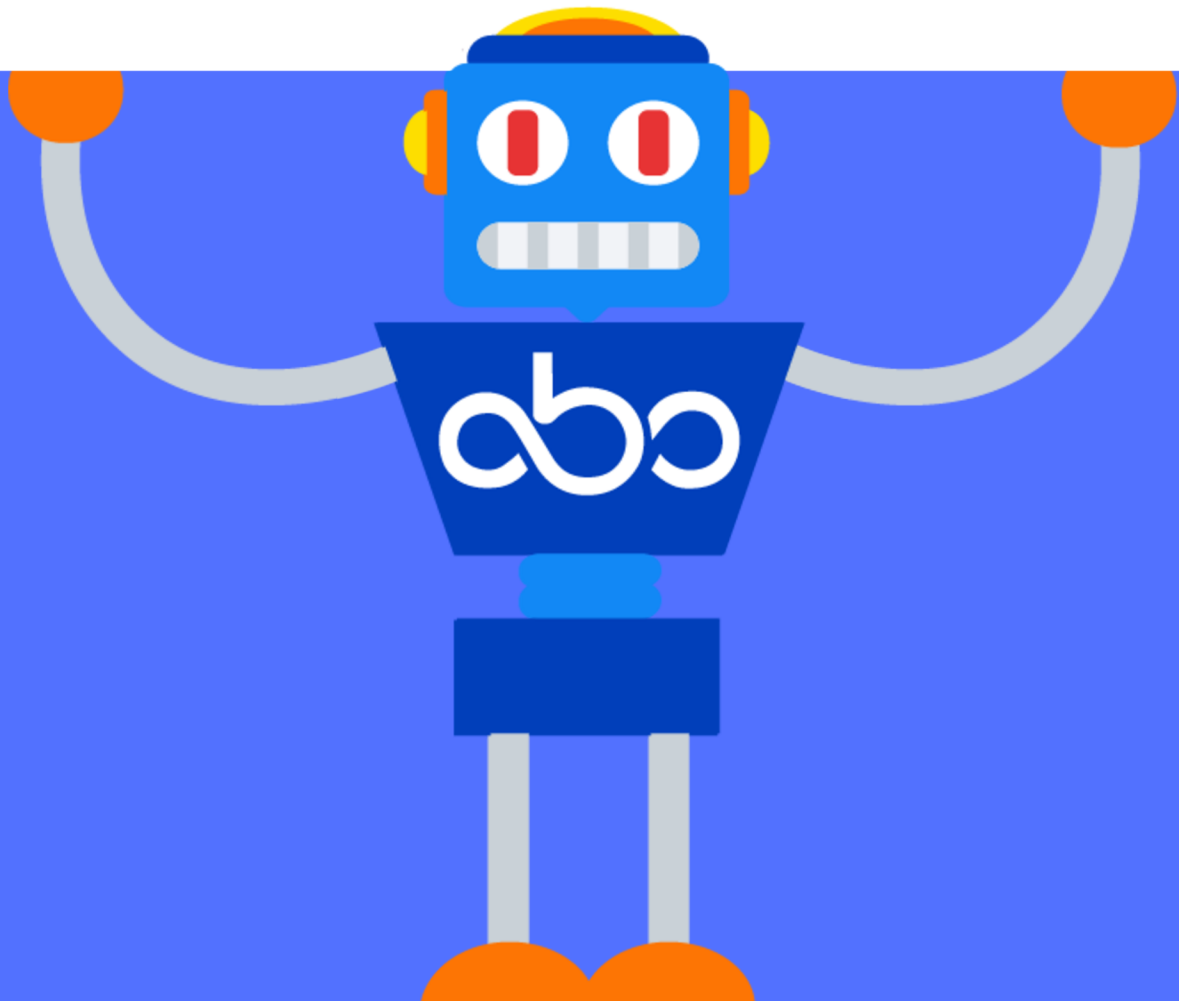




EU FOR ALL

Using Sustainable Entrepreneurship to Rebuild European Heritage for Everyone







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:

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PARTNERS:



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- Create a 3D design of the selected monument
- Prepare files and printing parameters
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5. Presentation Phase

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- Place it in the Alrt Museum frame
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Terms of Use and Funding

- Licensing, credits, and Erasmus+ co-funding





👁️ Bosnia and Herzegovina and its Culture

About Bosnia and Herzegovina

Bosnia and Herzegovina is a sovereign state in Europe, located in the Balkans. Its capital is Sarajevo, and it shares borders with Croatia, Serbia, and Montenegro.

