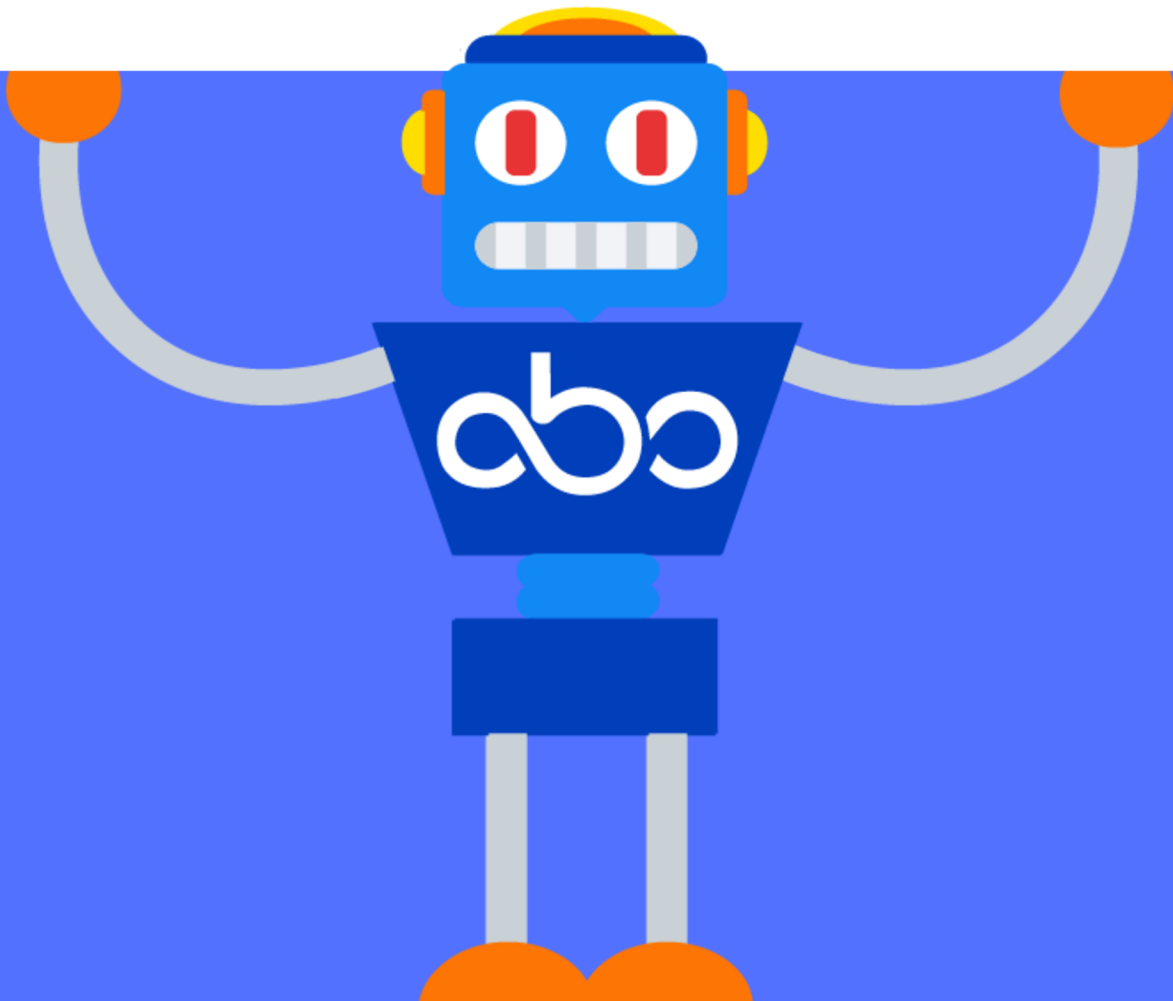


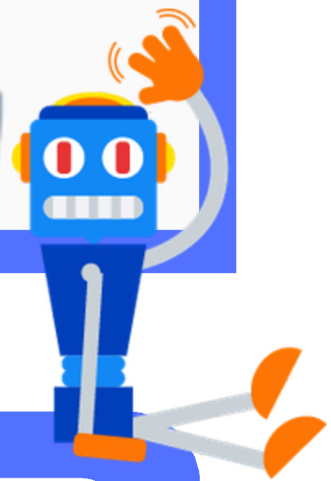


EU **FOR** **ALL**

Using Sustainable Entrepreneurship to Rebuild European
Heritage for Everyone



EU FOR ALL



LIUBLIANA · ESLOVENIA



PREDJAMA CASTLE





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

5. Presentation Phase

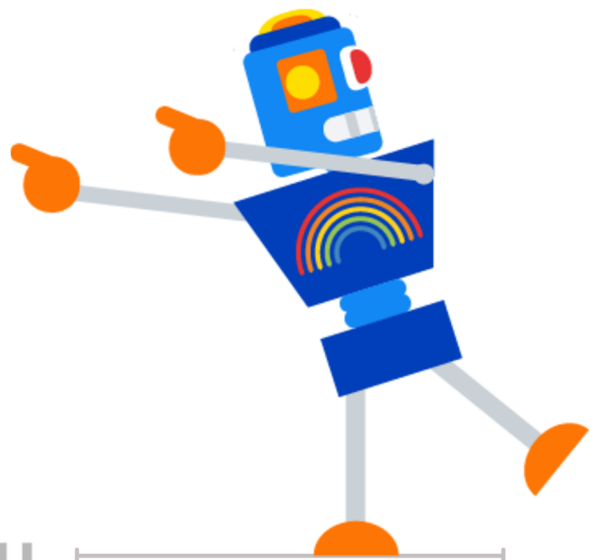
- Write a short travel guide-style script
- Record a video using a green background
- Add digital elements (e.g., postcard or virtual tour)
- Present your cultural itinerary

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- Use an AI tool to generate a creative image
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- Tell us about your artwork

Terms of Use and Funding

- Licensing, credits, and Erasmus+ co-funding






📍 Slovenia and its culture

About Slovenia

Slovenia is one of the sovereign states of Europe. Its capital is Ljubljana. Located in the Central European region, it is a country with access to the Adriatic Sea. It borders Austria to the north, Hungary to the east, Croatia to the south, and Italy to the west.

Slovenia declared its independence in 1991 following the dissolution of Yugoslavia. In 2004, the country joined the European Union and NATO, which strengthened its political and economic integration into the European continent.

<u>Map of Ljubljana.</u>	<u>Geographic information</u>
	<ul style="list-style-type: none"> • Capital: Ljubljana • Area: 20,273 km² • Population: 2.1 million • Official language: Slovenian • Currency: Euro (EUR) • Climate: The climate in Slovenia is diverse. On the coast, the climate is Mediterranean, with mild winters and warm summers. In the mountainous areas, the climate is alpine, with cold winters and cool summers, while in the interior, a continental climate prevails, with cold winters and warm summers.

Culture

