

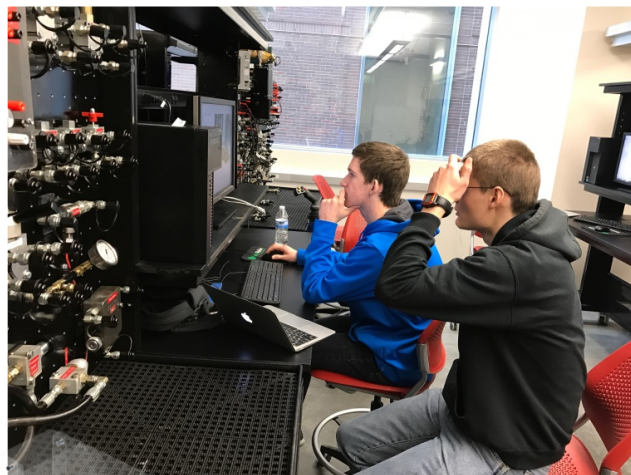
Making Parts

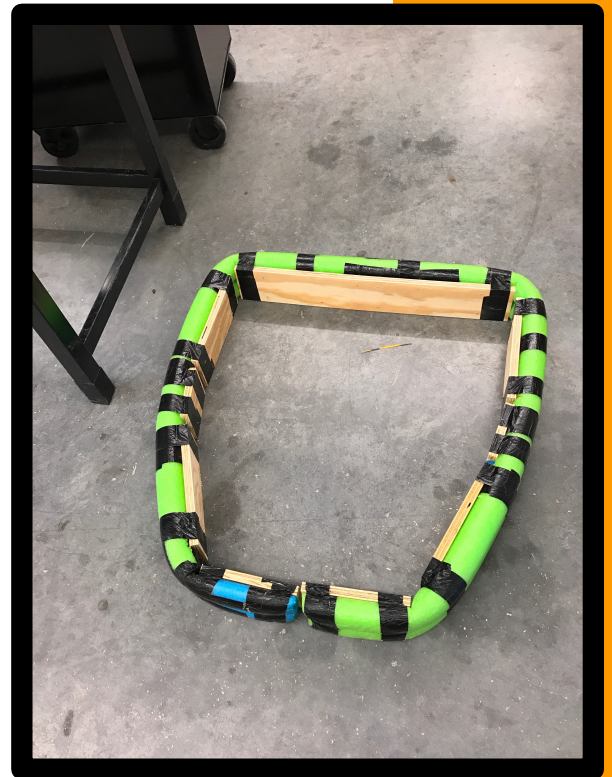
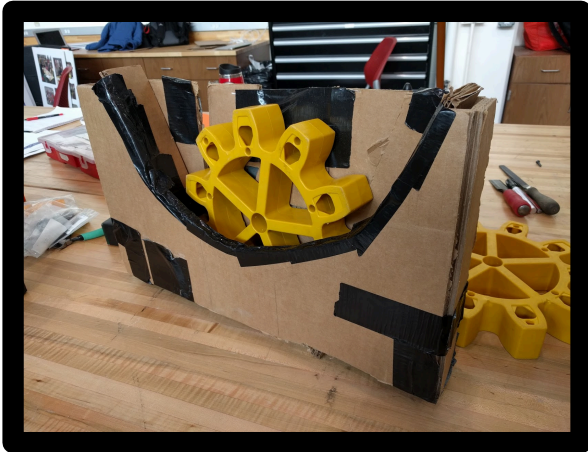


The team uses Boyd Lab to machine parts for the robot.