It became independent in 1992 after the dissolution of Yugoslavia, and its current political structure was established by the Dayton Agreement in 1995. Although it is a candidate to join the European Union, it is still in the process of adaptation. Bosnia and Herzegovina is a member of the Council of Europe and actively participates in regional cooperation in the Balkans.

Map of Sarajevo	Geographic information
	• Capital: Sarajevo • Area: 51,197 km² • Population: Approximately 3.2 million inhabitants • Official languages: Bosnian, Croatian, and Serbian • Currency: Convertible Mark (BAM) • Climate: Moderately continental in the interior, with cold winters and warm summers; more Mediterranean in the south, near the Adriatic Sea.

Culture

In Bosnia and Herzegovina, traditional clothing varies by region and community (Bosniak, Croat, or Serb), but it generally features vibrant colors and intricate embroidery. Women typically wear long skirts, decorated blouses, vests, and headscarves. Men usually dress in white shirts, wide trousers, vests, and traditional hats such as the fez or the kapa.

As for the cuisine, one of the most typical dishes is čevapi, small grilled sausages made of minced meat, served with flatbread (lepinja) and onions. Another popular dish is burek, a crispy pastry filled with meat, cheese, or spinach.

Other Interesting Facts

- **Festivities:** Independence Day is celebrated on March 1st in the Federation of Bosnia and Herzegovina. Religious holidays such as Bajram (Eid), Christmas, and Easter are also important.
- **Heritage:** Notable landmarks include the Old Bridge of Mostar, a UNESCO World Heritage Site, and the historic center of Sarajevo, known for its cultural blend.
- **Sports:** Football is the most popular sport, followed by basketball and volleyball.

 Let's find it in the European Union

Where is Bosnia and Herzegovina, can you find it? Color it on the map and mark where the capital, Sarajevo, is located. Once you find it, mark the location of the city with a colored dot.

 Mark the city of Sarajevo

 **Comprensión lectora**

Once you have read the information about Bosnia and Herzegovina, answer the following questions:

- Which countries border Bosnia and Herzegovina?
- What is the capital?
- What ingredients are used in its most typical dish? What is it called?
- When is its most popular holiday celebrated? What is being celebrated?
- What place in Bosnia and Herzegovina is considered a UNESCO World Heritage site?



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🔍 Virtual tour of Sarajevo

Sarajevo is the capital of Bosnia and Herzegovina and is located in the center of the country, along the Miljacka River. The city is divided into several areas, with the old town being the most well-known, famous for its architecture and proximity to historical monuments. Can you find in which area the Sarajevo Clock Tower is located? Create an itinerary to visit at least three important monuments in the city and end at the Sarajevo Clock Tower.

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

Write your itinerary here



🔍 Fun with Flags

Search for information about the flag of Bosnia and Herzegovina and write down the aspects that stand out to you the most:



The flag of Bosnia y Herzegovina...



🔍 Search for information about the tower

- In which year was it built and who founded it?
- What is its historical significance?
- What does it symbolize?
- How tall is it?
- Can you find the exact coordinates?

• It was built by...

