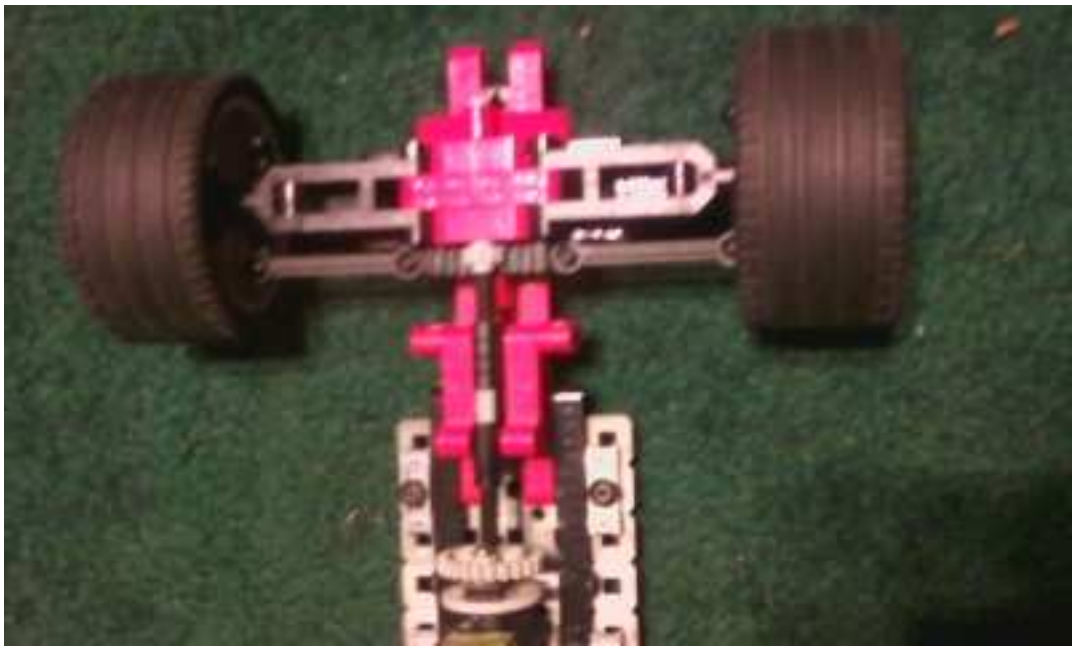
Ross Gaudet
Tony Bottomly
Dewitt Perry Middle School

Autonomous Car

This is a four wheeled car that uses two sonar sensors to guide its self around a track. The two sensors are mounted on the opposite sides of the car, in between the wheels. They are placed where they will not detect the wheels will be able to detect everything else around it. It is programmed to constantly go forward, the mechanism in the front of the car allows it to turn. This system is a geared turning system, as the servo turns the gear goes across a geared path to push and pull the wheels in a certain direction. This allows the car to turn while going forward. To turn, the sonar sensors are programmed to detect a certain distance from the walls, once the distance from the walls is to close the servo will go to a position and the car will turn.