

# VR & AR CLASSROOM TRANSFORMERS

## VR & AR – Classroom Transformers - “This Is Us- Better Together”-Issue #4 - Teachers’ Training in Trabzon

**Location:** Trabzon, Ortahisar

**Dates:** 2–8 November 2025

---



## A Week of Innovation and Inspiration

This week, our team participated in the “**VR & AR – Classroom Transformers**” teachers’ took place in the beautiful city of **Trabzon, Türkiye**. The event brought together educators eager to explore how **Virtual and Augmented Reality technologies** can transform classroom learning across subjects. Throughout the week, we engaged in hands-on sessions, school visits, and inspiring presentations that highlighted the growing role of immersive technologies in education.



---

## Monday, 3 November – Exploring the World of VR in Education

The first sessions took place at **Ayfer Karakullukçu Primary School**, where our colleague **Orhan Topal** delivered an inspiring presentation on “**Virtual Reality in Education.**” He demonstrated how VR can enhance learning, particularly in **foreign language education**, through immersive experiences such as:

- Practicing virtual conversations with native speakers
- Visiting virtual towns for real-life communication practice
- Exploring schools in other countries to learn about culture and daily routines

Orhan also discussed the **advantages and challenges** of using VR, highlighting the importance of teacher training, shared equipment, and smart lesson planning.



---

## Tuesday, 4 November – Artificial Intelligence and Robotics

At **Trabzon University’s Center of Artificial Intelligence and Robotics**, participants discovered innovative work in **AI, coding, robotics, and 3D printing.**

The team presented cutting-edge projects that showed how these technologies can prepare

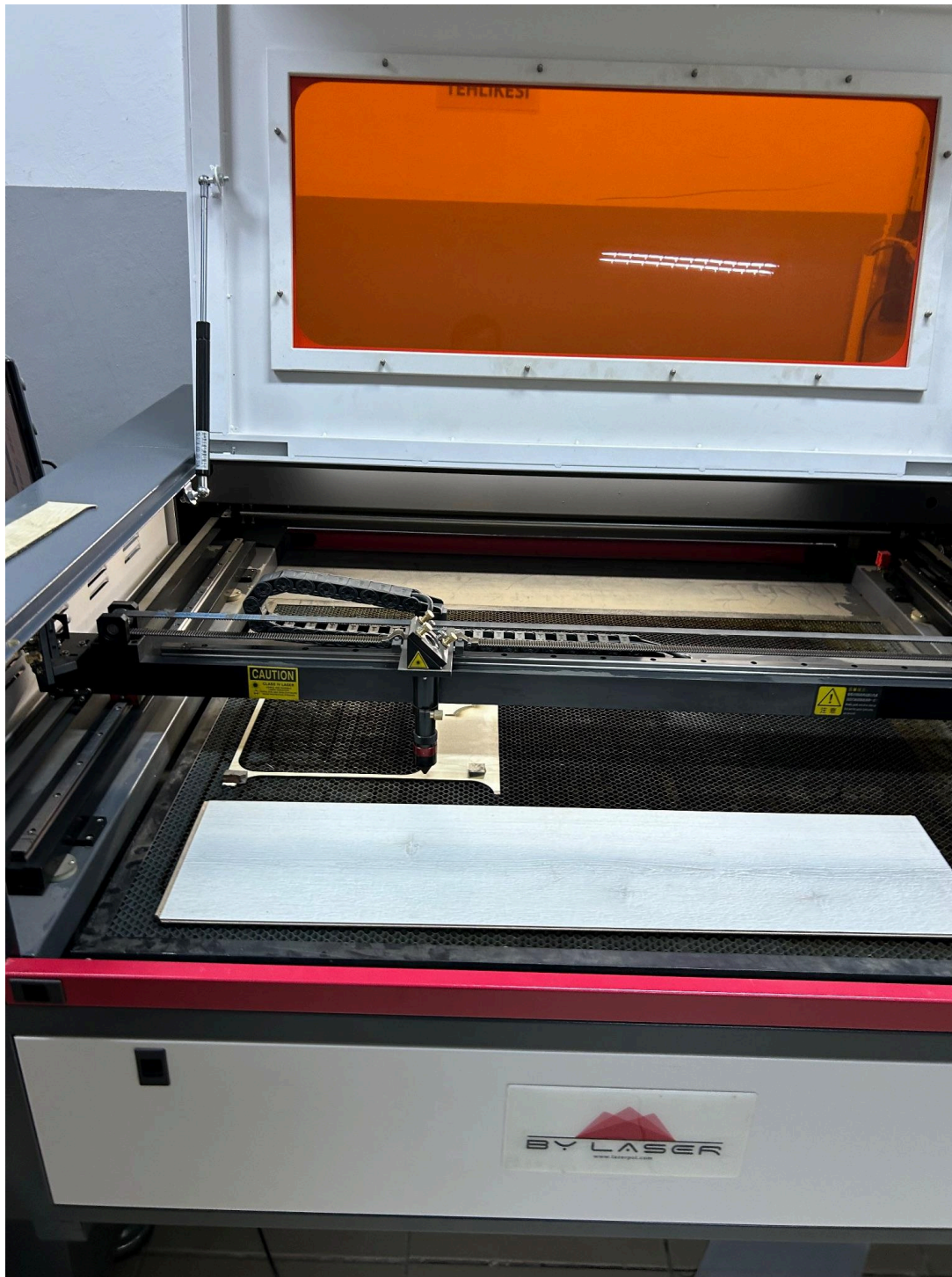
students for the future. Participants also had the chance to explore **robotics programming**, gaining insights into how robots are built and operated.

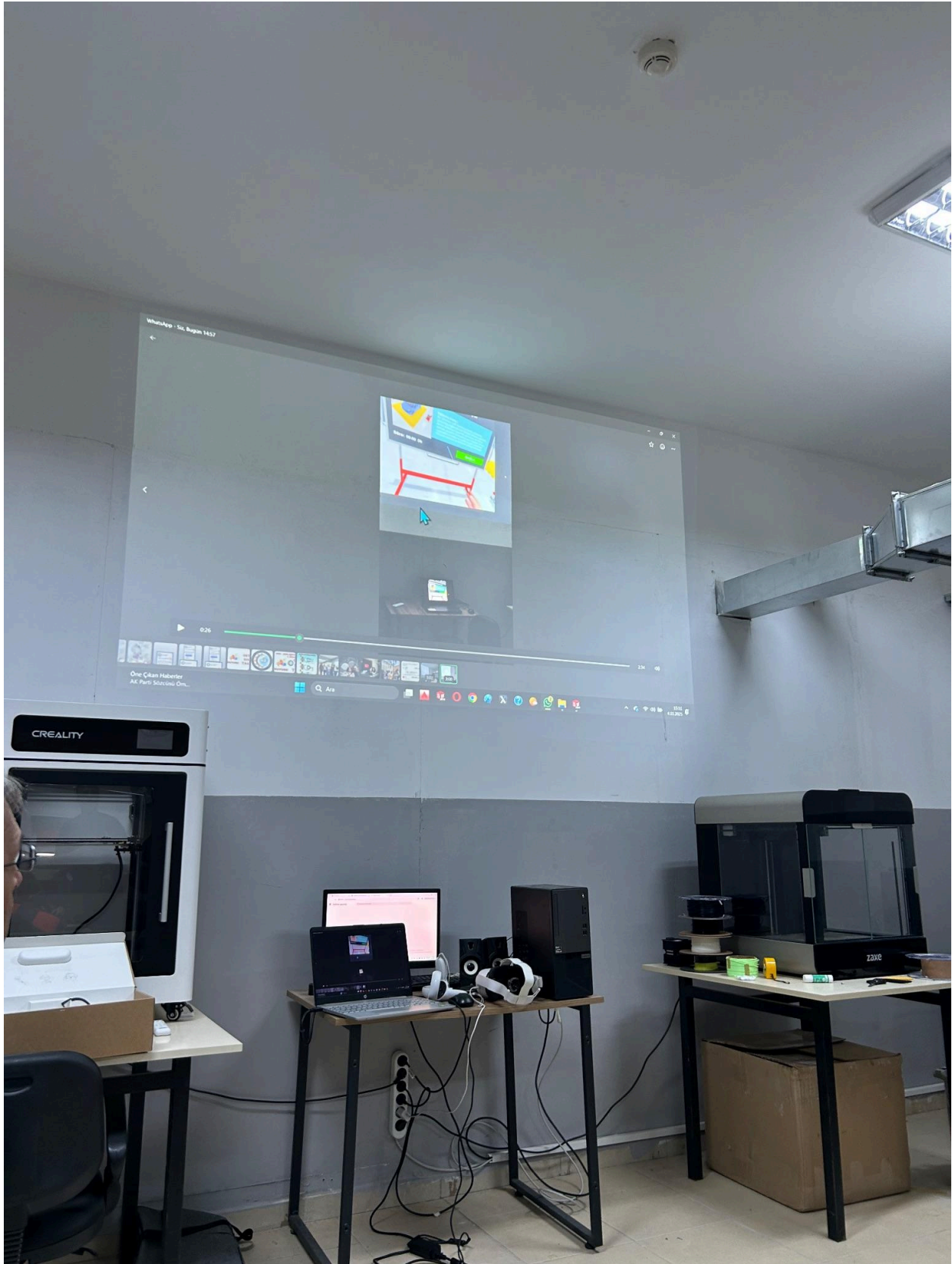






In the same day the Erasmus+ delegations visited the Prof. Nehmettin Erbakan Mesleki Teknik Anadolu Lisesi, in which the Smart Lab developed innovative VR activities.









---

## Wednesday, 5 November – Science and Rehabilitation through XR

We visited **Ahmet Uğur Turhan Science and Technology High School**, where students and teachers showcased their schools, towns, and countries.

Later, we took part in a **workshop on Physio XR**, a software developed to support **stroke rehabilitation** through virtual reality exercises. The system is being tested in collaboration with local hospitals, offering new hope to patients in recovery.

Special thanks to **Hayati Türe (Coordinator)** and **Muhammetalp Erdem** for their engaging presentation and hospitality.











---

## Cultural Discoveries in Trabzon

Beyond the classroom, participants explored Trabzon's rich culture and stunning landscapes:

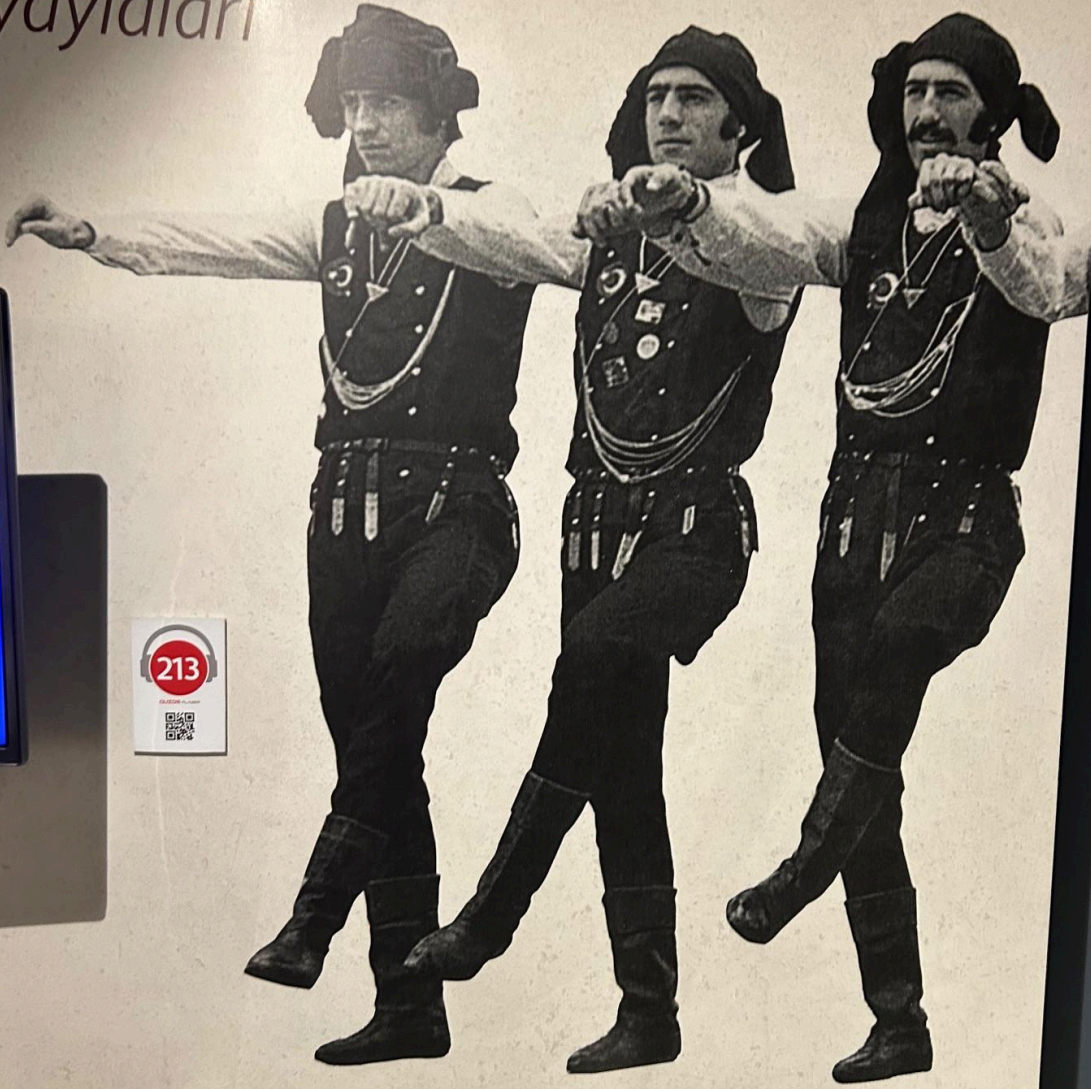
- **Atatürk Pavilion, Girls Monastery, and Ayasofya Mosque**
- **Seyir Teras**, offering panoramic views of the city
- **Cave Çal**, the world's second-longest cave open to visitors