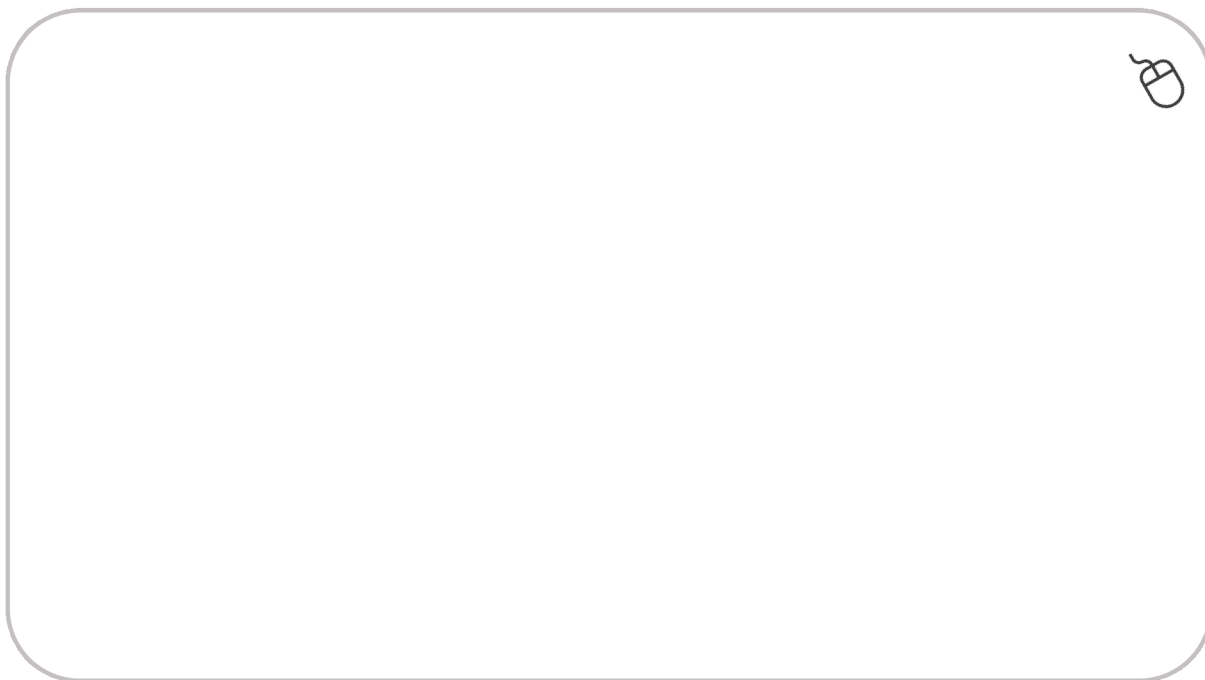
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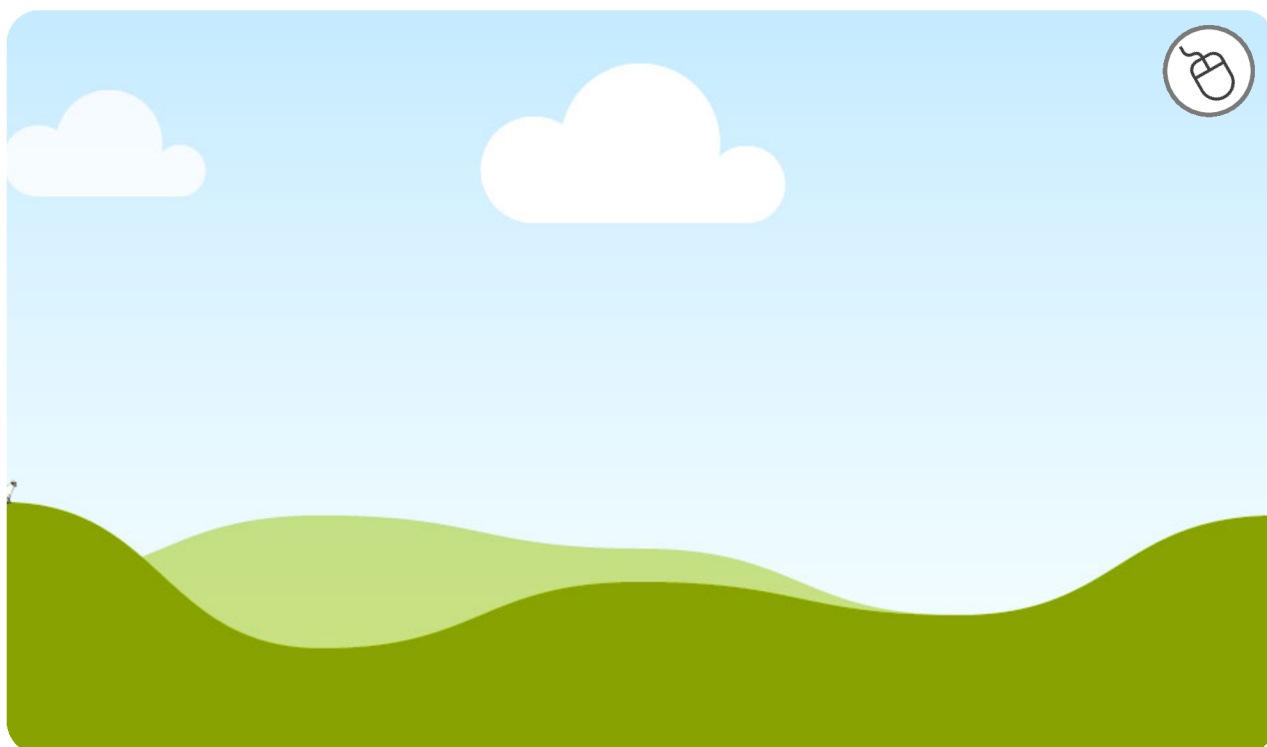
 Design Test: Countdown!

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

Geometric Shapes

**Create your digital postcard!**

Sarajevo is the capital of Bosnia and Herzegovina and is located in the center of the country, on the banks of the Miljacka River. Can you find which area the Sarajevo Clock Tower is in? Take a screenshot or find a photo of the tower, insert it into the frame, and create your postcard of Bosnia and Herzegovina. You can use Google Earth or Google Maps.





