

## Course Title: 3D Design in Innovative Classrooms

**Location:** Kayseri, Turkey

**Duration:** 5 Days (25 Contact Hours) **Target Group:** Primary, secondary, VET teachers, and school leaders

### Course Schedule

Day	Time	Module & Detailed Content
Monday	10:00-16:00	<b>Module 01: The 3D Digital Classroom - Opportunities &amp; Challenges</b> <ul style="list-style-type: none"><li>• Registration and expectations .</li><li>• Exploring how 3D design transforms spatial thinking and creativity .</li><li>• Addressing digital inclusion and technical readiness for 3D modeling in schools.</li></ul>
Tuesday	09:00-15:00	<b>Module 02: Foundations of 3D Modeling &amp; Pedagogical Integration</b> <ul style="list-style-type: none"><li>• Introduction to 21st-century skills: focus on creativity and critical thinking .</li><li>• Hands-on session: Basic geometry and CAD modeling for educational tools .</li><li>• Redesigning traditional lesson plans using 3D integration frameworks.</li></ul>
Wednesday	09:00-15:00	<b>Module 03: Advanced Design &amp; AI-Enhanced Creativity</b> <ul style="list-style-type: none"><li>• Role of AI in generating design prompts and personalized learning paths .</li><li>• Collaborative group work: Designing inclusive and adaptive learning materials .</li><li>• Applying blended learning models to design-based tasks.</li></ul>
Thursday	09:00-15:00	<b>Module 04: From Screen to Reality - 3D Printing &amp; Digital Portfolios</b> <ul style="list-style-type: none"><li>• Technical workshop: Slicing software, 3D printer maintenance, and classroom safety .</li><li>• Creating a simple website to showcase student 3D projects and share resources .</li><li>• Visual storytelling: Using infographics to explain complex 3D engineering concepts.</li></ul>

Day	Time	Module & Detailed Content
Friday	09:00-15:00	<p><b>Module 05: Innovation, Future Trends &amp; Final Workshop</b></p> <ul style="list-style-type: none"> <li>• Exploring AR (Augmented Reality) and future trends in digital education .</li> <li>• Peer feedback and refinement of final tech-integrated lesson plans .</li> <li>• Final reflection, personal action plans, and certificate ceremony.</li> </ul>

### Learning Outcomes

After completing this course, participants will be able to:

- Integrate 3D design tools and innovative pedagogies to create future-ready learning environments.
- Design technology-enhanced lessons that support differentiation and active participation.
- Use AI and creative media to inspire problem-solving and collaboration in every classroom.
- Reflect critically on emerging trends and adapt teaching practices to evolving 3D technologies.

### Methodology

This training follows an **Active & Experiential** approach. Participants will engage in hands-on workshops rather than passive lectures. The methods are **Collaborative & Inclusive**, fostering the sharing of diverse perspectives among European peers.