

COMPUTER NUMERICAL CONTROL (CNC) ROUTER MACHINE

St. Joseph High School - Trumbull



2022 - 2023

PROJECT UPDATE



Grant Amount: \$14,450
Project Cost: \$12,519.73+



Students Impacted
Grades _____

PURPOSE: To provide students in IDEA or Engineering classes a new age way to manufacture a variety of materials from wood to plastics. A Computer Numerical Control (CNC) Router Machine processes materials using coded programmed instructions. It combines the precision of software and automation with the creativity from art and tech classes.

IMPACT: The benefits to students include high engagement levels by using software to create designs, translating that design into the programmed instructions, learning through application, and ultimately seeing their designs come to life. Bringing industry practices into the education setting and allowing students to experience the entire process from start to finish is crucial to preparing students for their futures. Allowing a student to create and design and then have the design come to life into a 3D object can transform their lives and foster a love for inventiveness and forward thinking.

FUTURE PLANS: This CNC Router machine will continue to be part of the students' educational experience.

