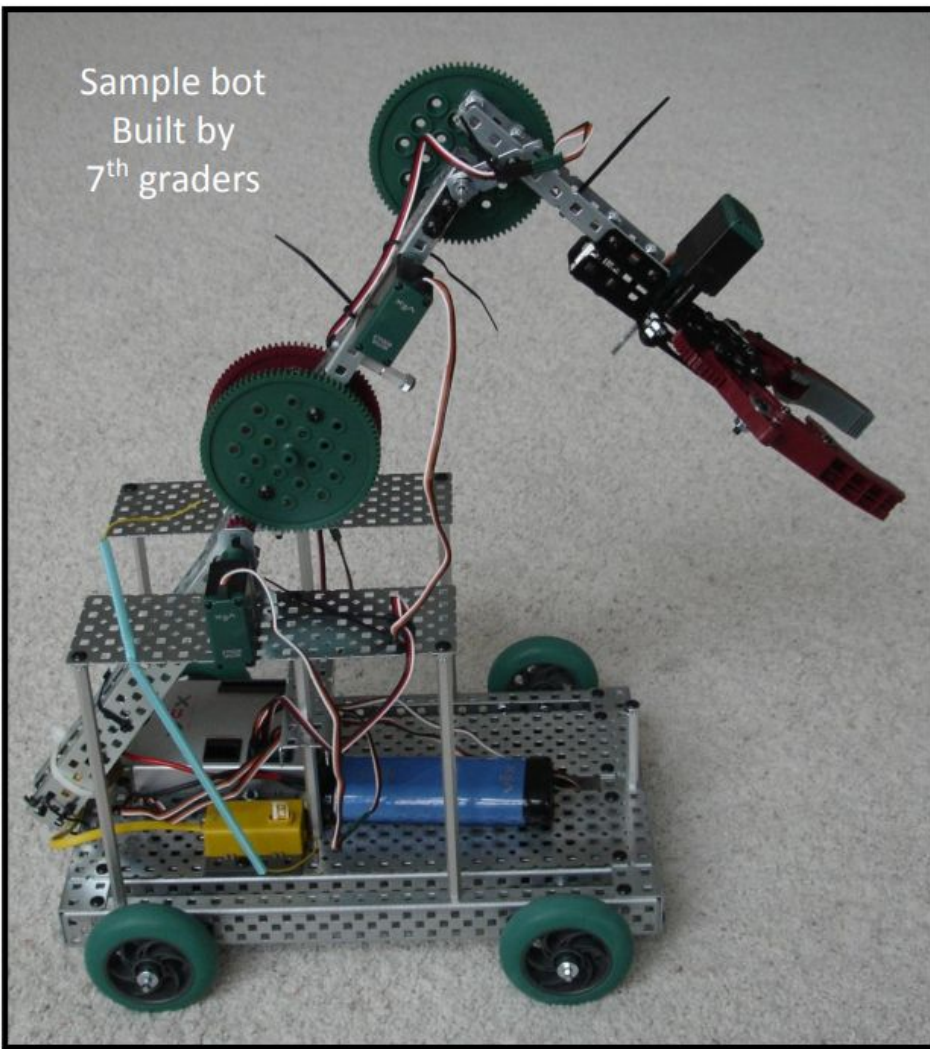# Prior Lake Robotics

Founded in 2006 we have grown from 1 team and 21 kids to over 50 teams and 350 kids participating in 2019, across all forms of robotics activities offered. Pandemic kept us away from running the elementary and middle school programs in 2020. Looking forward to resuming where we left off this year.
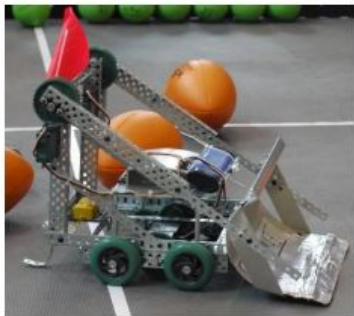
Sample bot
Built by
7th graders

