

# STEM CODING PROJECT

St. Joseph School, Danbury

2019-2020  
PROJECT UPDATE



Grant Amount: \$6,500  
Project Cost: \$1,327



200+ Students Impacted  
Kindergarten - Grade 8

**PURPOSE:** To introduce coding and programming to students of various grade levels. Utilizing Edison Robots in innovation zone classes, the students use creativity and innovation with the use of these robots to reach their goals. Using robots to write code and program to make the robots function provide students with the hands-on experience of seeing a computer work in real time.

**IMPACT:** The grant has made a difference in the quality of the lessons provided by adding a different modality to the way the students learn and engage. They can use the robots to navigate multiple mazes and are able to apply this technology to different core subject areas. The students were more engaged in activities that promoted their problem solving skills and innovation skills. They were able to think outside the box to solve problems and worked with each other to navigate issues as they arose.

**FUTURE PLANS:** This project will continue. Use of the robots will become a part of the innovation zone and technology class, and will be incorporated into the curriculum.