3D Design of the building

Dare to design the Sarajevo Clock Tower? Follow the instructions in the tutorial video.

We recommend:

- Searching for the monument on Google Earth.
- Downloading photos from different viewpoints.



Escanea el código QR para ver el videotutorial de la Torre del Reloj de Sarajevo

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 mm	Walls	2
Speed	300 mm/s	Top/Bottom Layers	4/3
Temperature	190°C – 210°C	Travel Speed	400 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

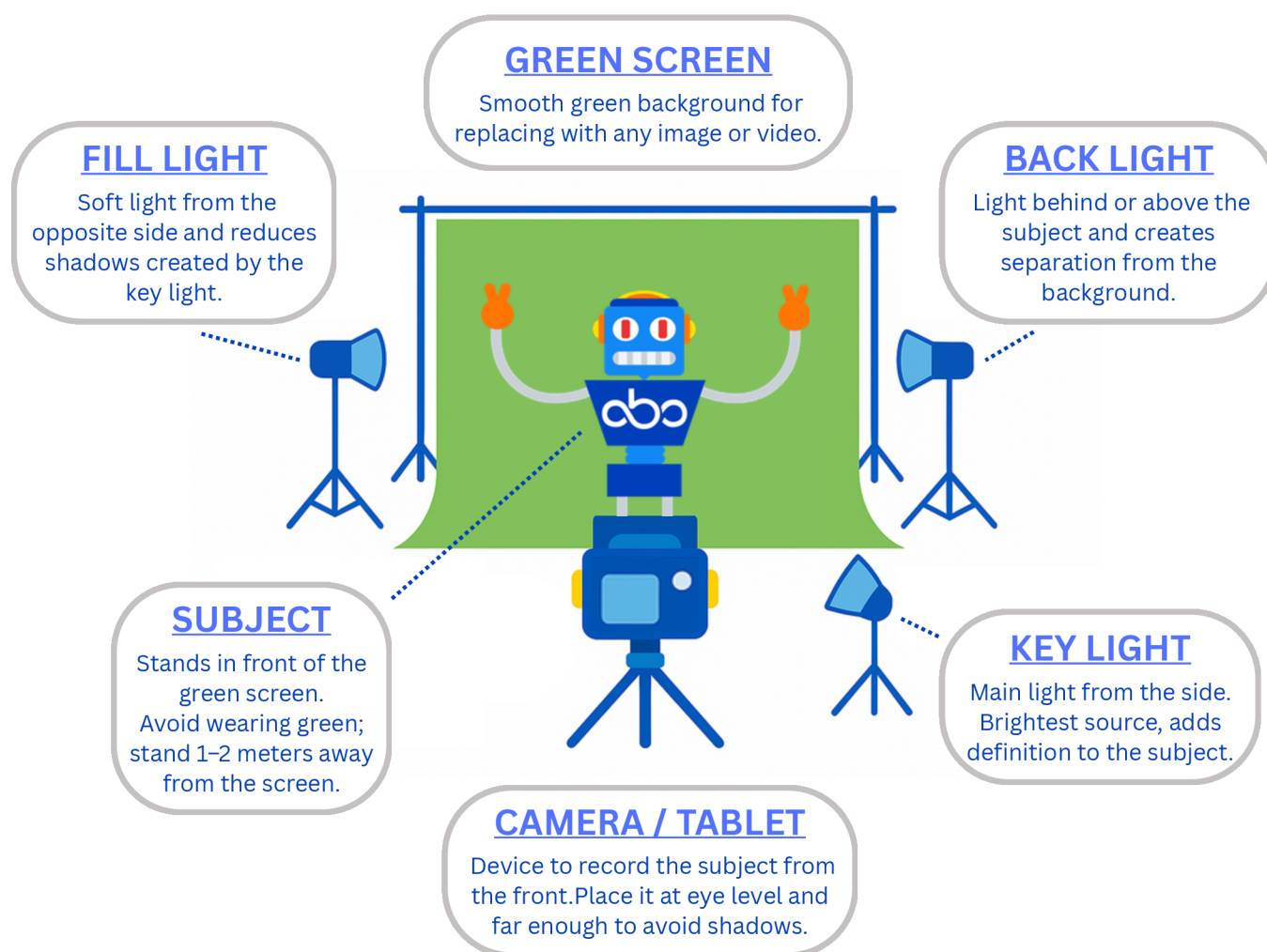
Create a **short video** where you present your virtual tour itinerary of the country you studied, using a **green screen background**.... What do you have to do?

- 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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