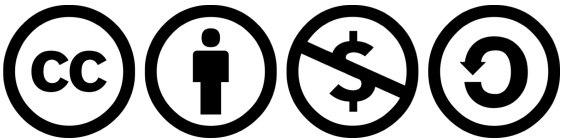


PILOT ACTION EVALUATION

DT252 - PP9 - Partner Report on Pilot 3
Workshops 18.10.2017., 25.11.2017. 07.12.2017.

Version 1
06 2018





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1. Short overview of the Pilot Action

Pilot Action related to education is organized in collaboration with associated partner Primary school Borovje, and with Primary school Lovro pl. Matacic both in Zagreb. Therefore all activities were targeted children in schools, 6-7y to 14-15y. Over 80 children were involved in those workshops, not only from those schools, but also from other schools and even kindergarten.

Idea was to offer hands on experience with various digital tools which can be use to bring their ideas to tangible objects.

The pilot 3 workshops was composed by three different course:

1. Workshop 1: Make-a-Tie, 18/10/2017 (National Tie Day)

First Pilot activity were made for around 40 childrens on National Tie Day. Intention was to bring together at least two subject, art and technical, and including informatics teacher. After short theoretical background children made individual drawing on Tie topic, and follow procedure to digitize, trace image, cut with vinyl cutter to get cutted designs which then were transferred to their T-Shirts.

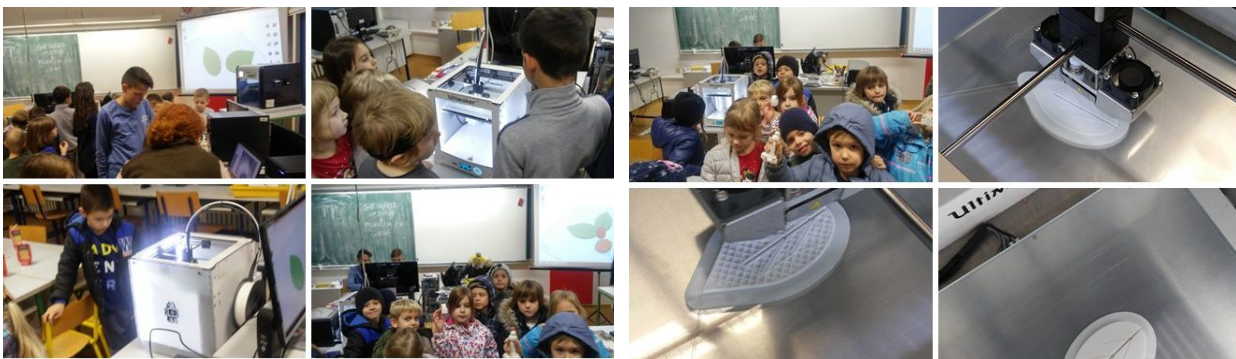


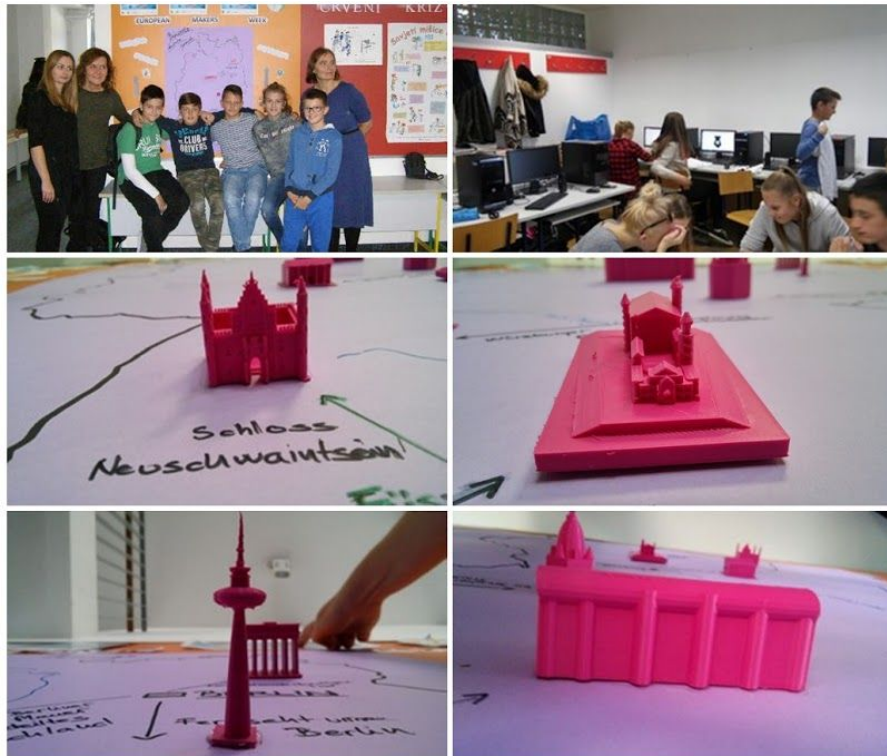


2. Workshop 2: Mobile Pets, 25/11/2017, as part of Knowledge Chain initiative

Using 3D printers in school for their projects was topic of second workshop. Either for pets or for buildings, kids use TinkerCad and SketchUp as 3D modeling tools, and 3D print their models as part of the workshops. Same intention like in previous workshop, here work together, teacher from biology, geography and technical subjects.

After short introduction and theoretical background, kids build their 3D models, and use 3D printer to print them. Both 3D modeling and 3D printing was assisted with few students from Faculty of Architecture, as part of Knowledge Chain initiative.





3. Workshop 3: Build LED Lamp, 07/12/2017, on Science Night

Third workshop was even more ambitious. Children should design lamp case in TinkerCad for 3D print, but also make simple electric circuit, consist of battery, switch, resistor and LED lamp. Technical subject teachers from two schools work together on this workshop with around 20 childrens.





2. Lessons learnt

Community does not necessarily mean a homogeneous whole where everyone knows. This activity showed how a community can work actively for social integration.

Keep doing

Inclusion of various subject teacher was great. Higher quality of designs (Make a Tie), when art teacher was involved

Explore intentional inclusion of kids with disabilities

Open and free access to the technology is necessary as part of overall changes in education which include STEAM skills and project based learning

Perform activities as part of other common events (National Tie Day, Science Night) bring more interest and have more impact

Start doing

Review evaluation and survey. It is hard to get children's attention after workshop is over, and they made something. Survey is usually filled very quick. Maybe in form of vblog or video interview?

Stop doing

Review evaluation and survey should be performed in different way.

3. Outcomes

Bringing different ages working together (Workshop 2), had great impact, can contribute developing soft skills of students, helping pupils to easier adopt new skills.

4. Sustainability

All workshops are with very low economic cost, but higher number can have more financial pressure. Use of 3D printer should be prepared, and overall, higher number of participants is not good for 3D printer, even with several of them.