

Albany Huskies Robotics Team

Team 4226

30 Forest Ave Albany, MN 56307

Coach: Peter M. Maas

2019-2020 Handbook

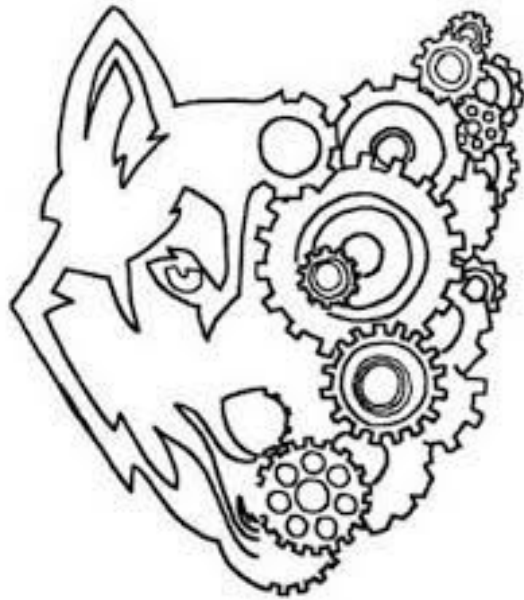


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Mission Statement:

We strive to empower local students to further their knowledge of Science, Technology, Engineering, Art, and Math (STEAM) through mentor-based robotics programs that aid in applying experiences to future careers, emphasizing individual and team achievements, attention to details, leadership skills, and integrity that includes gracious professionalism.

Core Values:

- **Excellence towards:**
 - Student individual achievements.
 - Teamwork and communications.
 - Highly competitive robot design and strategy.

- **Collaboration with:**
 - Students.
 - Mentors.
 - Professionals in STEAM.

- **Empowerment of:**
 - Respect for others, including opponents.
 - Individual growth and self confidence.
 - Leadership skills.

FIRST Robotics

For Inspiration and Recognition of Science and Technology.

- **FIRST Students:** Over 88% have more interest in school, 90% have more interest in taking a challenging math or science course, and 90% are more interested in attending college.
 - All skill levels are welcomed and needed: technical or non-technical.
 - Learn from professional engineers and use sophisticated software, hardware, and power tools.
 - Improve teamwork, interpersonal, and communication skills.
- **Qualify for \$22+ million in college scholarships:**
 - www.firstinspires.org/scholarships
- **Core Values of FIRST:**
 - Gracious Professionalism is a way of doing things that encourages high-quality work, emphasizes the value of others, and respects individuals and the community.
 - Coopertition is displaying unqualified kindness and respect in the face of fierce competition. Coopertition is founded on the concept and a philosophy that teams can and should help and cooperate with each other even as they compete.

School Rules:

The Robotics team is held to a higher standard than many of the other clubs or activities at this school. It is expected that all members of the team act respectful at all times, and follow all expectations as expressed in the Albany Student Handbook.

Beyond this, it is expected that all students represent themselves and the Robotics team in a positive manner at all times.

Robotics is granted special permission to use multiple areas of the school for our practices and during the weekend, it is a privilege to be here and have the access we are allowed. Treat it as such and be respectful, do not go into areas you are not supposed to at any time.

Robotics falls under the MSHSL rules and sanctions, due to this all students are expected to follow all MSHSL expectations, abstain from the use of any tobacco products, alcohol or illicit drugs.

Safety in the Shop:

- Wear safety goggles (regular glasses with shatter resistant lenses and side protectors are acceptable).
- Wear closed-toed shoes.
- Do not wear loose jewelry or clothing.
- If you have long hair, tie it back when using equipment.
- Do not use equipment without proper training.
- Use tools and machines for intended purposes ONLY.
- Leave workspaces cleaner than when you started.
- Be aware of your surroundings (this includes people working around you, as well as machinery).
- If you are injured, inform a mentor.
- If you ever have a concern or are not 100% comfortable with performing a task please speak with a mentor, we are here to help!

FRC Offseason: May → December

Goals: prepare for Build Season and Competition Season by recruiting new team members, raising funds, organizing the shop, and participating in off-season competitions.

