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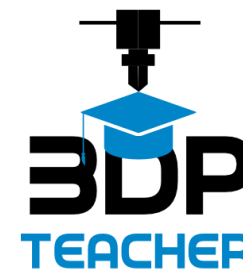
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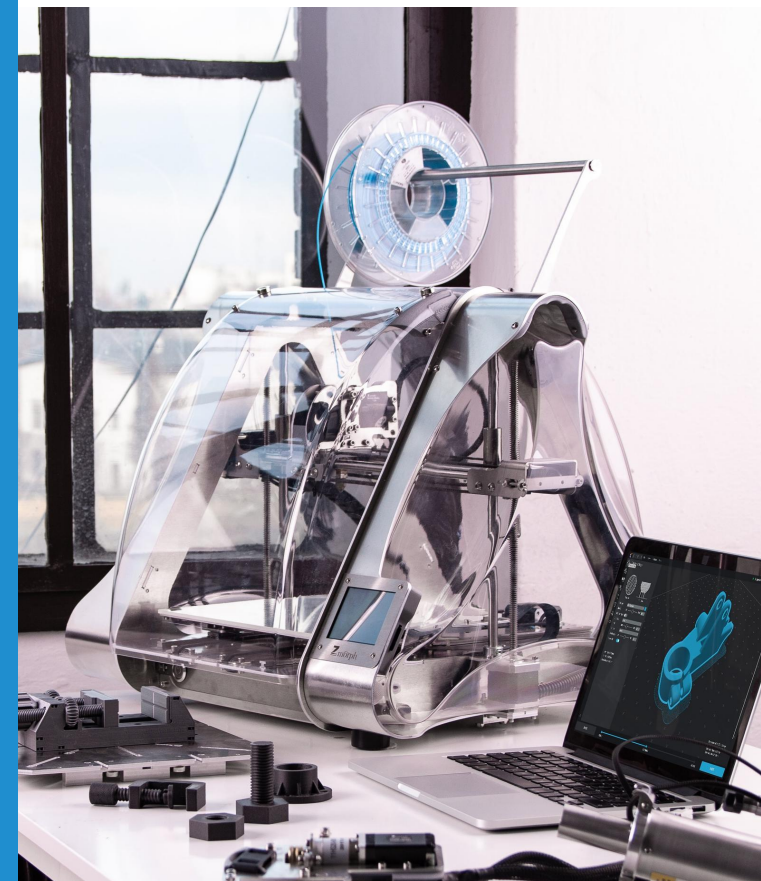
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IMPLEMENTATION OF 3D PRINTING
IN FUTURE EDUCATION



The EU initiative that aims to improve the digital competences of teachers in relation to implementing of 3D printing in education.



PROJECT RESULTS

3DP TEACHER'S guidebook

This first result is designed to convey all the relevant knowledge available now about 3D printing as a free resource to the teachers and present it in a way that most of them would find accessible. The Guidebooks' objective is to give teachers most recent knowledge on the subject, show them possibilities of implementation and guide them step by step through the process of preparation, designing and printing of an object. The Guidebook will cover introduction to 3DP, technical aspects including hardware and software, methodology aspects, collection of case studies, lesson plans and recommendations on possible implementation of 3DP in education, where to look for 3D models and how to describe them, as well as chapter on safety issues and glossary.

Innovative teacher's environment (ITE)

Innovative Teachers Environment (ITE) will be a platform serving as a place for sharing knowledge, experience, ideas on 3DP technology, with potential to start community of 3DP teacher experts, which will help in future implementation of this technology. Network of teachers interested in the subject of 3D printing will serve as a base for platform users.

ITE platform will consist of several sections:

- 3DP Teachers' Guidebook (IO1)
- 3D Modelling Course (3DM)
- 3D models by teachers
- Lesson plans/Recommendations
- Database of teachers/schools interested in using 3DP
- Database of 3DP companies interested in cooperation with schools
- News

ABOUT 3DP TEACHER

The Industry 4.0, and particularly technology of 3D printing (3DP) is entering schools curricula all over the world, and its potential is becoming widely recognized.

Many teachers consider this innovation in the sector welcome and necessary, but they very often lack proper technical and methodological knowledge to embrace this new technology.

The 3DP TEACHER project addresses the above issues and based on the assumptions that the process of filling this gap should start at the earliest stage possible.

- teachers from secondary schools interested in innovations and development of their digital skills in teaching
- students interested in new technologies and pursuing career in rapidly developing technology market
- school managers/directors, officials responsible for education.

AIMS AND OBJECTIVES

The main aim of 3DP TEACHER project is to improve the digital competences of teachers in relation to implementing of 3D printing in education. This will be achieved through:

- developing 3DP Teachers' Guidebook (covering case studies, lesson plans with 3DP, recommendations on possible implementation); developing 3D modelling course for Teachers;
- developing of online environment for teachers interested in applying 3DP solutions;
- initiating the network of 3DP teacher experts.

Project's objective is also to facilitate cooperation between schools, policy makers in the field of educations and business sector. This cooperation is crucial from the point of view of future implementation of 3DP.