In Slovenia, traditional clothing varies by region, but it generally consists of the "narodni kostum". This ensemble includes long skirts, embroidered blouses, aprons, and headscarves for women, while men wear linen shirts, vests, wool or linen trousers, and wide belts. These outfits are worn during folk celebrations and festivals.

Regarding gastronomy, one of the most typical dishes is "idrijski žlikrofi", a type of ravioli filled with potatoes and meat, traditional to the Idrija region.

Other Interesting Facts

- **Festivities:** One of the most important celebrations in Slovenia is "Pust", a carnival held before Lent, filled with parades and music.
- **Heritage:** Slovenia has UNESCO World Heritage Sites, including the Historic Center of Ljubljana, the Postojna Cave, and the Prehistoric Site of the Krčedinska Hills.
- **Sports:** The most popular sport in Slovenia is football, followed by basketball and skiing, in which the country has excelled internationally.



Let's look for it in the European Union.

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

 Marks the city of Ljubljana



Reading Comprehension

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

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



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Virtual Tour in Predjama

Predjama is a small village in Slovenia surrounded by wooded hills and natural trails. Could you find out in which area Predjama Castle is located? Create an itinerary to visit at least three important monuments in the city and finish at Predjama Castle.

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

Write your itinerary here



Fun with Flags

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



The flag of Eslovenia...



Look for some information about the building

- In what year was it built and by whom?
- Within which natural area was it constructed?
- Can it currently be visited?
- Does the castle hide any legend? Which one?
- Can you find the exact coordinates of the building?

- In ... by
- It was constructed in....
- .
- .
- .
- .