- Local Parades: We need to show our sponsors our thanks, and the best way to do so is to promote them at the local Parades: The team will be Tasked with making this happen for **Minimum** 1 Local Parades: Albany, Avon, or St. Cloud
- Sponsor recruitment: Approaching local businesses to recruit them as supporters of our team.
- Member Recruitment: we need additional bodies to help with our team! Any way we can share responsibilities and duties through new members (both participants and mentors) will only help us to be a better and stronger team.
- Helping our partners. Often we will have a partner ask the team to help with an event (such as the car show at the Chrysler Center). It is expected that members will help out whenever they can.
- Social Activities - A strong team bonds both at and outside of practice. Off season events are a great way in which we can do this!

FRC Build Season: January → March

Goals: Design and build a successfully competitive robot to play the new game released in January. Create and submit competitive awards submissions.

● Kickoff: When the new FIRST Robotics game is released. Team members will read and analyze the rules Saturday, Jan. 4, 2020.

Practice Schedule:

Mondays and Wednesdays 3:15 PM - 5:30 PM,

Tuesdays, Thursdays, Fridays 3:15 PM - 7:00 PM

Saturdays 10:00 AM - 4:00 PM.

Student Expectations:

- Safety is everyone's top priority.
- If you can attend a meeting, do so.
- Be self-initiated; if you're not sure what to do, ASK. There are always tasks.
- Counterproductive and distracting activities will not be tolerated. (i.e. No video games in the shop.)
- Grades come first. You can always do schoolwork at the shop. It is a good place to seek help from other students
- Listen to team leaders and ask for assistance when needed.

FRC Competition Season: March → April

- Goal: Increase our competition success every year, do our very best at ALL times.
- Regional Championship: Qualify by doing well (earning more points than other teams) at the events we attend.
 - Name - Northern Lights Regional
 - Date - March 4th, 2020 - March 7th, 2020
 - Venue- DECC Arena in Duluth
- 2nd Regional Championship
 - Name - North Star Regional
 - Date - March 25th, 2020 - March 28th, 2020
- State Championship: Qualify by doing well at Regional Championship.
 - Middle May - at the U of M - Mariucci
- Worlds Championship: Qualify by winning our division at the Regional Championship.
 - Location: Detroit, Michigan

FRC Competition Expectations:

Student Expectations:

- *Maintain Gracious Professionalism.*
- Use the buddy system at all times. Take care of each other!
- Dress in team uniform.
 - Modest shorts are fine.
 - Close-toe and heel shoes required.
 - Bring your own safety glasses.
- No video games or other activities that detract from the events.
- Cheer on the team during our matches.
- Fulfill your competition duties to the best of your ability.
 - Scouting other teams is a huge part of what we do as a team, your scouting team captains will explain this further.
- Be on time! The van leaves when the van leaves.
- At overnight events:
 - Sleep in assigned rooms.
 - No mixed gender in rooms at all. There will be public congregating areas for socialization.
 - Do not leave rooms after bed checks.
 - Sleep is important. Do not stay up all night socializing.

How Parents / Guardians Can Help:

Our mentors are volunteers, with professional careers and families. They donate their time to the team because they believe in these students and the mission of our team. We are always looking for more adult assistance. Here are a few ways that you can help us:

- Fill out STIMS/Grant forms.
- Show up to parent meetings.
- Provide meals during Build Season (Saturdays).
- Help with tailgating at competitions to feed the team.
- Recruit sponsorship.
- Recruit new mentors.
- Organize a team social.
- Coordinate and help with team outreach events.
- Take photos and videos.
- Attend competitions
- Chaperone students at events.
- Volunteer at events.
- Ask your student about the team. BE INFORMED.

2019 - 2020 Contract

Students: By signing below, I indicate that I have read and understand the 2019-2020 Team 4226 Huskies handbook and agree to follow all expectations.

Student Name (Print)

Student Signature & Date

Parent / Guardian: By signing below, I indicate that I have read and understand the 2019-2020 Team 4226 Huskies handbook and support these expectations for my student. I will attend parent meetings and understand I am ultimately responsible for my student.

Parent / Guardian Name (Print)

Parent / Guardian Signature Date
