



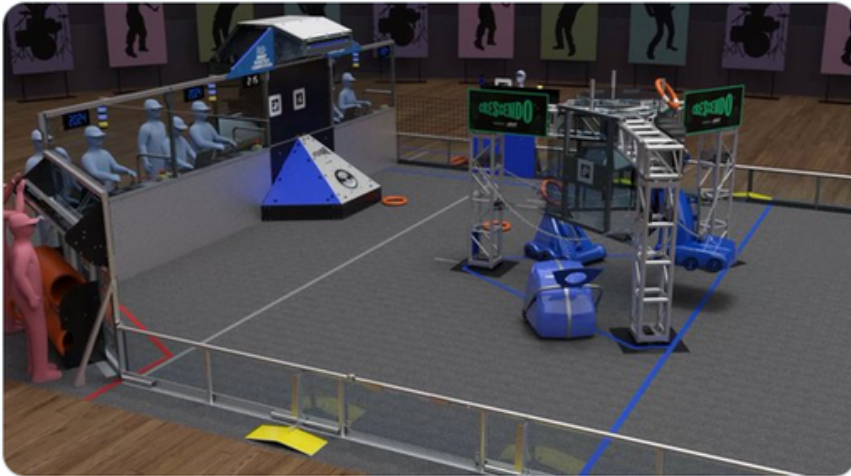
# NEWSLETTER

## Watertown-Mayer High School

### B.O.S. Robotics - Season 6, Issue 3

#### Kickoff - The Game Reveal

Teams from around the world gathered to watch this season's game reveal on January 6th. This year's music themed challenge, Crescendo, details a game of scoring rings (notes) in different slots (amps and speakers) on the playing field. In the last 20 seconds of the the game, robots must get on stage by hanging from a chain.



#### Let the build season begin!

Immediately after the Crescendo game reveal, our team discussed our strategy and robot design. We have less than 8 weeks to design, build and program our robot to have it ready for competition in Duluth on March 1st & 2nd.



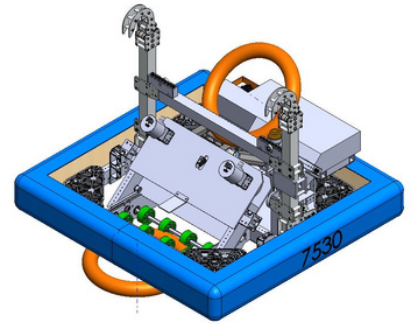
January practices have been filled with prototyping, designing and building our robot. We are so fortunate to have fabrication tools available to us at our high school. This allows us to make our own parts, which teaches our team members valuable skills and reduces the cost of our robot. Besides building the robot, we also build field elements out of wood to simulate the playing field at competition.



Prototyping the note launcher



Reviewing the CAD Model



CAD Model of our robot

Team Captains  
Ben Hartshorn  
Quinn Sathre  
Sam Tronnes



Ben utilizing the CNC Router to make parts.



Quinn using the 3D printer to make parts.



Sam using the belt sander

Mechanical team building field elements



Electrical team assembling components on the robot



Programming Team working on coding



Emerson, Silver Sponsor



Midwest Motion Products, Platinum Sponsor

## Sponsors

Thank you to all of our generous sponsors! We were honored to receive a visit from Mike Walters with Emerson at our Kickoff event on January 6th. Emerson is one of our Silver sponsors.

We also had a great tour at Midwest Motion Products in Howard Lake on January 15th. They are one of our Platinum sponsors, our highest sponsorship level. Marcus Cordes, CEO, is a Watertown-Mayer Alumni.

We are always looking for more supporters for our team!

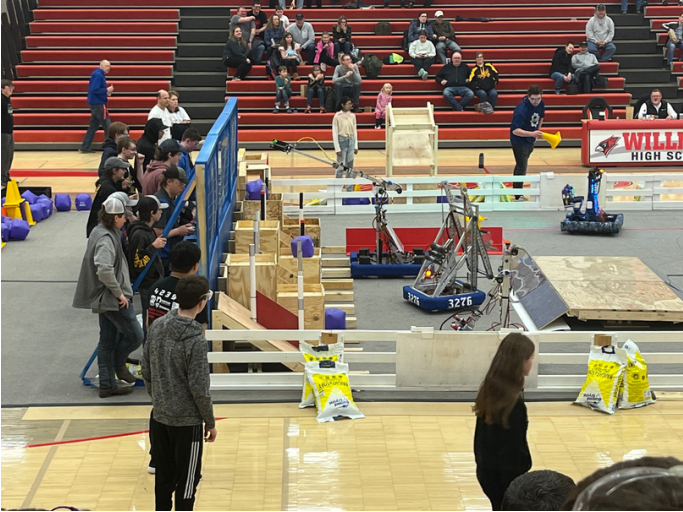
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## Central MN Robotics Hub

Our team has been attending weekly meetings for the Central MN Robotics Hub. Students and mentors are able to collaborate with other teams in our hub to share ideas on various topics such as what's going well with our robotics program, challenges we encounter and this year's robot build. Everyone helps each other to ensure no team is left behind.



## Upcoming Competition Events



2023 Week Zero in Willmar

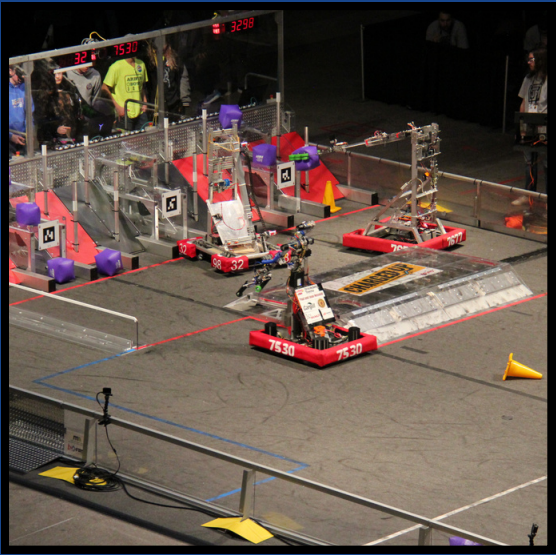
### Week Zero

We will be attending two Week Zero events this year. Our first will be in St. Michael on February 17th and our second will be in Willmar on February 24th. These events are practice competitions on a simulated playing field. They allow teams to test their robot components, train the robot drivers and test game strategies in preparation of the regional competitions. These events are free to the public.

### Northern Lights Regional February 28–March 2, 2024

We will be competing at Northern Lights Regional in Duluth again this season. We were very successful last season, finishing 3rd place!

Visit [Northern Lights Regional](#) event page for more details on our competition.



# 2023–2024 Sponsors

## Diamond

**Paul & Joan Nesvold**

## Platinum



## Gold



## Silver

- Beckman Coulter
- Royal Booster Club
- Watertown Veterinary Clinic
- Watertown–Mayer FFA Alumni
- Emerson
- SpeedPro
- Laura Glasgow

## Bronze

- Scott Wakefield
- Mayer Area Lions Club
- Neaton Brothers Erosion
- Koch School Bus Service
- Bremer Bank – Watertown
- Marketplace Foods
- Hecksel Machine Inc.
- Ovation Orthodontics
- Watertown Pharmacy
- Shelby Jade Photography