Welcome to Middle School Robotics

brought to you by

**Prior Lake Robotics
&
FIRST Team 2169
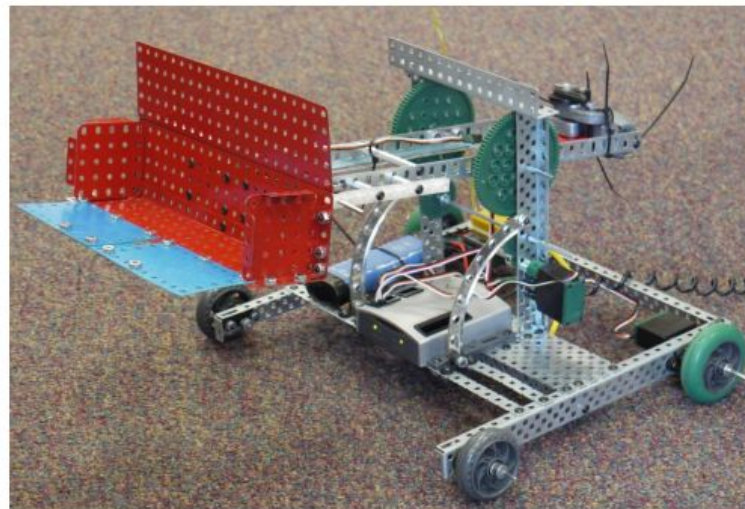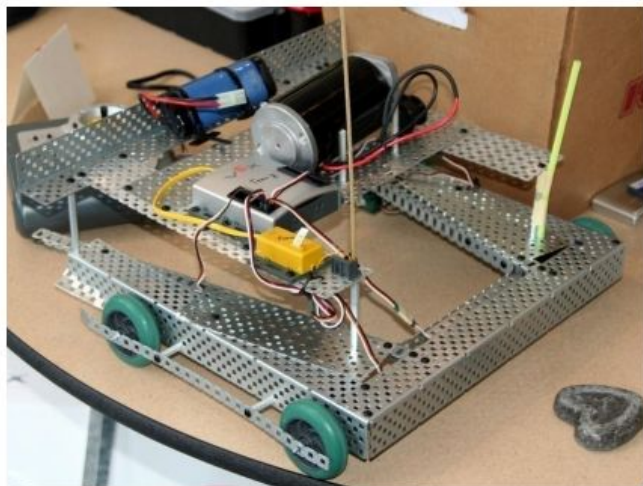KING TeC**

The basic kit of parts.

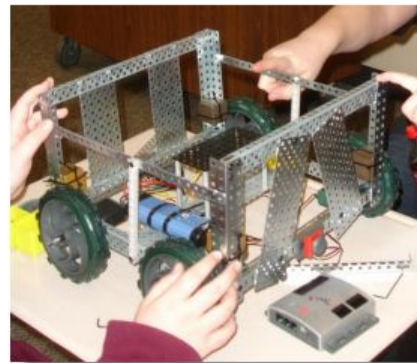One basic kit, but different designs for different tasks.

Each year the game changes and so do the robots.

