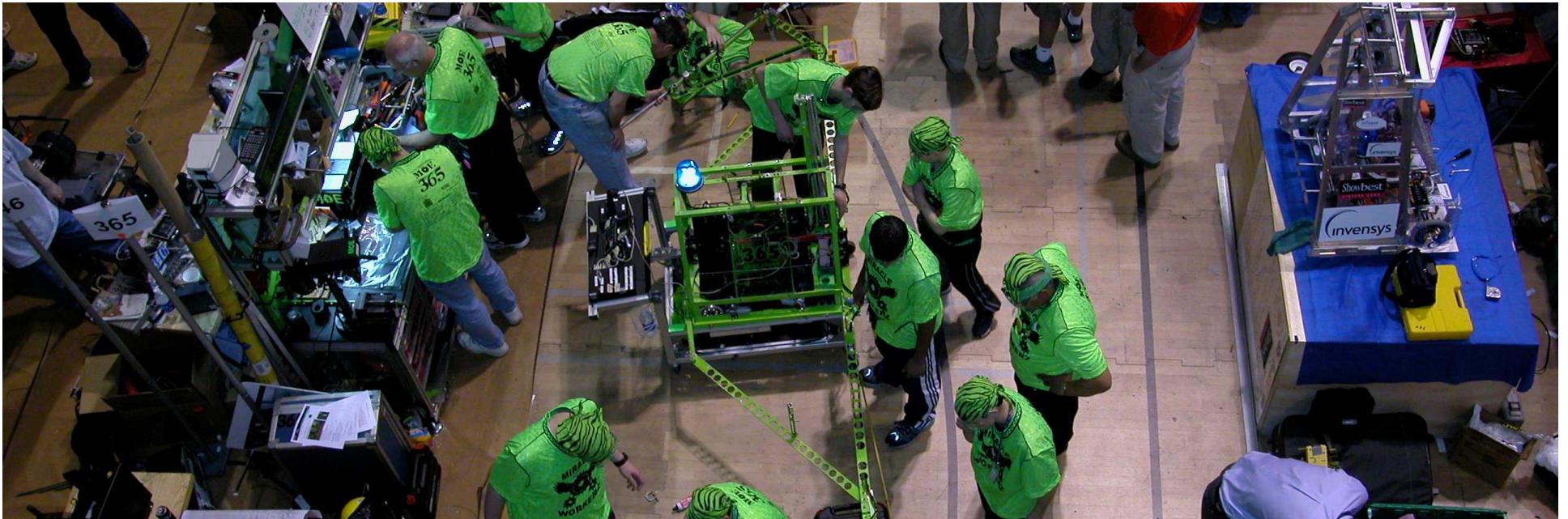




We Build Robots





We are high school kids on a *robotics* team called the *Miracle Workerz*.



We build robots.



Each robot plays a different game against other robots. There is a new game every year.



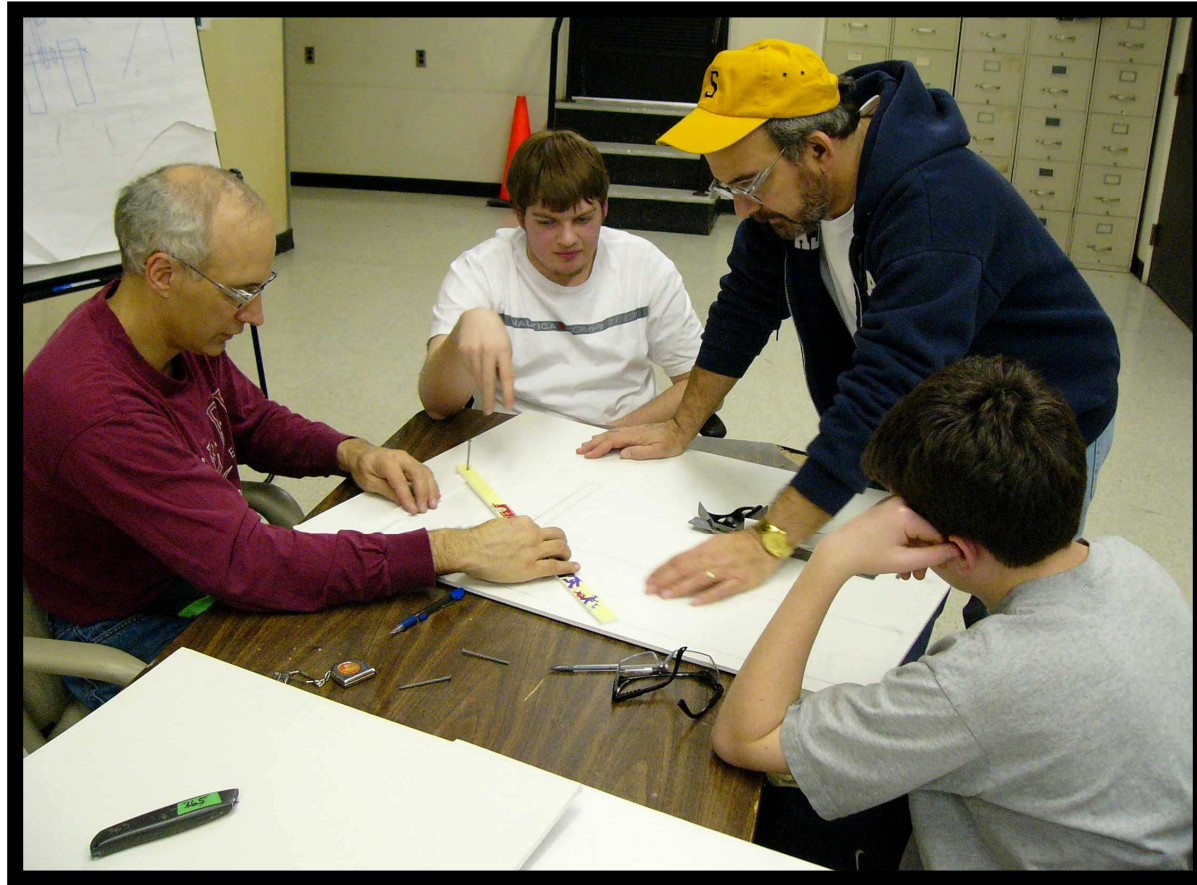
We learn the game and
plan ways to win it.



