

3D printing in school education



When we think about the future of society and humanity in general, the cornerstones for the successful construction of the foundation for a better tomorrow, the first word that sounds to our ears is and should be "children".

As the use of 3D printing is spreading more and more in the field of construction, we believe that it is mandatory for students to learn about this technology by including it to the school curriculum. Otherwise, students will never be properly equipped and prepared for the real world. Despite the importance, low cost and low risk, the integration of 3D printing in schools seems to be slow. This is mainly happening due to the lack of knowledge about this technology and its relevance to the part of people who decide on these issues.

Students are usually more willing to accept new ideas and methodologies such as the 3D printing which is considered as an important educational factor and can improve the overall learning experience.

Some of the 3D printing benefits to school education are:

1. Greater motivation, as a result of enthusiasm which increases the students' creativity, their critical thinking and their engagement in the classroom.

The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

2. Students can engage more easily in activities that are more tangible, such as conceptualization, visualization and 3D printing of components.
3. Development of self-confidence and problem-solving skills.
4. Visual and tangible aids that can be used to better visualize concepts to make them easier to understand.

It is possible to find more information about 3D printing, including applications, trends and its benefits for Education in the “3DP TEACHERS’ GUIDEBOOK”. Make sure you are following the “3DP TEACHER - implementation of 3D Printing in future education” project’s [Facebook page](#) to be the first to know when the guidebook is published on [project’s website](#).