

## C1 - fun@science teachers training

Tentative agenda

Rev. 01 Date 05.07.2018

### Introduction

The project activity FUN@SCIENCE teachers training will allow the partnership to **design a model for science education, working on all school level**, based on the valorization of 3D printing technologies and experiences not only as technology but as learning tool.

The implementation of this model will create learning experiences supported by 3D printing which can improve students' interest in scientific careers and in the development of logic and mathematics skills, as well as citizenship competences, complementing the other classroom activities or succeeding where the classroom might have failed. So, they will have the opportunity to join a peer learning path and acquire competences for designing extracurricular activities based on 3D printing for designing and realizing games (primary school), for designing and realizing more complex products (secondary junior school), for scanning, designing and making different items related to the science lab according to a well defined educational project.

The necessity of a joint session for all teachers/trainers was born because of previous project experiences in the field of school education: by realising the evaluation of training results, the partnership agreed that it is important to plan and share together methods and tools through which activate learning according to a common educational model. Only this can allow the partners to have outputs and results which are really innovative and scientifically comparable at European level.

### Participants

The training will be attended by 5 primary and secondary teachers/trainers for each country involved in the project. Teachers and trainers have to be experienced in teaching scientific disciplines.

### Venue

The training will be carried out in **TUCEP headquarter**.

**Address:** Via Martiri 28 Marzo n.35 – 06129 Perugia, Italy.

### Duration

The training will be held from October 15<sup>th</sup> to 19<sup>th</sup> 2018, for a total of 25 hours.

## Agenda

October 15th	Agenda	Responsible partner
16:00-18:00	<ul style="list-style-type: none"> <li>• Participants welcome</li> <li>• Participants presentation</li> <li>• Agenda presentation</li> </ul>	TUCEP
20:30	<ul style="list-style-type: none"> <li>• Social dinner</li> </ul>	
October 16th	Agenda	Responsible partner
9:00-13:00	<ul style="list-style-type: none"> <li>• 3D printing technology</li> <li>• The process of 3D printing</li> <li>• Technical elements and rules for using additive manufacturing techniques</li> </ul>	UNIPG
13:00-14:00	<ul style="list-style-type: none"> <li>• Lunch</li> </ul>	
14:00-16:30	<ul style="list-style-type: none"> <li>• Participants' round table about the application of training contents at school</li> </ul>	ICPG4
October 17th	Agenda	Responsible partner
9:00-13:00	<ul style="list-style-type: none"> <li>• 3D printing for teaching STEM: curricula, approaches and methodologies</li> </ul>	ICPG4
13:00-14:00	<ul style="list-style-type: none"> <li>• Lunch</li> </ul>	
14:00-16:30	<ul style="list-style-type: none"> <li>• Participants' round table about the application of training contents at school</li> </ul>	ICPG4

October 18th	Agenda	Responsible partner
9:00-13:00	<ul style="list-style-type: none"><li>• Practical exercises with a 3D printer</li></ul>	UNIPG
13:00-14:00	<ul style="list-style-type: none"><li>• Lunch</li></ul>	
14:00-16:30	<ul style="list-style-type: none"><li>• Building didactic scenarios</li></ul>	ICPG4
20:30	<ul style="list-style-type: none"><li>• Social dinner</li></ul>	

October 19th	Agenda	Responsible partner
9:00-12:30	<ul style="list-style-type: none"><li>• Peer review session about training experience</li><li>• Administration of evaluation questionnaire</li><li>• Delivery of attendance certificate</li></ul>	TUCEP

*The costs for travel and stay (including hotel, lunches and dinners) will be in charge of each partner, as provided in the application. TUCEP staff will support partners in organizing accommodation and will organize lunches on 16<sup>th</sup>, 17<sup>th</sup>, 18<sup>th</sup> and the social dinners provided on 15<sup>th</sup> and 19<sup>th</sup>.*