

Robotics

The word robot comes from the czech word robota. The word robata means forced labor intensive work. Now the word robot means a man made machine that does simple repetitive tasks. But there are also things like



remote control robots or remote control cars. Like remote control cars there are remote control wheelchairs. Robotic wheelchairs cost over 20,000 dollars. They have a handle which is used to control where the user goes. This leaves people with a disability with nothing to do and nowhere to go. Cillian Jackson has a disability which left him unable to walk. But with the help of Farmington high school Cillian Jackson got a remote control wheelchair. Cillian was born with no mobility in his legs. Cillian could not move or go anywhere without being carried. Farmington high school used the shell of a regular electric toy car and replaced almost every component. Then they took the seat of a small childrens bike and attached it to the wheelchair. Next they 3d printed a custom fit handle for Cillian. The fourth task was to simply put some cut up foam noodles as bumpers. When the electronics team first got the call the coach immediately accepted. The team felt the same way. After a few bumps and jostles Cillian figured out how it worked. Now

Cillian is having a lot of fun moving around the house and other places. Both Cillian and the parents are thankful for the wheelchair. Cillian can now live a normal life of moving around.