

Nine students from EPrep spent a class period in our Engineering Makerspace. The students were given an overview of the engineering classes Benedictine offers, the laser engraver, 3D printers, robots, and drones in the room as well as the computer modeling capability.

They were then given an Engineering challenge that focused on the growth of tall buildings and their structures. The students worked in teams to build the tallest tower they could with limited materials that supported the weight of a golf ball. They followed the design process as they built, evaluated and improved their designs.

The objectives included:

- ♠ Learn about structural engineering.
- ♠ Learn about engineering design and redesign.
- ♠ Learn how engineering can help solve society's challenges.
- ♠ Learn about teamwork and problem solving.

It was a start at developing the students' abilities to apply the design process. It also had the students developing and using of construction technologies.

