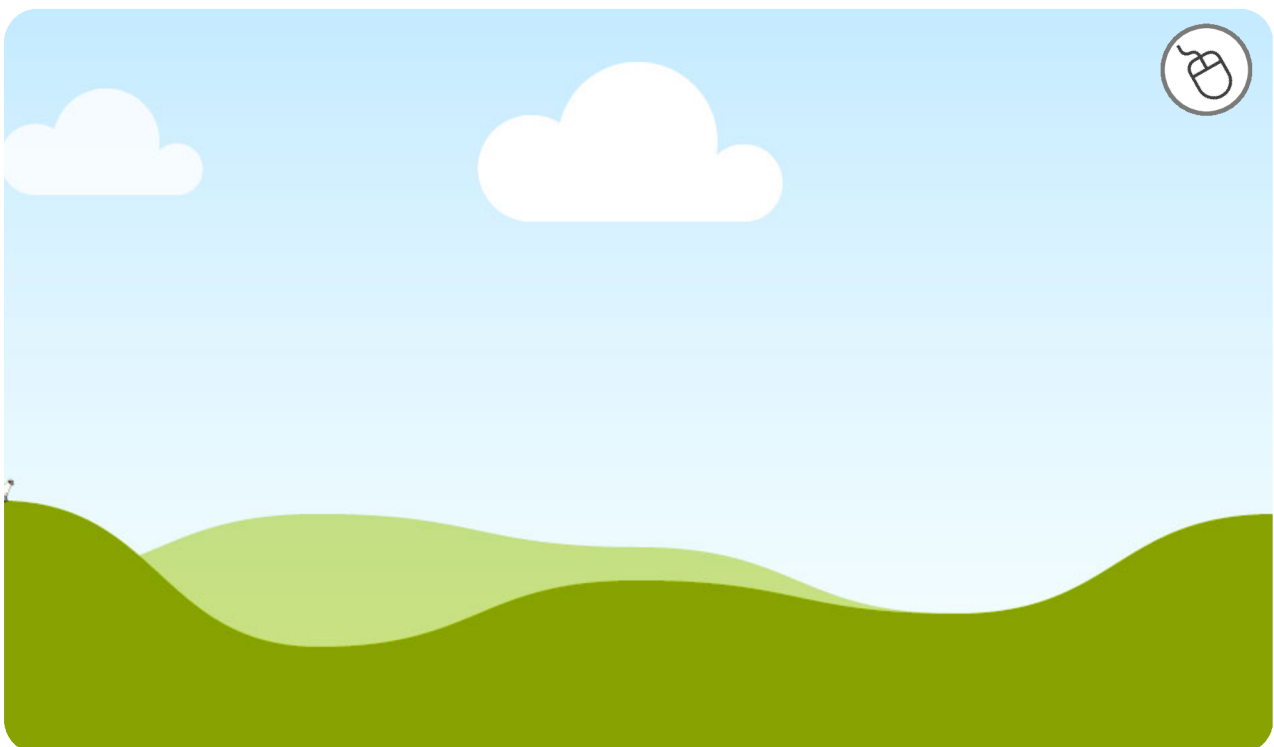
If you had to draw the Vilnius Cathedral using basic geometric shapes, how would you do it? Remember not to add details. You have __ : __ minutes.

Geometric shapes



🔍 Create your digital postcard!

Vilnius is a city located in the southeast of Lithuania, on the banks of the Neris River. Can you find which area the Vilnius Cathedral is located in? Take a screenshot or find a photo of the monument, insert it into the frame, and create your Vilnius postcard. You can use Google Earth or Google Maps.