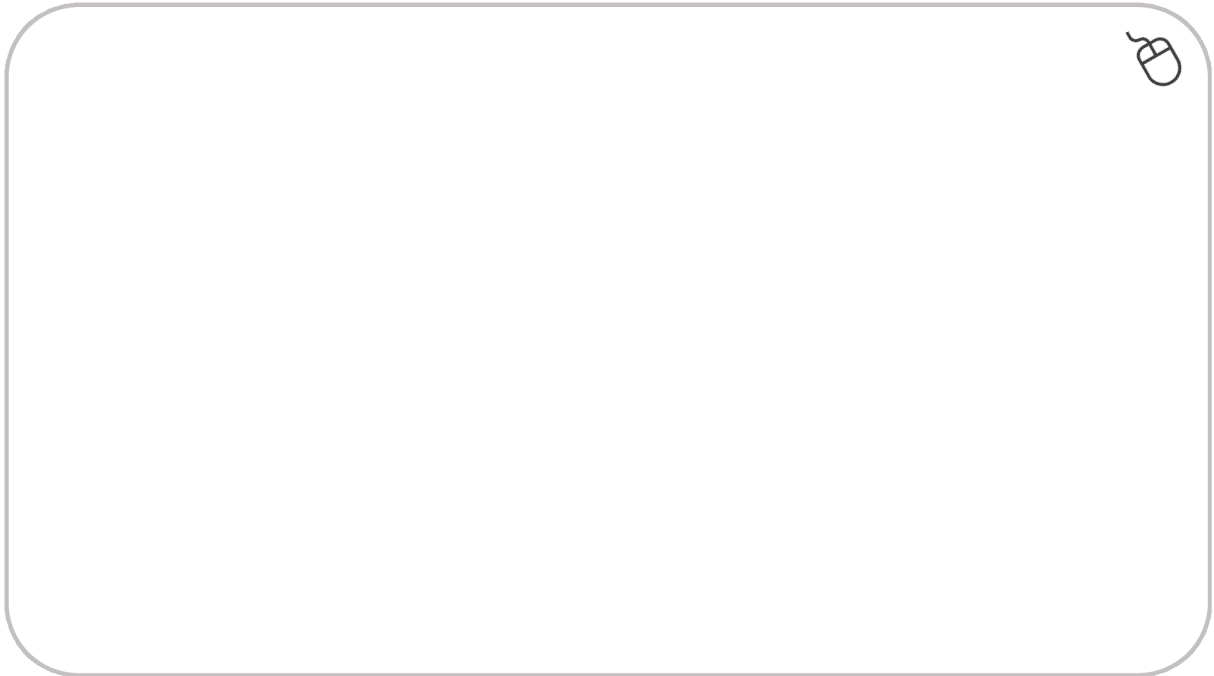
3

Creative Phase

Design test! Countdown!

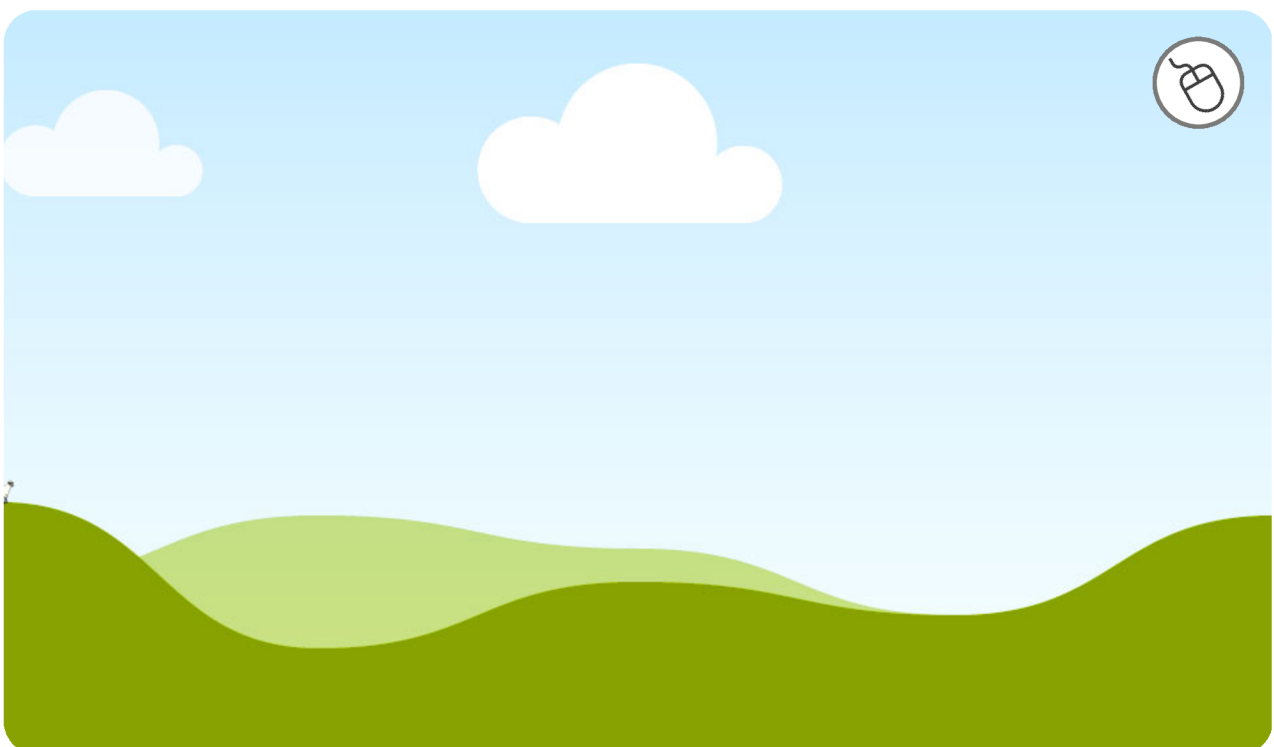
If you had to draw the Predjama Castle using basic geometric shapes, how would you do it? Remember not to add details. You have __ : __ minutes.

