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In today's dynamic world, technology is advancing at an exponential pace. The ability to rapidly manufacture a custom part is becoming a more advantageous ability by the minute.

Projections

Our society is in the midst of a 3D printing revolution. 3D printers are now becoming not only an asset for industrial purposes due to an increasing diversity of materials, but a consumer product. Predicted to become a piece of millionaires daily lives. 3D printing is the process of taking a three dimensional digital draft of an object, and creating it, primarily out of plastics.

Benefits for the students

A 3D printer can be valuable asset for the schools robotics team. The ability to digitally draft an object and create the part can drastically cut down on time needed to create subsystems for the final project. In addition, students will understand how to create a 3D image and translate that into a solid piece. With the knowledge that these students will gain will be a benefit for them. Once they plan their future either becoming an engineer or somewhat way off. This kind of knowledge will be a benefit for the students, it won't be worthless to learn this but it would be an experience. For the students that are planning on becoming engineers they just made their first year in college a whole lot smoother. There are no alternatives that exist.

Technical Specifications

The Maker Bot 3D printer is priced at \$2,199.99. The build size 11.2"x6"x6.1". You can upload your drawings with a USB or SD Card. The maximum build volume a drawing could have is 11.2"x6"x6.1". You can buy the materials directly from the Maker Bot website.

Respectfully,

Amreen Akbar