How can a robot help us play this game?

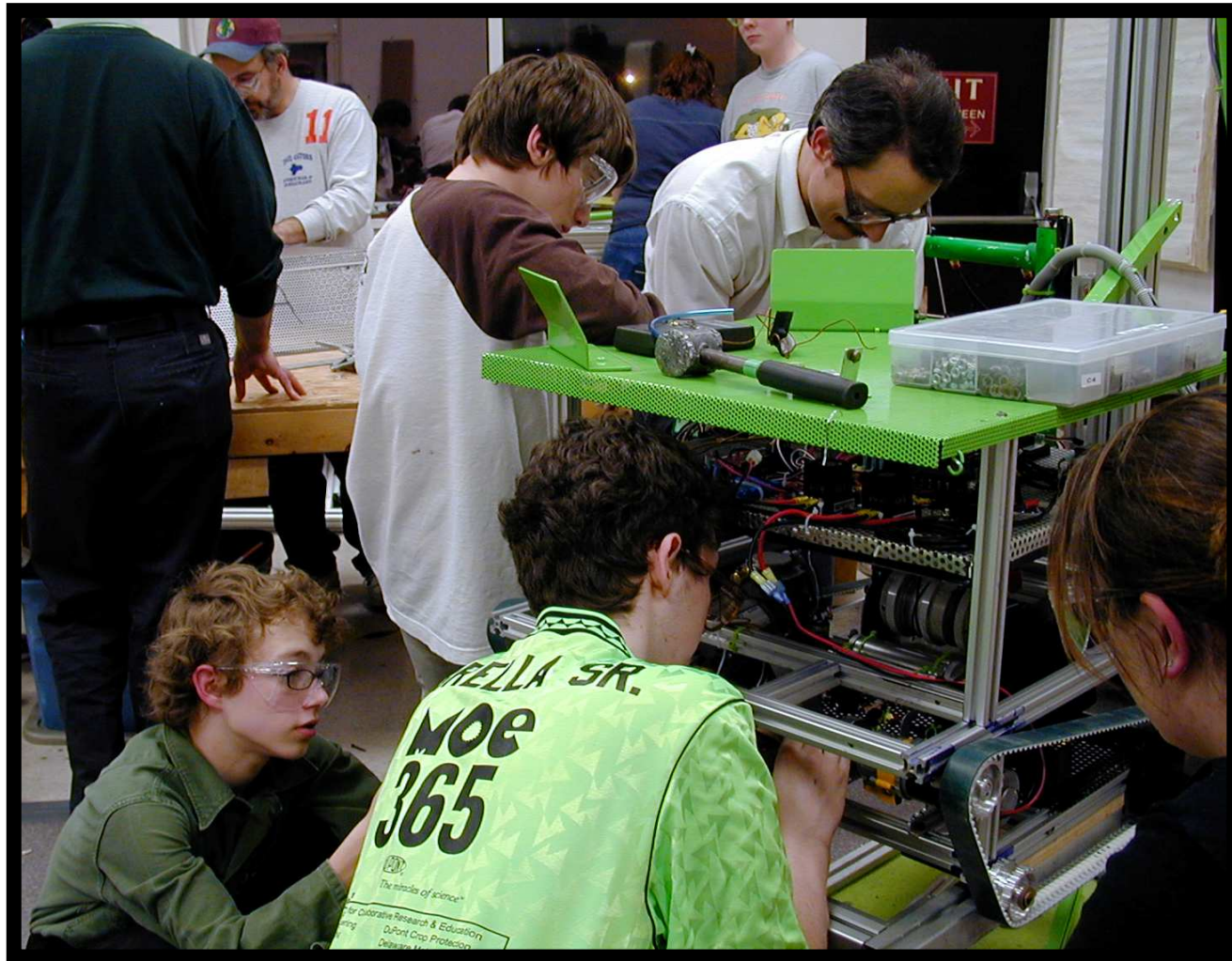
How would that robot look? How would that robot act?

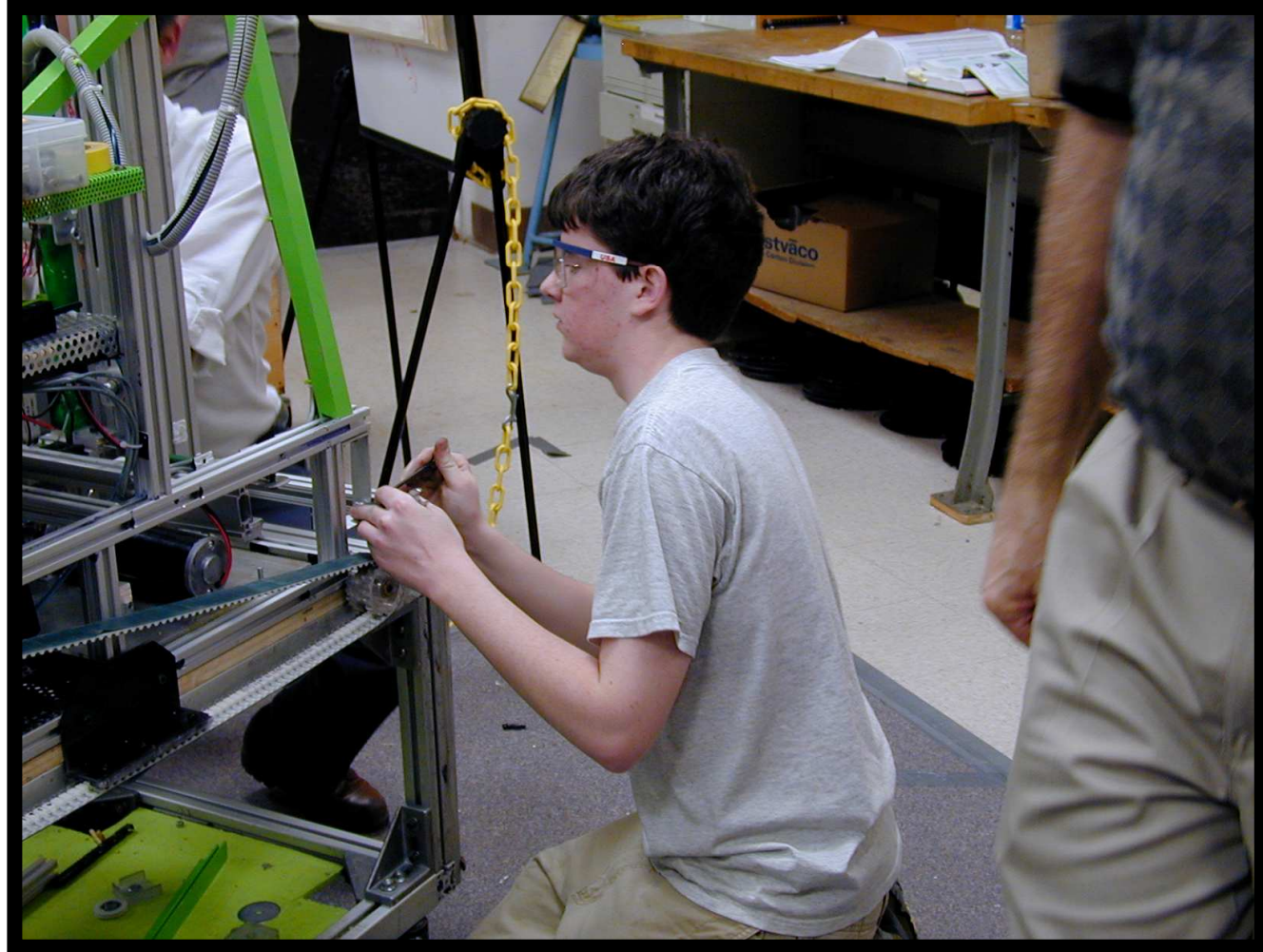
We design some possible robot players. We talk about the designs.



**Will the robot be the right size and weight?
Will it be able to win the game?**

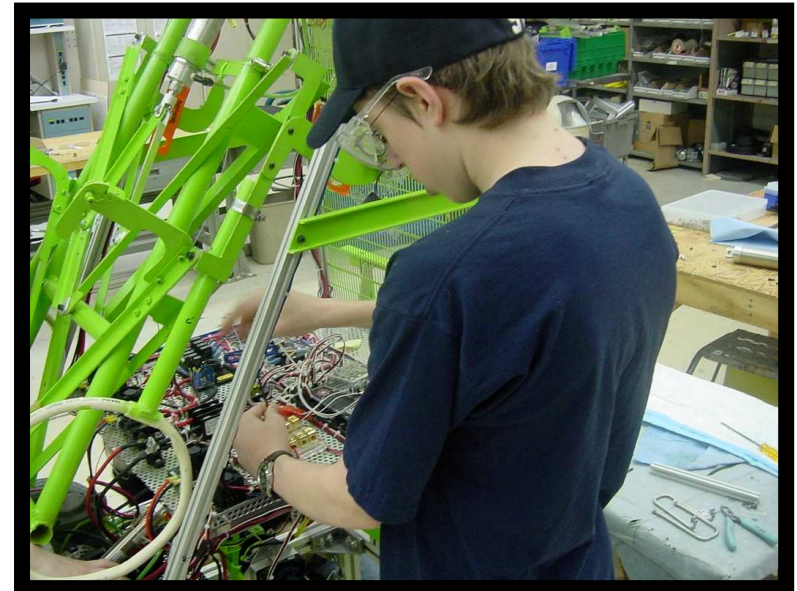
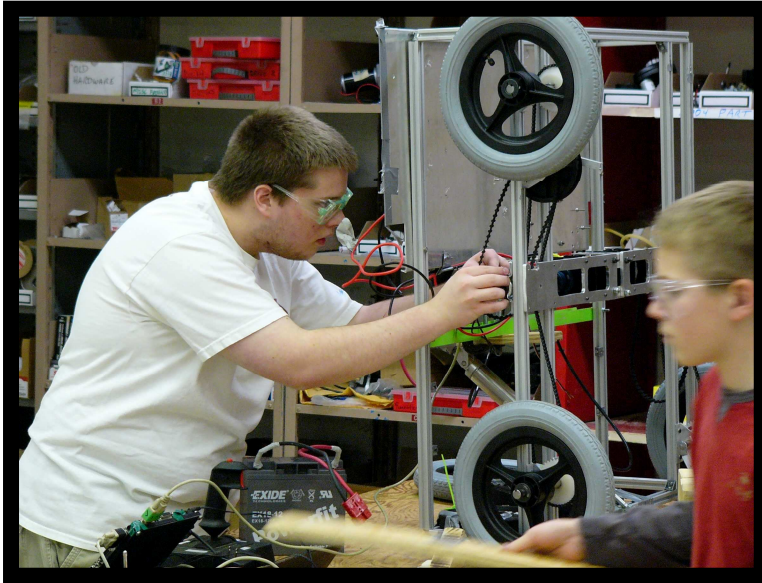
Will the robot be strong?
Will it be easy to control?





We choose a design and start to build. There isn't much time!

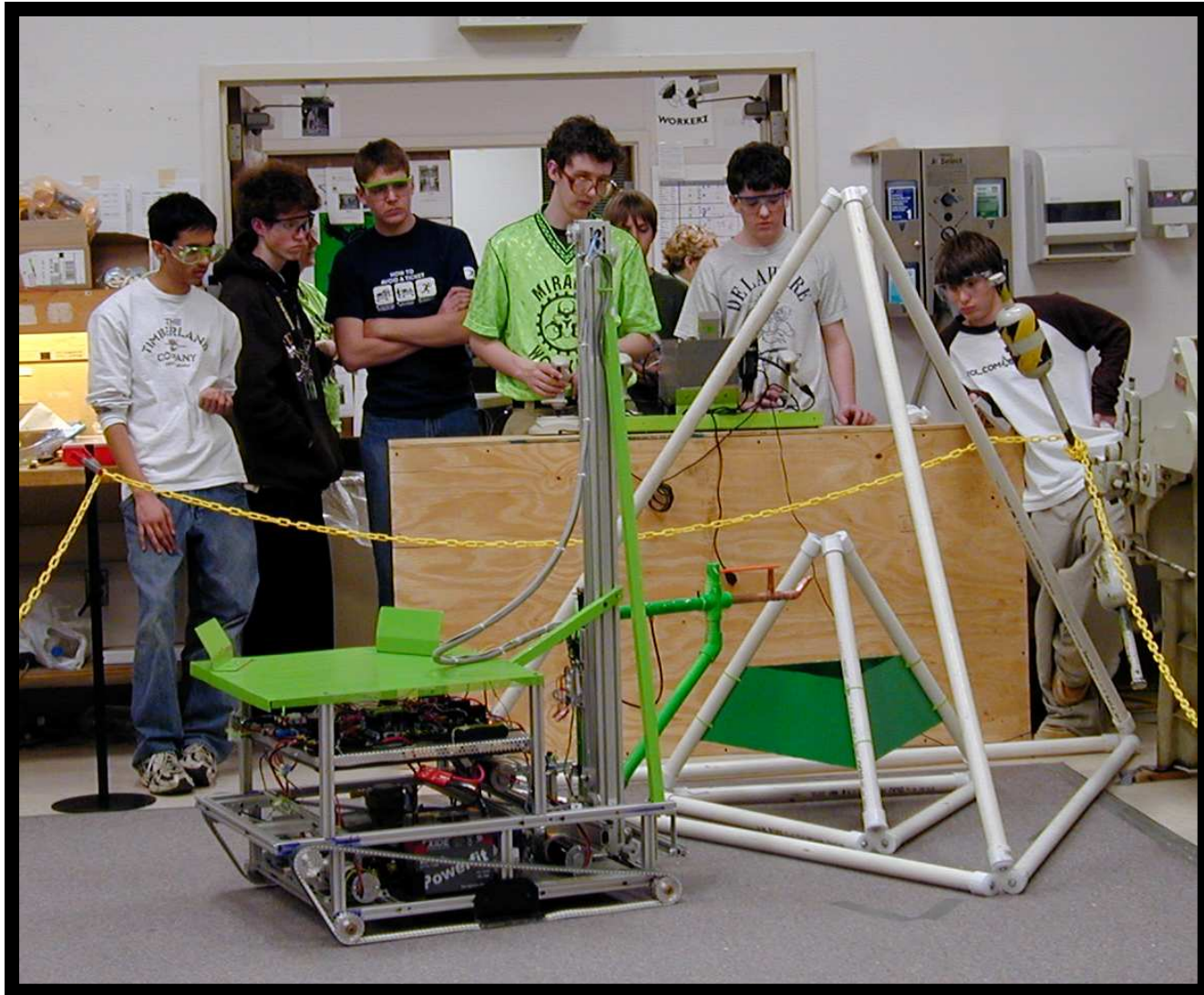
Everyone joins a team. Each team works on a different part of the robot.



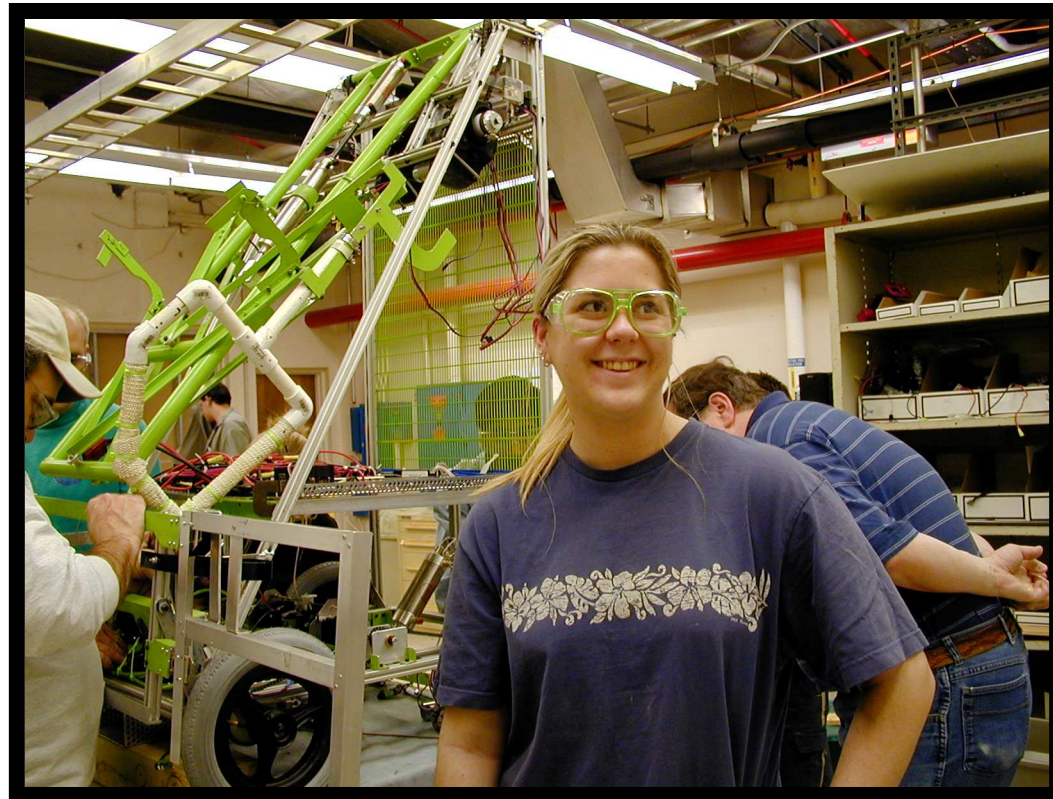
**The brain of the robot is a
computer program.**



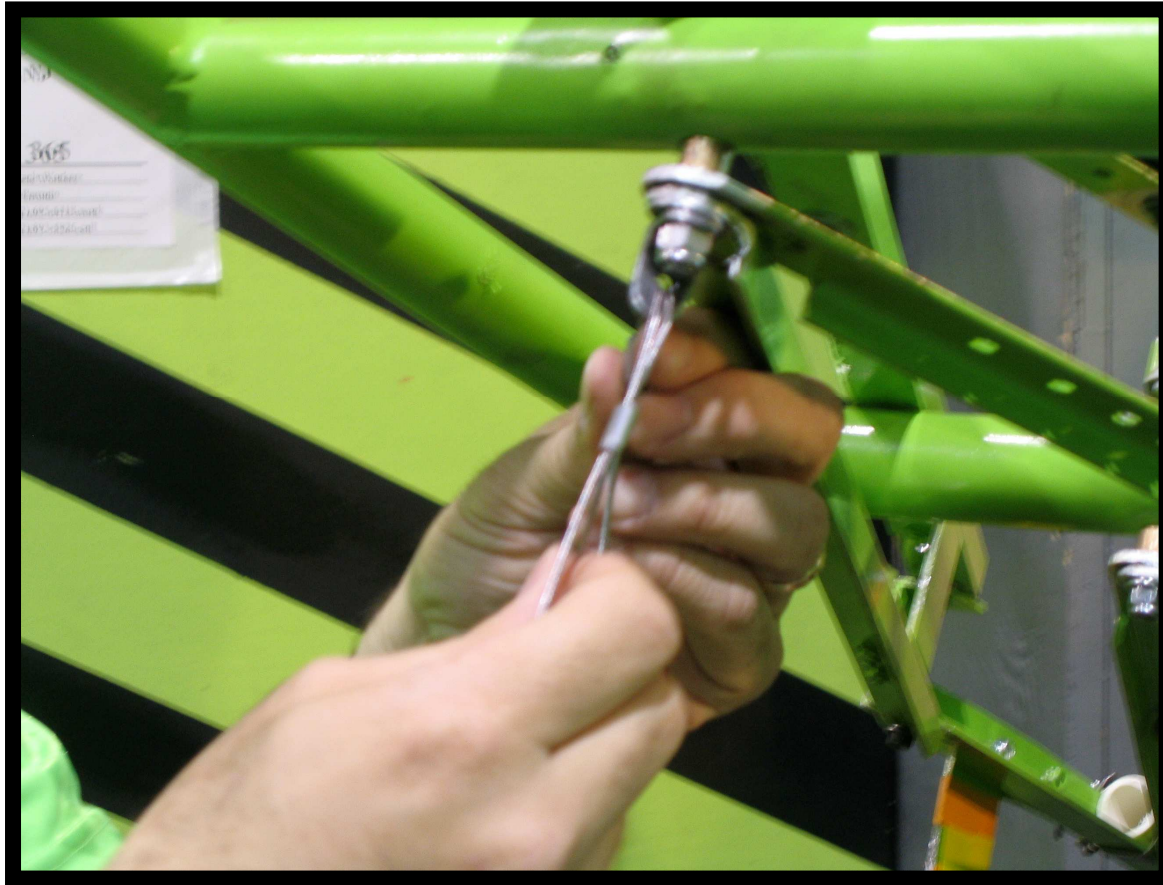
**Next we practice. Is our design strong?
Is our program right for our game plan?**



**Our robot is coming together.
What should we call him?
How about GizMoe!**



We prepare for competitions.



We help GizMoe to look sharp.

