A.I. T.A.

Nutt, Gracie (School: Tioga High School)

The purpose of this project is to create a robot that is capable of aiding teachers in their daily tasks. Many teachers have tasks that require them to deliver papers, books, and/or other supplies. A robot could remove this repetitive task and help them save time in their day. The robot shape is similar to a box. The base is built out of materials from a Vex robotics kit. The height is primarily composed of tin and pop rivets. The top of the robot is a shelf that can hold a wide variety of items from textbooks to pencils. The shelf is five inches below the top of the robot to create a ledge so that the items placed on the shelf will not be lost. The sensors that can be programmed should the robot be used autonomously are attached to the sides. The brain is where the programs are stored and the sensors and motors are connected. There is an antenna close to the brain which is how the remote is used wirelessly. The results of this experiment are that many teachers found that they could use this robot for their daily tasks. Some of the main concerns were that the robot could run into objects and/or people. In conclusion, this robot has the potential to aid teachers with their daily tasks. This prototype was a great beginning to see if robots could be useful in schools.

Awards Won: