

# COMPUTER AIDED DESIGN (CAD): EMPOWERING THE FUTURE OF STEM

Kolbe Cathedral High School - Bridgeport

## 2022 - 2023 PROJECT UPDATE



Grant Amount: \$14,996  
Project Cost: \$10,778+



38 Students Impacted  
Grades 10-12

**PURPOSE:** To pilot and permanently add a 3D printing class to our curriculum.

**IMPACT:** This grant has made a difference in the scope of the lessons for the 3D printing class. It helped increase the students' academic performance by giving them confidence from succeeding in learning a new skill. They were apprehensive at first, thinking it was going to be difficult to create objects. Starting with a small simple project allowed them to see how easy it is. As the level of complexity increased, they rose to the challenge. Because we were able to buy four 3D printers, the students' work could be printed in a more timely manner. This class allowed students with different learning styles to thrive.

**FUTURE PLANS:** We will continue to offer the 3D printing classes. The remaining funds will allow us to purchase additional filament and provide students with MakerBot certifications.