CADD

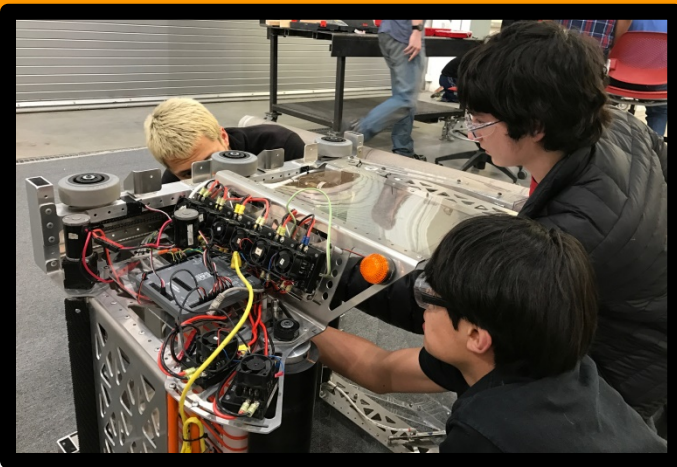




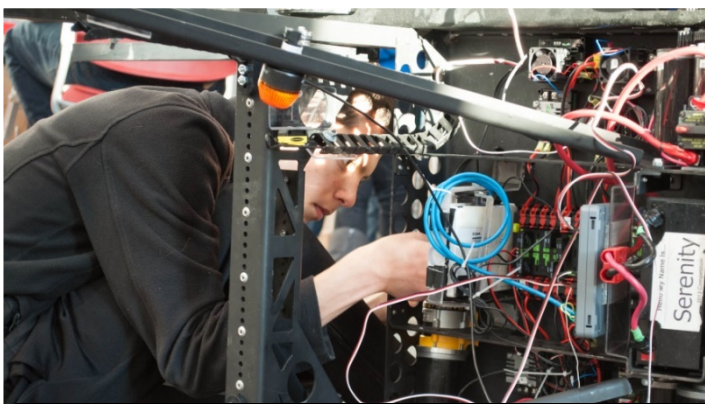
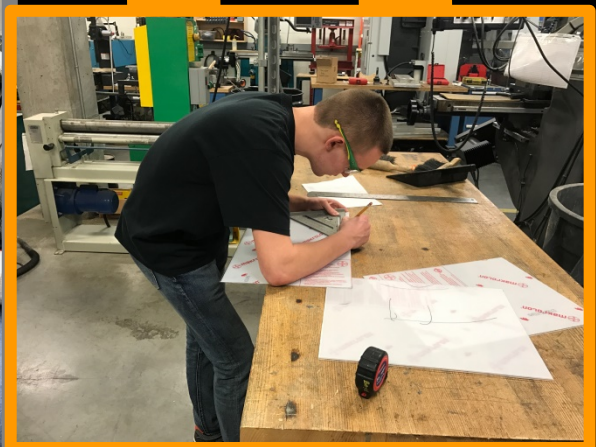
Prototyping



Programming

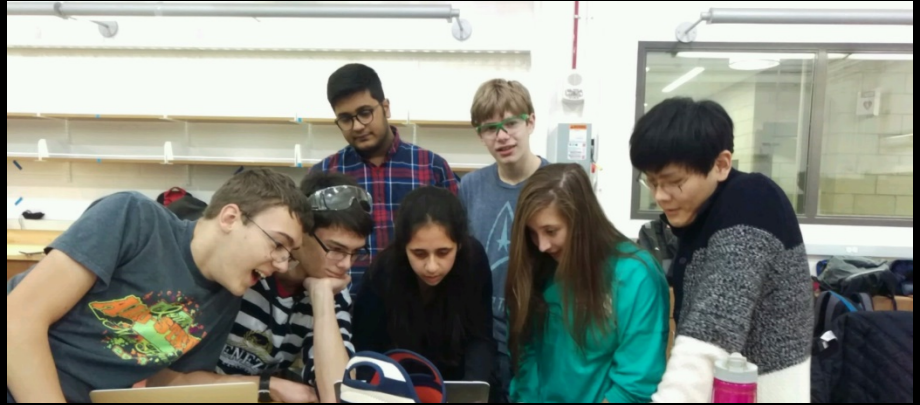


Electrical



Assembling the Robot

Chairman's Team!



