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3-Dimensional Printing for an Innovating World

3-dimensional printing has been a new technology that is increasing due to its convince and accuracy. The purpose of this research was to investigate the how this technology can be used in different sectors and to attempt a personal design for educational purposes. Aerospace, healthcare, and education are some of the few sectors that have expanded their usage of this technology. NASA has expanded their manufacturing and are currently testing 3D printed material for their rocket hardware. I have seen how old methods have been upgraded by using 3-dimensional technology in the dental field. Computer aided design allowed me to create a 3D printable vector example for the use in an introductory physics class. We discovered free online software to create an education model and it is available to anyone with an internet connection. We completed a preliminary print before the printing of our actual vector tool. Unfortunately, we ran into design and printer calibration issues and were not able to finalize the vector tool.