





Slovenia

Topic:
Creative Skills

Achievement:
Innovative
Practices Learning
Together

Sector:
Video Games & Multi-
media

FabLab Zoo – Learning through digital Play

Carnival season in Slovenia usually means colourful masks and lively celebrations. This year, it also meant innovation. Through Center Rog's Learning Lab, students from two Slovenian primary schools explored digital technologies while crafting glowing bracelets and 3D masks in virtual classrooms.



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Challenge

When schools in Slovenia shifted online in 2020, educators were confronted with a critical question: how can digital classrooms stay engaging, practical, and connected to real-world learning? Center Rog designed its Learning Lab to address this challenge by merging creativity with technology.

Solution

Center Rog delivered two themed online workshops to students from two primary schools: a session on creating glowing e-textile bracelets and a session on building 3D Carnival masks. Mentors prepared detailed tutorial videos, printed guides, and mailed complete material kits to each student, ensuring everyone could participate fully from home. Workshops were held in small groups to allow personalised support, with mentors guiding students step-by-step through assembling circuits, sewing conductive thread, and constructing 3D paper masks.

Impact

The Learning Lab provided a memorable and meaningful remote learning experience during a difficult moment in the pandemic. Students gained confidence in using electronic components, learned the basics of 3D construction, and experienced the joy of making with their own hands. The personalised kits and professional mentoring created excitement in households, with teachers reporting strong parental appreciation. The programme strengthened the relationship between Center Rog and participating schools and proved that hands-on creativity can thrive even in online formats. Most importantly, it kept learning joyful and active at a time when students needed it most.

Milestones & Learnings

E-textile kits made electronics accessible, with students successfully building LED bracelets that sparked excitement and curiosity
Clear preparation—tutorial videos, printed instructions, and pre-packed kits—was essential for smooth online delivery
Designing 3D Carnival masks connected technology with cultural tradition, strengthening creative expression
Small-group sessions improved participation and allowed mentors to provide individual guidance
Challenges included occasional connectivity issues and the inherent limits of assisting children remotely
Students proudly showcased their creations at home, demonstrating high engagement and ownership

Key Takeaways

- The Learning Lab successfully introduced digital technologies to primary school students through fun, curriculum-aligned workshops on e-textiles and 3D paper design.
- Each pupil received a physical kit by mail, ensuring practical, interactive learning despite the online format.
- Clear tutorial videos, PDF guides, and live mentoring enabled smooth execution and minimised confusion during remote sessions.

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