The Chairman's team is hard at work creating and developing the submission! They are also in charge of creating the team's bumpers!

Corndog Classic Scrimmage



Robot Reveal

Near the end of our 6 week build season, we revealed our robot to the public.

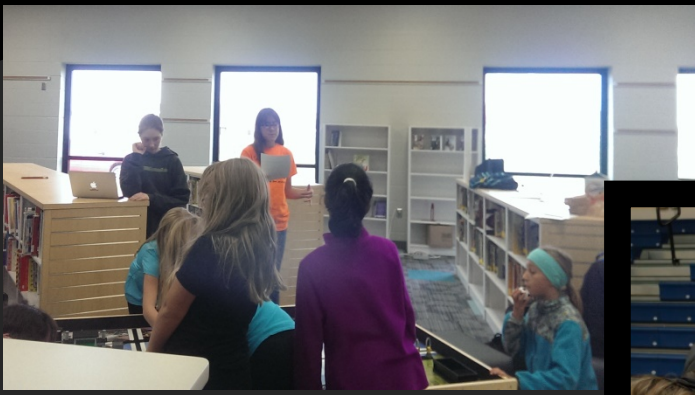


2017 Kickoff



Kickoff marks the start of the 6 week build season. The team watched the live stream from NASA, read the rule book, and began planning for this year's game, FIRST STEAMWORKS.





Team Neutrino mentored
3 FLL teams in the 2016
season.

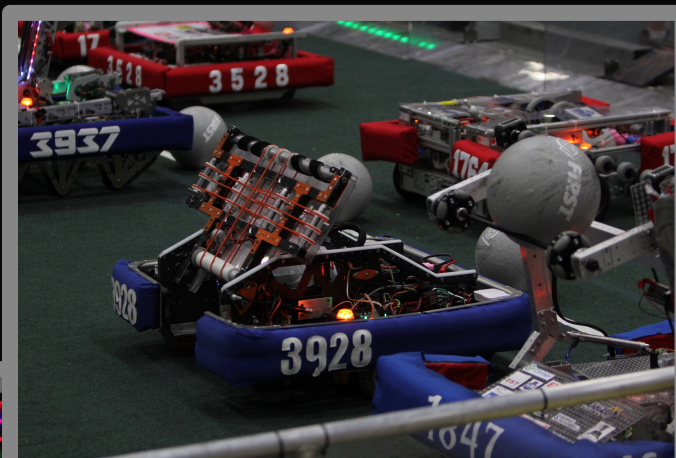
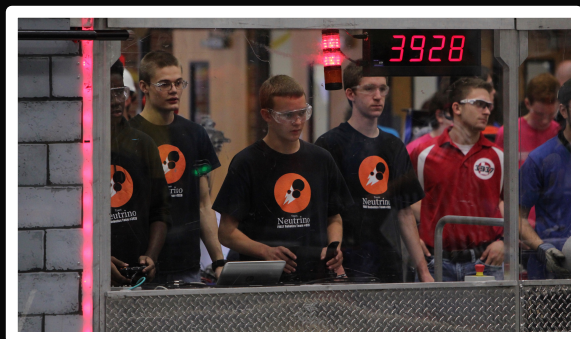


