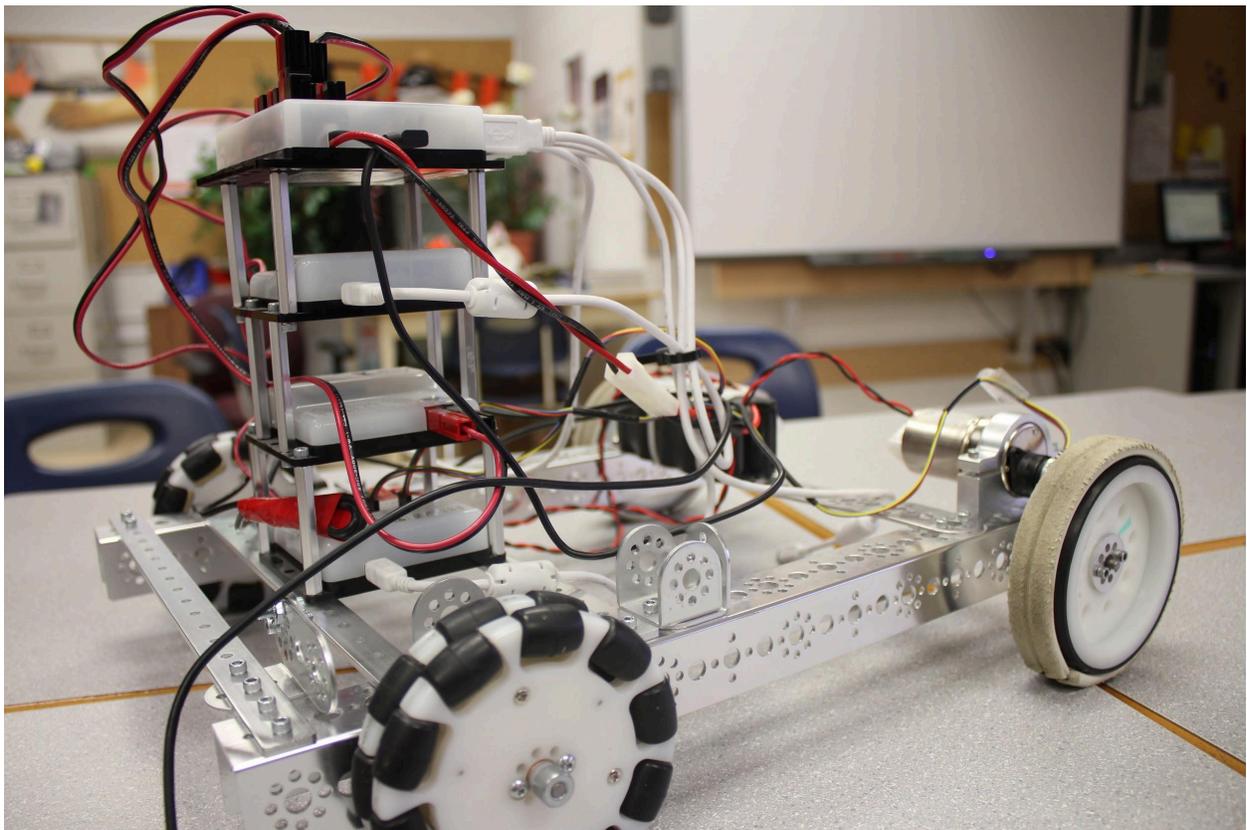


Aberhart Robotics Republic FIRST Blog!

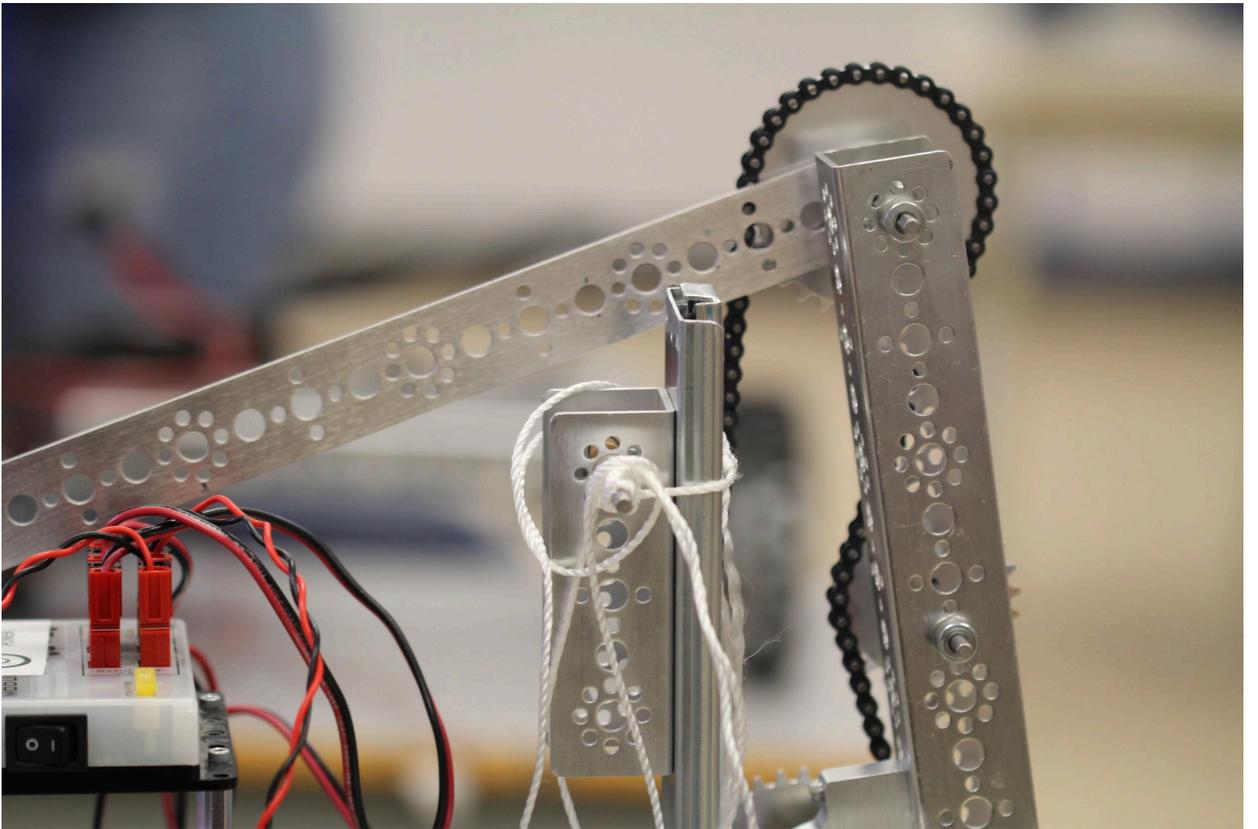
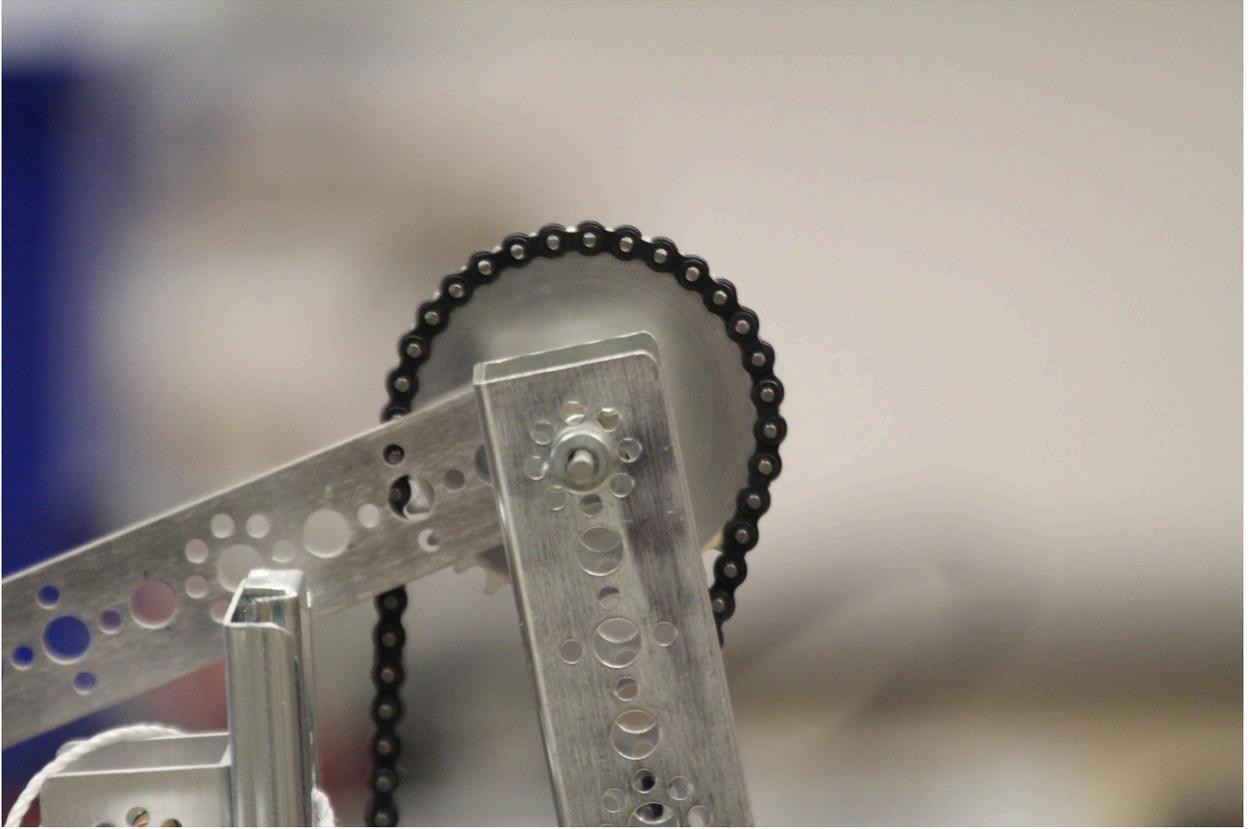
Pun intended. The FIRST Tech Challenge that Team Orange is participating in this year springs the name of Rover Ruckus, a space-themed, alliance format, head-to-head competition involving craters of gold and silver: for more details about the competition and robot specific rules, go to <https://www.firstinspires.org/robotics/ftc>.

Evolving from a simple metal chassis, our robot (and our team) have been through a lot of emotional and physical stress and change.

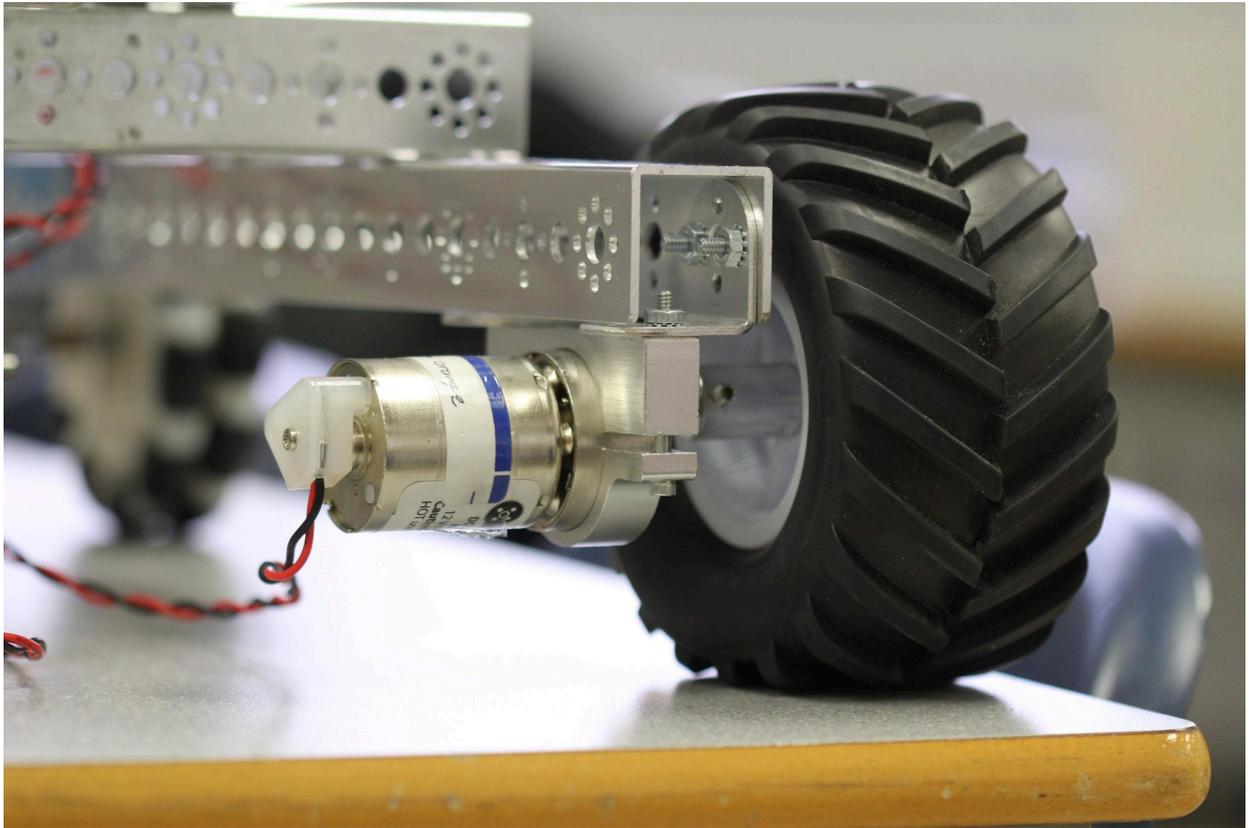


After proposing and discarding various designs, we decided on providing our robot with 2 different claws: a chin-up claw, based on a pulley system, and a arm-like claw functioning through gears and chains.





Compared to the old thing, our new robots features a simple phone holder near the foot of the robot composed of sponges and screws ensures the phone stays in place (we would be broke if it broke) and newer, larger rear wheels to facilitate the process of driving over the crater edges.



In terms of coding, our robot can definitely drive; great were the times of trying to trip team members and using all the battery life.