Start with building on a solid frame base, and then add the structural components, followed with programming. Follow the rules in the manual to avoid penalties. You will have help.
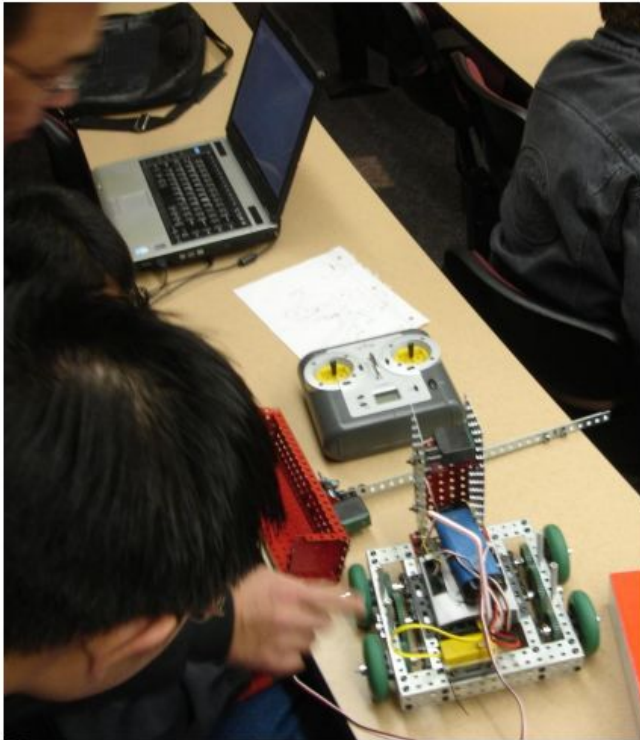

Schedule for KTC 2021 Season:

• Tuesday Sep 21st, 6:00-7:00 pm - Team formation night and kit/laptop hand out.

• From Sep 28th to Dec 18th, 7:00-8:30pm (Open to shift it ahead by 30 minutes)
  – Schedule would be updated on the website calendar post the team formation.
  – Over Oct and Dec, teams meet Tue and Thu every week from 7-8.30pm.
  – In Nov, meets mostly happen only on Tuesdays due to school conferences and holidays.
  – Work nights with parts cart and mentorship for build and programming help.
  – From 3rd week of Nov, the field would be setup for practice runs.

• Saturday Dec 18th, 9:00am-5:00pm
    Inhouse Tournament (KingTec run the event) in PLHS Gym
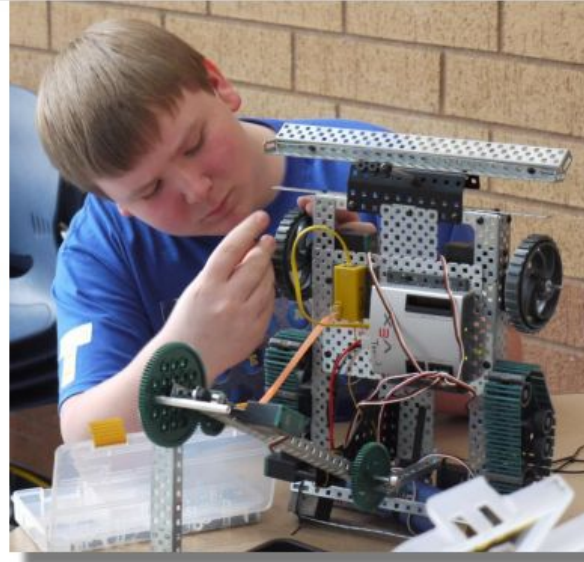
Practice driving, improve the program and refine the robot.

Time for the competition!
Hosted by KING TeC at PLHS.

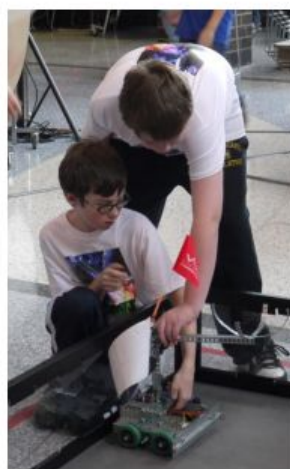Last minute details are worked on, from nuts and bolts to stronger programming.

Two teams are on the **RED** alliance.

Two teams are on the **BLUE alliance**

Ready?, Set,...PLAY!!

Expectations at KTC

- **Gracious Professionalism at all times!**
- Student responsibilities
  - Design and build robot
  - Maintain an engineering notebook – bring it to each session and keep it updated.
  - Work as a group
- Parents are responsible only to monitor the team progress, **not lend a hand**.
- Mentors responsible for
  - Guide the process
  - Ask open ended questions
  - Help students see options, but let them choose