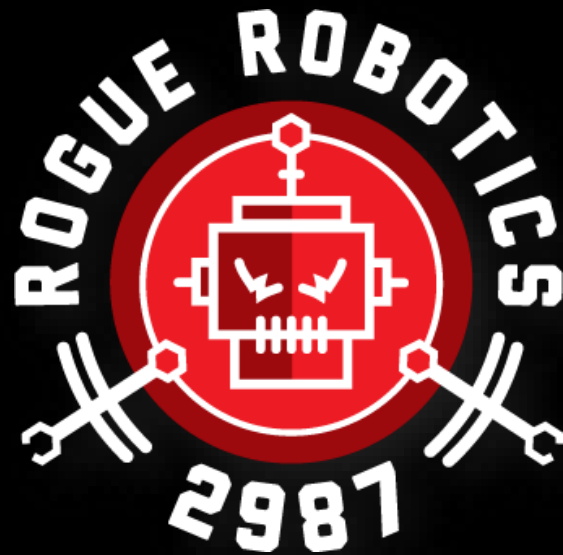


**WELCOME STUDENTS
AND PARENTS!**



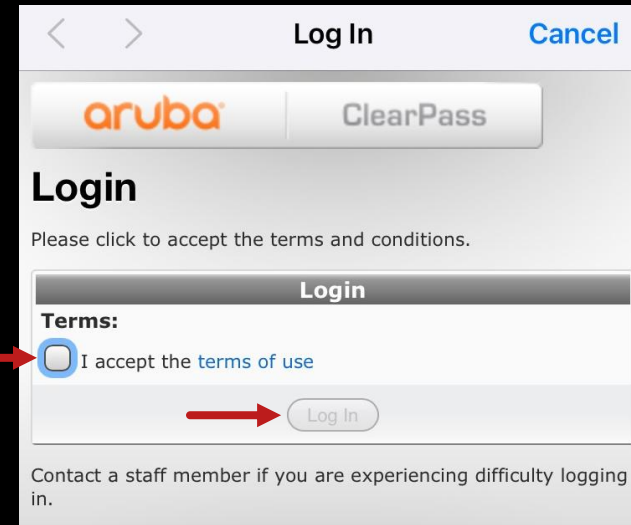
**FHS F.I.R.S.T. ROBOTICS TEAM
TEAM-2987: ROGUE ROBOTICS**

BEFORE WE BEGIN:

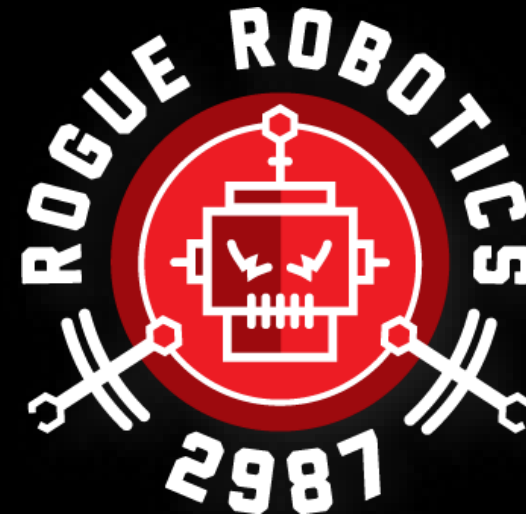
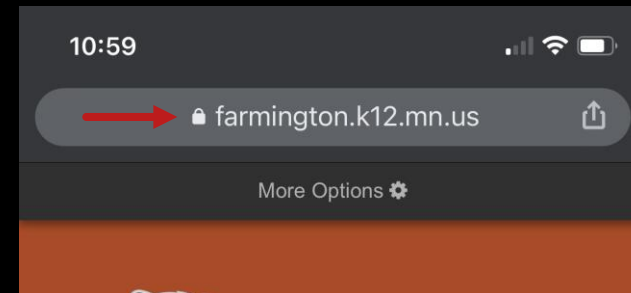
- **This presentation will be QR code assisted**
- **Connect to 192Guest Wi-Fi**
- **Use your phone's camera to scan QR codes**



2



OR:



INTRODUCTIONS

Club Advisor:

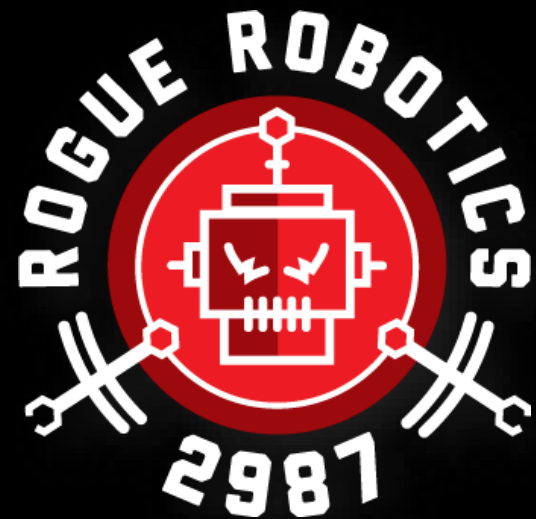
- **Spencer Elvebak**

Mentors:

- **Daniel Edeen**
- **Phil Kadlec**
- **Keith Kaletta**
- **Tina Markeson**

Robotics Coaches:

- **Corey Knutson**
- **Ann Kielas**
- **Ian Noss**
- **Scott Neurauter**
- **Gordon Stoffel**
- **Mike Thompson**
- **Mary Treakle**



WHAT IS F.I.R.S.T. ROBOTICS?

[LINK](#)

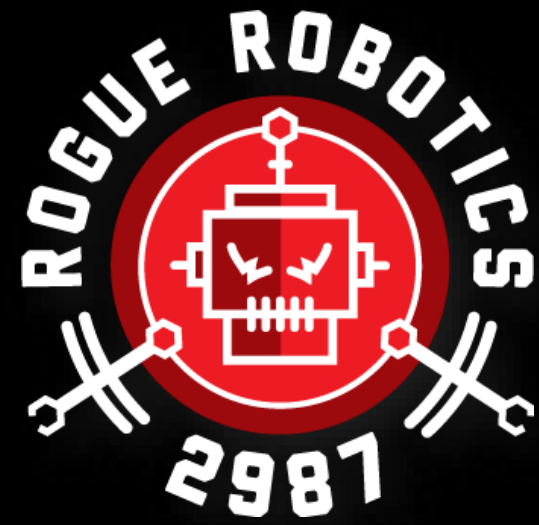


WAY MORE THAN ROBOTS

LINK

FIRST EVENT, OCTOBER 3RD!

- **Minnesota Robotics Invitational (MRI)**
- **1 day tournament using previous seasons game and robot**
- **Great opportunity to learn what a regional tournament is like**
- **Family friendly event. Come cheer us on!**
 - **Oct. 3rd - 7am to 5pm**
 - **Roseville Area High School**
 - **WWW.FIREBEARS.ORG/MRI**



- **REAL FIELD ELEMENTS**
- **QUICK MATCH WAIT TIMES**
- **DRIVER ROTATIONS**
- **CHANCE FOR HARDWARE**



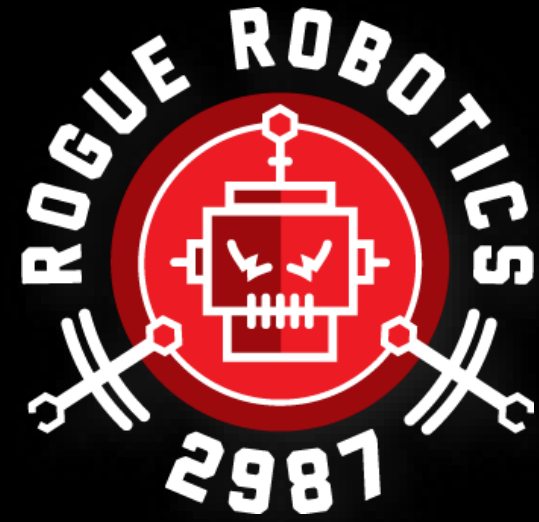
PRESEASON / BUILD SEASON

- **Preseason (Fall)**

- **Weekly alternating meetings each Thursday**
 - 3:00-5:30pm
 - 6:00-8:30pm (Starting October 8th)
- **MRI Oct. 3rd - 7am to 4:30pm**
- **Minne Mini Nov. 21st 7am to 5pm**
 - **Prior Lake High School**
- **Acquiring sponsors/fund raising**
- **Community Outreach in ISD192**

