

WIP: How 3D Printing and CAD/CAM Design can Influence Students in Classes Outside of STEM - Inspiring them to Pursue Careers in STEM

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Abstract

3D printing and CAD/CAM design is the technology with the biggest increase over the last six years; with market and patent creations increasing tenfold since 2013. Students in all fields have a need to learn these skills to become part of the technological world we are reaching. For the majority of that timeframe these technologies have also been mostly closed and used only from STEM classes, limiting the access to students in other fields. This paper will share the reasons behind the projects' success, and the impact it has had on students from all fields including how students themselves are a key part of the program.