FLL Mentoring

In the 2016-2017 season, 3928 mentored 8 different FLL Jr. teams



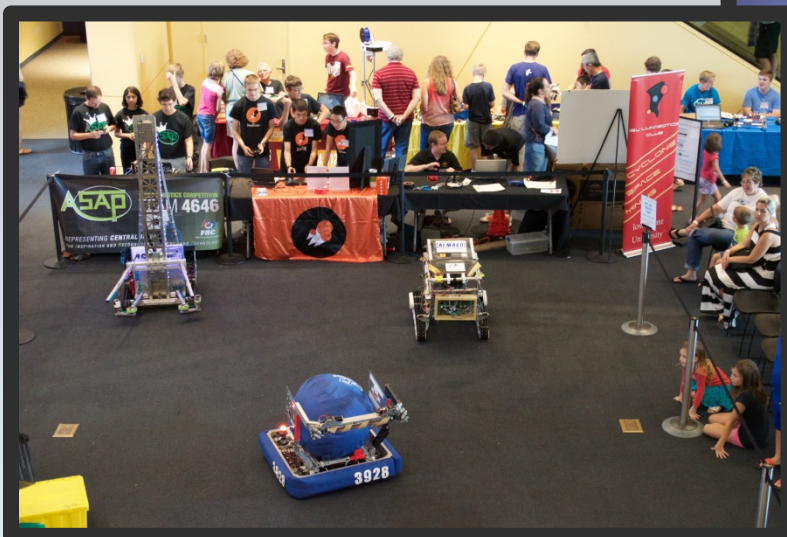
FLL Jr.



Cow Town ThrowDown

Science Center of Iowa

3928 volunteered and demonstrated at four separate SCI events: Mini Maker Faire, Girls in Science, an FLL regional competition, and Robotics Day.





Iowa State Fair

During the 2016 offseason, Team Neutrino joined with 967 to write and put on a stage act at the fair, along with demonstrations with 967, 525, and 167.



Business Card & Button Design

A business card was designed to direct people to the website to learn more about the team. The front has the logo, name, and number, and the back is plain white for use of writing on and other information if needed.



Team Neutrino

FIRST Robotics Team #3928

Story County, Iowa



www.teamneutrino.org | neutrinoofrc@gmail.com



Buttons and stickers for the team were designed and made to hand out at the competitions.

Sponsorship Letter



Neutrino

FIRST Robotics Team #3928

To our business community,

I'm a student from FIRST robotics team, 4-H Team Neutrino #3928. FIRST stands for "For Inspiration and Recognition of Science and Technology". FIRST aims to inspire and motivate students to pursue education and careers in science, technology, engineering, and math through robotic competitions. At the beginning of each year, a new game is introduced and FRC teams have 6 weeks to build a robot that weighs 120 pounds. If you would like to know more about FIRST, please visit www.usfirst.org.

Team Neutrino is a sixth season high school community robotics team located in Story County, IA. We are also affiliated with 4-H and ISU College of Engineering. After our six week build season, the team will attend regionals in Cedar Falls, IA and Minneapolis, MN. Teams that place in Regional Competitions attend the International Championship, hosted in St. Louis, MO. For more information about our team, visit www.teamneutrino.org.

If we reach our annual goal of \$29,000, we plan on using it to cover the costs of registration (\$9000 for two regionals), robot parts (\$5000), and miscellaneous costs and preseason projects, such as a new drivers' station, a battery cart, and a swerve drive (\$10,600). We hope to qualify for the Championship Event in St. Louis, which would require us to raise even more money (\$5000 for registration).

We appreciate any contribution to the team. Not only does the team need monetary support, we are in need of marketing materials, tools, mentors, fabrication of parts for the robot, and community support. Any contribution is greatly appreciated, and to say thank you we advertise your support wherever we go through our levels of sponsorship:

Diamond (\$5000+) – Large logo on robot, banner, pit, t-shirt; mention on team displays and website
Platinum (\$2500+) – Small logo on robot, banner, pit, t-shirt; mention on team displays and website
Gold (\$1000+) – Logo on banner, pit, and t-shirt; mention on team displays and website
Silver (\$500+) – Logo in pit and t-shirt; mention on team displays and website
Bronze (\$250+) – Mention on team displays and website
Honorable Mentions (\$50+) – Mention on team website

We appreciate your time and consideration in supporting our team!
Please respond to:

Rucha Kelkar
Co-Captain
680659kel@ames.k12.ia.us
(515)-708-7730

Moriah Conner
Fundraising Manager
880150con@ames.k12.ia.us
(515)-509-0620

Thank you!
Signed,
Students of Team Neutrino

Ames, Iowa

www.teamneutrino.org

neutrinoofrc@gmail.com

A letterhead was designed and used on team documents. Above is a letter used to inform businesses about sponsoring Team Neutrino.