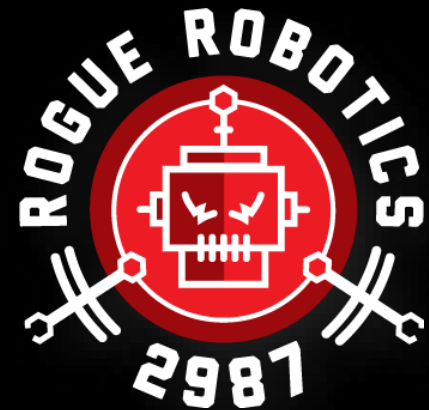
- **Build Season (Winter)**

- **Kickoff, Jan. 9th 10:00am @ FHS**
- **Build Season (6 weeks) Starting January 9th**
 - **Mon, Fri. 3:00-5:30**
 - **Tues, Thurs. 3:00-8:00**
 - **Saturday 9:00-4:00**



COMPETITIONS

- **Week Zero in Eagan (Feb 20th)**
 - Last Saturday of build season
 - Homemade replica field
- **1st Regional TBD (March 3-6?)**
 - Leave on a Wednesday
 - Return very late Saturday
 - Club pays for hotels and busses
 - Students pay for meals
- **2nd Regional TBD (April 8-10?)**
 - Club pays for busses
 - Bring money for meals
- **3rd Regional? TBD**
- **FIRST Championship in Houston**
 - Performance Based
 - Extra round of fund raising
 - April 28th May 1st + travel time
- **MSHSL Tournament @ Concordia**
 - Performance Based
 - 1 Day event on a Saturday
 - May?



REQUIREMENTS FOR ATTENDING REGIONALS AND FOR LETTERING IN ROBOTICS

- **Meet minimum time requirements (50% of Preseason, 60% of build season)**
- **Acquire Sponsorships (at least \$500) FHS Activities Fee: \$200**
- **Students must have a “C-” or better to be excused from school to attend events**
 - **Students may be taken off the team or temporary “suspended” while grades are improved Head coach/parents/and teachers will convene to determine outcome**
 - **Failing a class will result in being removed from the team so student can focus on academics**
- **Active participation at all competitions**

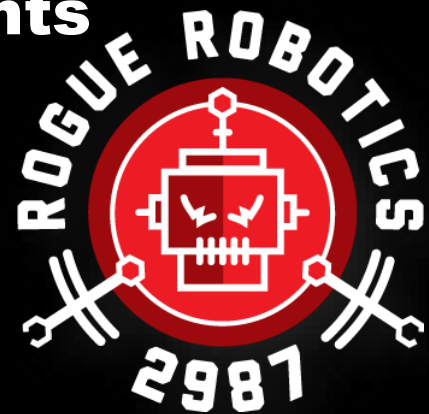
Note: You can still be on the team, even if don't attend regionals or letter



FUND RAISING EXPLAINED

- **F.I.R.S.T. and FHS do NOT provide an operating budget**
- **New robot every year (up to \$4,000)**
- **Buses \$7,000+, Hotels \$6,000+, Registration \$9,000+, tools, equipment, etc.**

We and F.I.R.S.T. want to engage the local community in robotics through sponsors and mentors who can donate their time and share their knowledge with our students



SPONSORSHIP CONTRIBUTION FORM

TEAM2987.COM/DOCUMENTS



2027 ROGUE ROBOTICS SPONSORSHIP CONTRIBUTION FORM



Farmington High School's F.I.R.S.T. Robotics team known as "Rogue Robotics" designs, builds, and programs a 125-pound robot each year from scratch to compete in the FIRST Robotics Competition. The team also applies skills they develop while building competition robots to help young children with disabilities by modifying electric toy vehicles at no cost to their families. We develop and share all our code, 3D print files, and designs for other teams to help as many children as possible gain their mobility. Our competition robot, event registration fees, and community outreach projects are all funded by our generous sponsors. Thank you for your consideration!