3D Design of the building

Do you dare to design the Vilnius Cathedral? 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 Vilnius Cathedral 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°C - 210°C	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 Slovenia

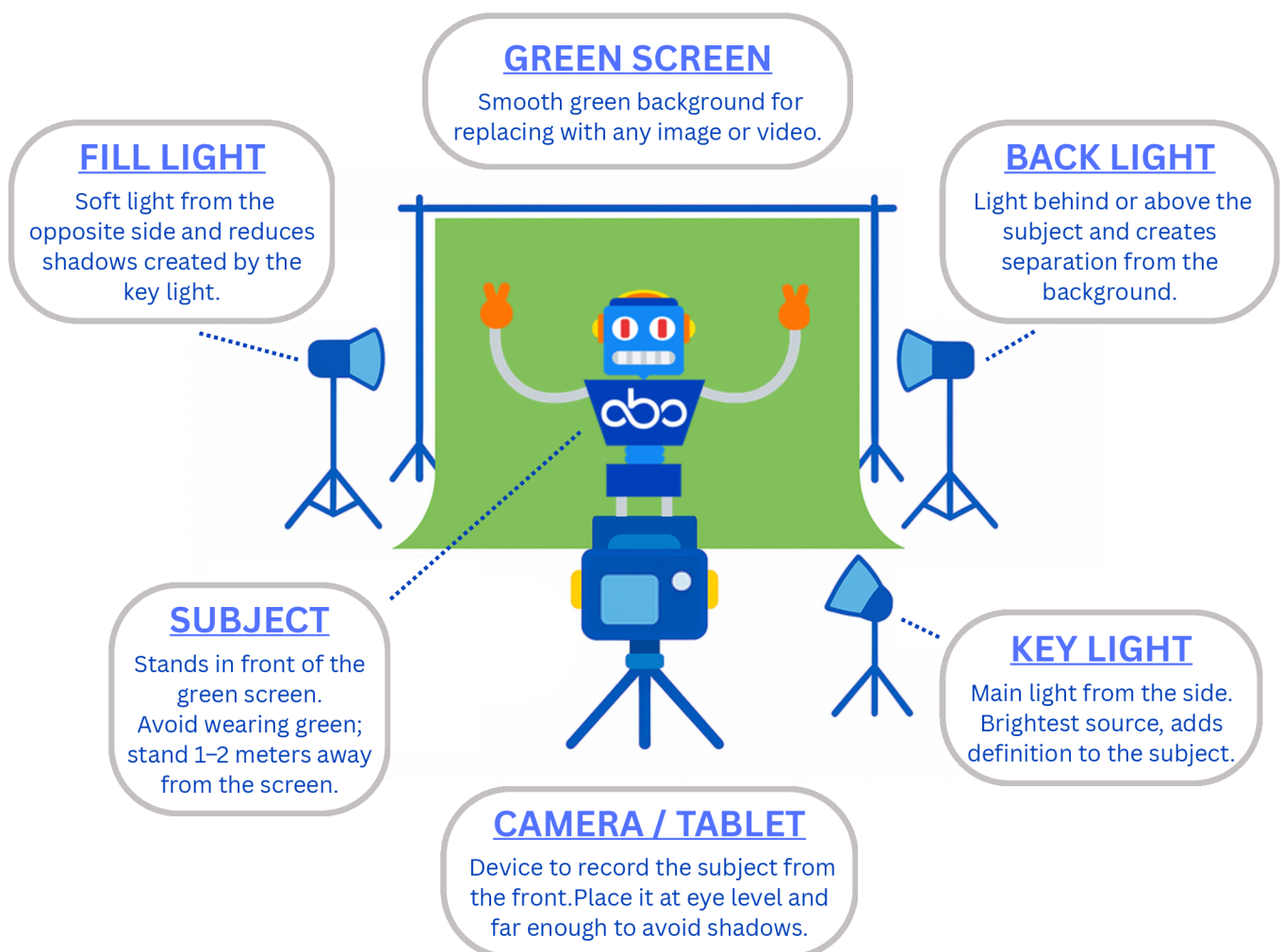
Create a **short video** where you present your virtual tour itinerary of the country you studied, using a **green screen background**.... What do you have to do?

- **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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