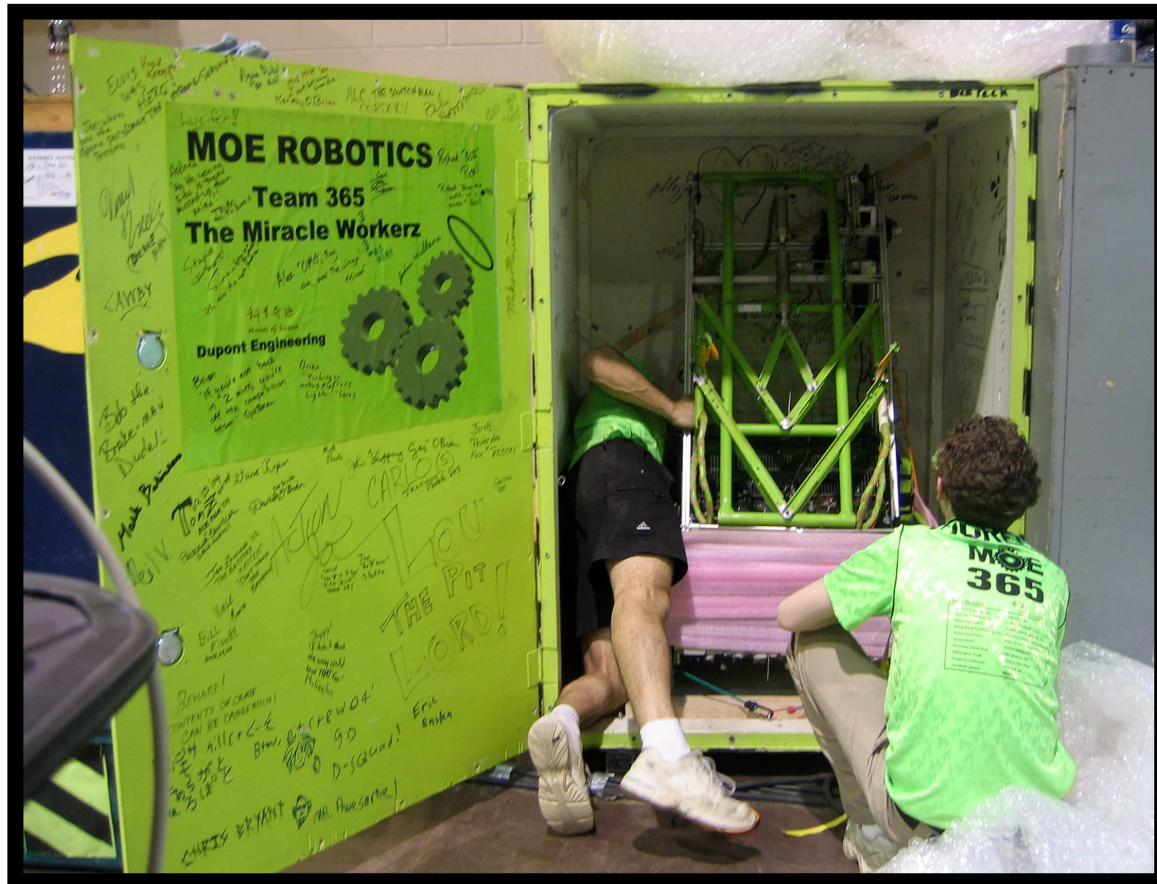


We make spare parts for his repairs.



**We check
GizMoe's
weight and
size.**

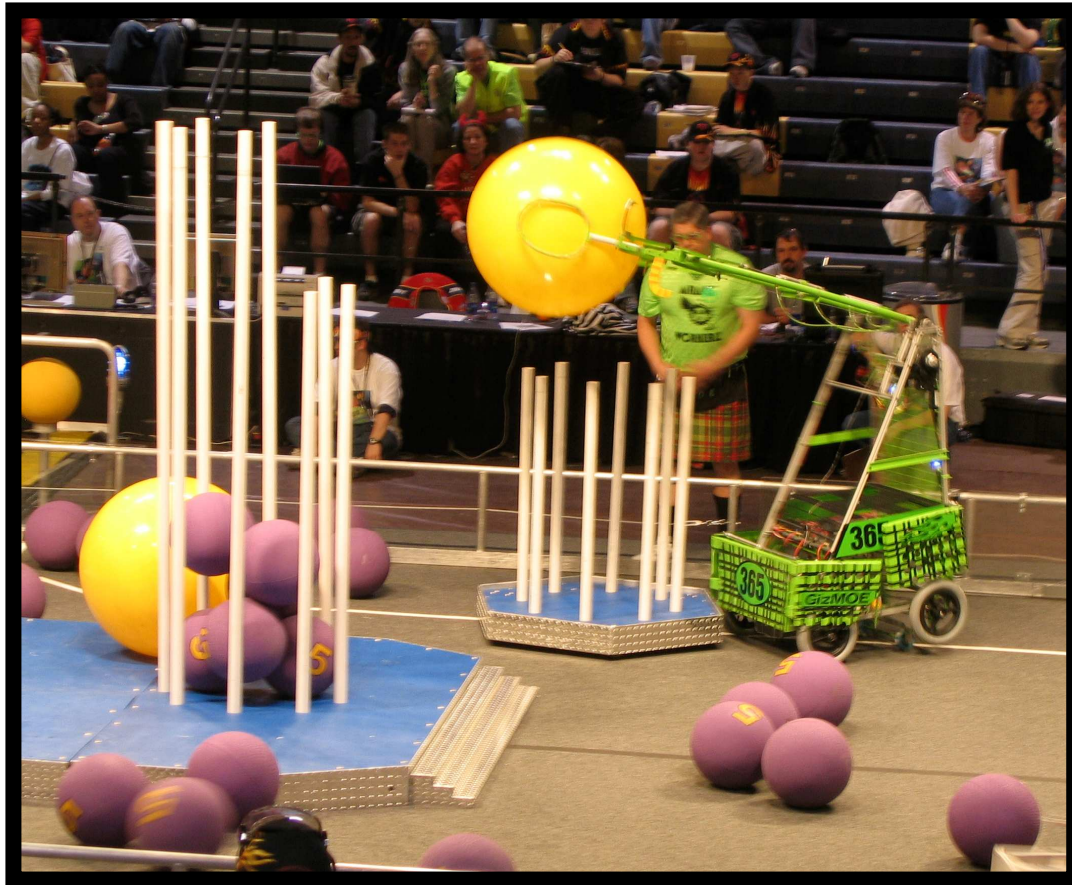
We put him in his box to travel to the competition.