WE HAVE FIVE INCENTIVE LEVELS FOR THIS SEASON. EACH TIER WILL RECEIVE ALL INCENTIVES BELOW IT

PLATINUM LEVEL \$5,000+

Platinum sponsors are critical to our program. You will be announced as part of our team's name at events and your logo will be on our trailer. All lower tiers apply as well.

DIAMOND LEVEL \$2,500+

Your logo will go onto our team jerseys. It will appear on the website, sponsor banner and robot as well. The logo gets preferred placement and size. We will even give you a jersey!

GOLD LEVEL \$1,000+

Your logo will be on the robot! Our robot will compete in multiple competitions and participate in local community events. Often making an appearance in newspapers!

SILVER LEVEL \$500+

Your logo will be displayed on our team's sponsor banner! Banners are visible any time we compete, meet with media, or display our robot.

BRONZE LEVEL \$250+

Your name or company logo will appear on our website as a sponsor! We will also keep you up to date with our sponsor newsletter.

Company Name: _____

Company Address: _____

Contact Name: _____

Contact Phone Number: _____

Contact Email: _____

Donation Amount: _____ Student Name: _____

501c3 non-profit / tax deductible

Checks Payable to:

Rogue Robotics LLC

Mail Donations to:

Farmington High School

c/o Spencer Elvebak

20655 Flagstaff Ave.

Farmington MN, 55024

Email high resolution logos to:

roguerobotics@team2987.com

FOR PARENTS:



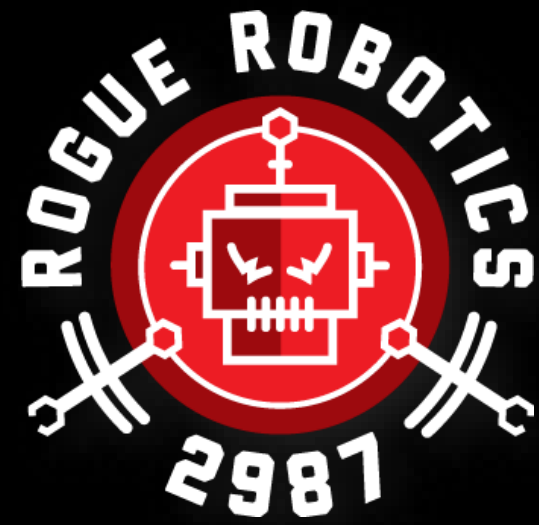
1. Contact Info Form:

<https://forms.gle/yXosptsS8efQ4q8RA>

2. Volunteering

- Meal signup (build season)
- Help your student find sponsors
 - Material and Labor = Full Retail Value
 - Employers (Donation / Matching)
 - Family member connections

3. Mentoring



Programming Mentor

- **1+ positions**
- **C++, Java, HTML, CSS, JavaScript, etc.**
- **Robot**
 - **Autonomous movement**
 - **Vision processing**
- **Scouting Software**
- **Student projects!**



Wiring/Electronics Mentor

- **1+ positions**
- **Basic circuits, debugging with DMMs, soldering**
- **CAN, I2C, PWM**
- **Control systems**
- **Power, sensors, communications**
- **Test platforms**
- **LED matrices/strips**
- **Student projects!**



Mechanical Design Mentor

- **1+ positions**
- **CAD (we use OnShape)**
- **Mechanism design**
- **3D printing, laser cutting, CNC milling/machining**
- **Prototyping**
- **Pneumatics**

Build Mentor

- **Carpentry/metalworking**
- **Machining**
- **Welding**
- **“Creative problem solving”**





Marketing/Operations Mentor

- **1+ positions**
- **Graphic/web design**
- **Social media marketing**
- **Organizing outreach events**
- **Fundraising**
- **Creative & business writing**

APPAREL

- All students who reach funding requirements get a free jersey
- Optional: Hoodies, pullovers, hats, exc
- CA GEAR & Dakota Stitchery
 - Team2987.com
 - RESOURCES
 - APPAREL ORDERING



ITEMS WE SELL

- **Window Decal ~ \$10**
- **Future items TBD**

Proceeds go to the team

**Window decals are
available today or at
any future meeting.**





- [Link to join our Slack Channel](#)



QUESTIONS?

- **Thank you all for coming!**
- **Contact information:**
 - **Spencer Elvebak**
selvebak@farmington.k12.mn.us

