

Work Package 1: Project Coordination and Planning

Objective: Ensure effective coordination among partners, establish clear roles, and oversee project timelines and deliverables.

Tasks:

- 1:1 Prepare the project infrastructure, collaboration contracts, budget, ethics clearance and consent forms (USN) (plan in jan with U. teachers)
- 1:2 Conduct a kick-off meeting with all partners in Norway to define goals, responsibilities, and schedules (USN) (during the first visit)
- 1:3 Establish communication channels and collaborative tools (e.g., shared project management software) (USN) (TEAMS, google docs shared with Ukrainias)
- 1:4 Monitor progress, address challenges, and prepare interim and final project reports (USN + VSPNU)

Lead Partner: USN (academic coordinator).

Collaborators: VSPNU, NGOs, schools, and Norwegian library.

Work Package 2: Training and Capacity Building (will be done in Notodden 1st visit)

Objective: Equip Ukrainian educators and trainees with the principles of Invention Pedagogy and collaborative learning methods.

Tasks:

- 2:1 Design and deliver the training workshops on maker-centered learning, invention pedagogy, and design thinking in Norway for Ukrainian teacher educators (USN).
- 2:2 Introduce digital tools for hybrid makerspaces to facilitate resource-constrained implementation (USN + VSPNU).
- 2: 3 Provide both the Norwegian and Ukranian educators with a workshop on cross-cultural collaboration and the unique challenges of post-conflict education (USN + VSPNU).

Lead Partner: USN (content development and training delivery).

Collaborators: VSPNU, Norwegian school, and library (hosting training sessions).

Work Package 3: Pilot Implementation in Schools and Community Settings (done in Ukraine with help from USN on-line)

Objective: Implement and test small-scale maker-centered projects in participating schools and community spaces.

Tasks:

- 3:1 Collaboratively design maker-centered projects addressing local challenges (e.g., community rebuilding, sustainability) (USN + VSPNU)

- 3:2 Implement maker projects in two Ukrainian schools and two NGO-supported community centers (USN + VSPNU)
- 3:3 Facilitate cross-cultural collaboration between one Norwegian school and the Ukrainian schools through virtual project exchanges (USN + VSPNU).
- 3:4 Conduct sessions in the Norwegian library to engage students and educators in exploring Invention Pedagogy and supporting intercultural learning (USN + VSPNU).

Lead Partners: Ukrainian schools and NGOs (project implementation).

Collaborators: Norwegian school (Tveiten School, Notodden) and Notodden library (collaboration and resource sharing).

Work Package 4: Research and Evaluation

Objective: Collect and analyze data on the feasibility, impact, and scalability of innovation pedagogy in post-conflict and cross-cultural education contexts. (happens later in the project after data collection)

Tasks:

- 4:1 Design mixed-methods research tools, including surveys, interviews, and focus group protocols (USN) (we do together with Ukrainians during the last day of first visit)
- 4:2 Collect data from participants (teachers, trainees, students, and community members) during and after project activities. (VSPNU)
- 4:3 Analyze the impact of maker projects on fostering resilience, equity and agency (USN + VSPNU) (they start analyzing in April, we analyse together in May)
- 4:4 Identify challenges, barriers, and opportunities for scaling Invention Pedagogy in post-conflict and resource-constrained environments (USN + VSPNU) (they start analyzing in April, we analyse together in May)

Lead Partner: VSPNU (data collection and initial analysis).

Collaborators: USN (guidance on research design and final analysis will be made together with the Ukrainian academic partner and other stakeholders).

Work Package 5: Dissemination and Future Planning (happens in September-November)

Objective: Share project outcomes with stakeholders and lay the foundation for a larger EU-funded initiative.

Tasks:

- 5:1 Prepare an open-access booklet in PDF form for implementing Invention Pedagogy in resource-constrained settings.
- 5:2 Organize local exhibitions in Ukrainian schools and NGO centers to showcase student and teacher projects.

- 5:3 Publish preliminary findings in an academic journal and present at a regional and international educational conference. (worldmaking chapter in book, institutional presentation)
- 5:4 Draft a proposal for follow-up EU funding based on project outcomes and lessons learned.

Lead Partner: USN (dissemination leadership).

Collaborators: Ukrainian partners, Norwegian library (local dissemination and events).