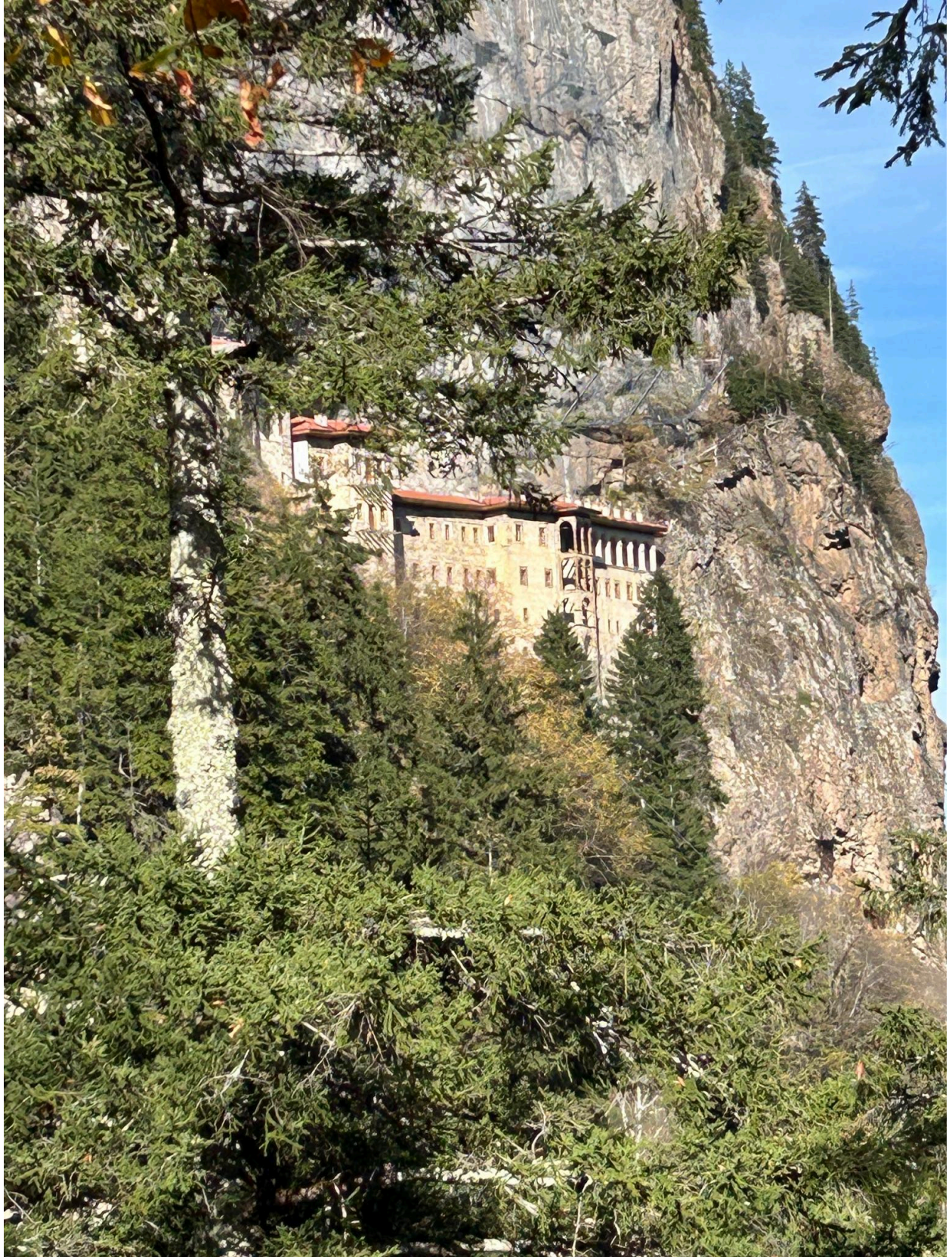
These visits allowed everyone to appreciate the natural beauty and hospitality of Trabzon while bonding as an international team.





hareketinde,  
yaylaları













---

## Developing Interdisciplinary Lesson Plans

Throughout the week, educators collaborated to design **five interdisciplinary lesson plans** integrating VR and AR across subjects such as **foreign languages, chemistry, maths, geography, biology, physics, and art.**

Ideas included:

- A **virtual shop** for language learning
- A **VR cell tour** for biology
- **AR-enhanced geography maps** and **3D chemistry visualizations**

The emphasis was on **practical, low-cost implementation**, encouraging teachers to share headsets, rotate groups, and ensure safe and ethical use of digital data.



## Our Application Addresses and Social Media Accounts

**Our Official Website:** <https://ai.trabzon.edu.tr/>  
**instagram:** @uzem.trabzon  
**facebook:** UzemTrabzon  
**Linkedin:** <https://www.linkedin.com/in/uzemtrabzon/>  
**Youtube:** /@TRUYapayZeka









---

## Reflections and Gratitude

The mobility demonstrated how immersive technologies can make education more interactive, inclusive, and exciting.

We extend our sincere thanks to:

**Ayfer Karakullukçu Primary School, Trabzon University, Ahmet Uğur Turhan Science and Technology High School,** and all partner institutions for their collaboration and warm hospitality.