Geometric shapes



Create your digital postcard!

Predjama is a small village in Slovenia. Could you find out in which area Predjama Castle is located? Take a screenshot or find a photo of the monument, insert it in a frame, and create your Predjama postcard. You can use: Google Earth or Google Maps.





3D Design of the building

Do you dare to design the Predjama Castle? 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 Predjama Castle 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	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 Slovenia

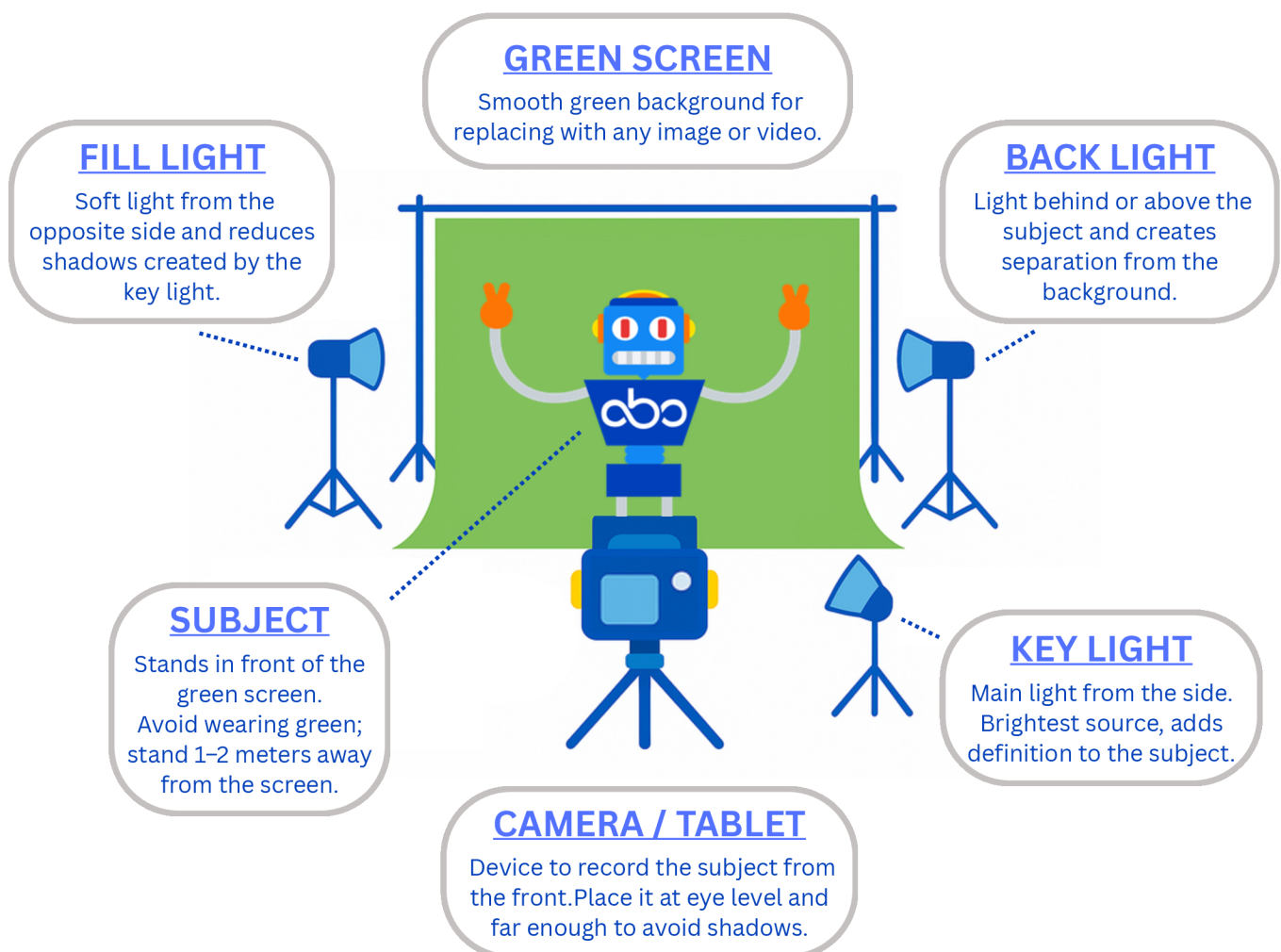
Create a **short video** where you present your virtual tour itinerary of the country you studied, using a **green screen background**.... What do you have to do?

- **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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