We travel to the competitions.



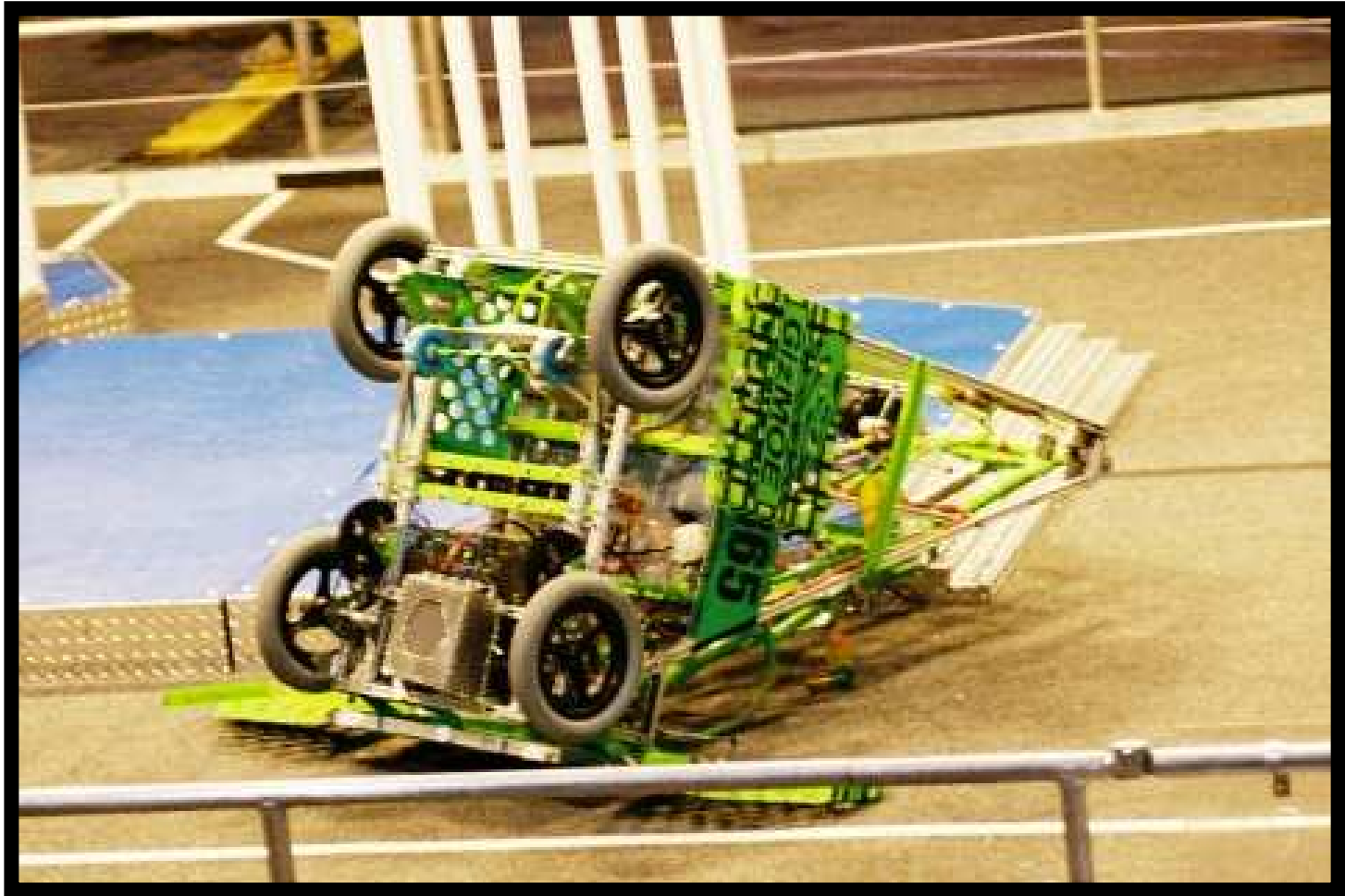
GizMoe works hard.



We work
hard.



We change our plans for the next game. We make repairs.



GizMoe does well.



It's time to pack GizMoe back into his box. He's a great robot.



We're a great team!