Together, we continue transforming classrooms into spaces of **creativity, innovation, and connection.**











## **Erasmus+ KA220-SCH Project Team**

### **Participating Organizations & Countries**

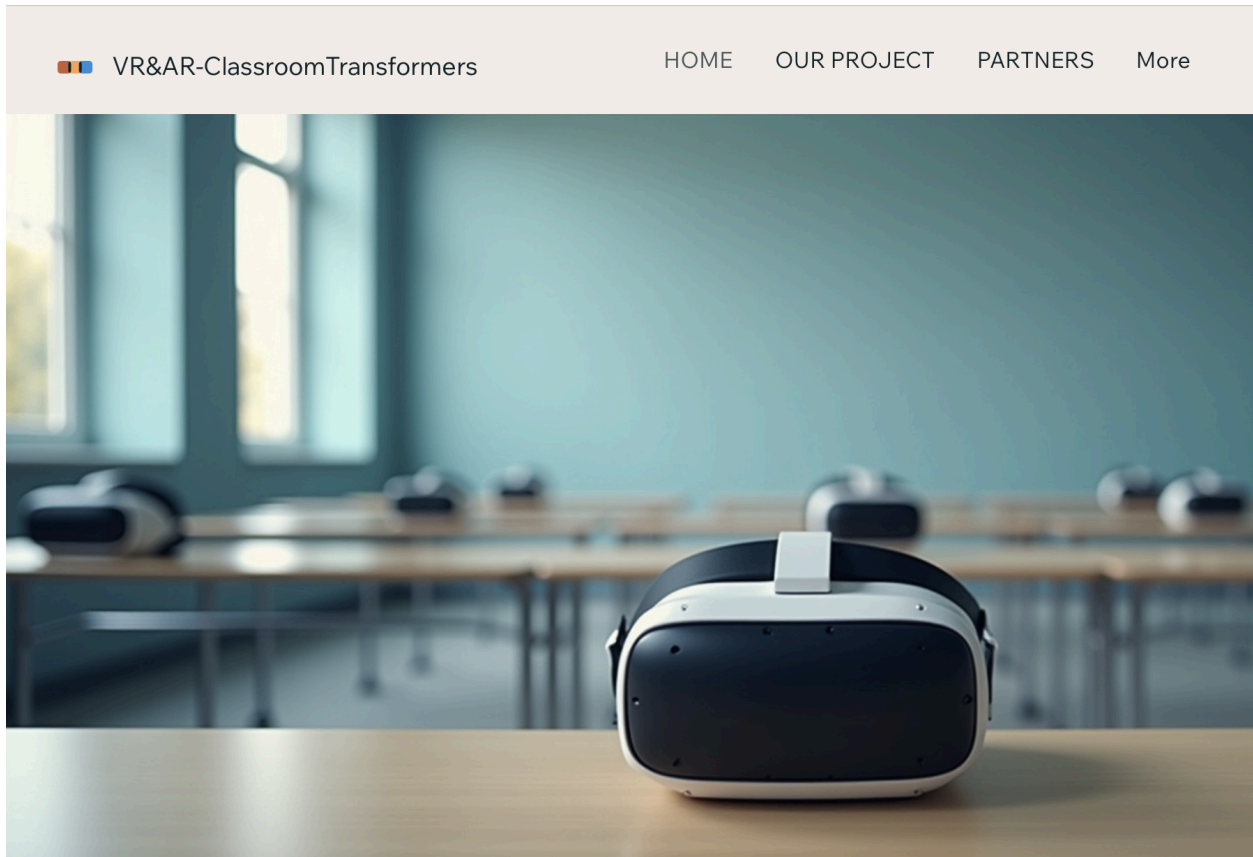
- **Lycée Professionnel Lumina Sophie Batelière (France)**
- **Colegiul National "Onisifor Ghibu" (Romania)**
- **Stichting RK Schoolbestuur (Curaçao)**
- **Dijital Girişimci Yenilikçi Eğitimciler Derneği (Turkey)**
- **Escola Básica e Secundária Dr. Luís Maurílio da Silva Dantas (Portugal)**
- **Peiratmatiko Gymnasio Rethymnou Panepistimiou Kritis (Greece)**

•

## Links & QR Codes

Scan the QR codes to explore additional information:

 **Official Project Website:**



 **Facebook Page:**



 **Photos & Videos from the Mobility:**