What is FIRST Robotics?

FIRST®
*For Inspiration and
Recognition of Science
and Technology*

The mission of FIRST is to inspire young people to be science and technology leaders, by engaging them in exciting mentor-based programs that build science, engineering and technology skills, that inspire innovation, and that foster well-rounded life capabilities including self-confidence, communication, and leadership.

Founded by Dean Kamen in 1989, FIRST develops accessible, innovative programs to motivate young people to pursue education and career opportunities in science, technology, engineering, and math, while building self-confidence, knowledge, and life skills.

For more info on FIRST
www.usfirst.org



Team Neutrino 2017



For more information
about our team visit our
website at:



www.teamneutrino.org



Team
Neutrino
FIRST Robotics Team #3928

www.teamneutrino.org

About Team Neutrino

Team Neutrino faces the exciting challenge of building a robot to compete in FIRST Robotics Competition events. The team is composed of high school students from Story County. Each year a new game is released in the first week of January. The students have six weeks to design, build, and program the robot. While working along-side mentors at their build space at Iowa State University, students solve problems and learn about the field of engineering. They are also responsible for marketing the team, creating a positive team image, designing a website, and fundraising. Team Neutrino students volunteer their time to community events such as team-developed summer camps, robot demonstrations, and community service projects.

FRC is a unique varsity sport for the Mind™ designed to help high schoolers discover how interesting and rewarding the lives of engineers and scientists can be. Throughout the FRC experience, students gain the technical skills, professionalism and self-confidence that all but guarantee them extraordinary career opportunities.



Team Neutrino works hard to inspire students at a young age to pursue STEM. The team mentors 17 FIRST teams, runs eight camps, and volunteers for over 2,000 hours each year. Team Neutrino is well known in the community as being a cohesive, spirited group of high schoolers committed to spreading the mission of FIRST.

The robot above was designed to play FIRST STEAMWORKS. The challenge is to shoot "fuel" balls into a steam generator to power the airship, located in the center of the field. Gears must be delivered to make the airship fly!



Science Center of Iowa 2017

This brochure was developed as a way to educate the community about our team, FIRST Robotics, and the Mission of FIRST.



The Website

The screenshot shows the homepage of the Team Neutrino website. At the top, there is a navigation bar with links: Home, About, Contact, Events, Newsletters, Seasons, Sponsors, Alumni, and Resources. The main content area features two articles. The first article, 'Robot Reveal', is dated February 10, 2017, by David, and invites attendees to a robot reveal on Monday, February 20th, from 6:30 to 8:30pm in the Biorenewables Complex Atrium. The second article, '2017 Kickoff', is dated January 6, 2017, by Nathan Paskach, and wishes good luck to all teams competing this year. Below the second article is a group photo of the team members. On the right side of the page, there are logos for FIRST, Diamond Sponsors (John Deere, Danfoss, Monsanto Fund), and Platinum Sponsors (CIT Signature Transportation).

Team Neutrino
FIRST Robotics Team #3928

[Home](#) [About](#) [Contact](#) [Events](#) [Newsletters](#) [Seasons](#) [Sponsors](#) [Alumni](#) [Resources](#)

Robot Reveal

Posted on **February 10, 2017** by **David**

Team Neutrino would like to invite you to attend our Robot Reveal on Monday February 20th from 6:30 to 8:30pm in the **Biorenewables Complex Atrium**.

Posted in **Build Season 2017**, **STEAMworks**

2017 Kickoff

Posted on **January 6, 2017** by **Nathan Paskach**

Good luck to all teams competing this year!

FIRST

DIAMOND SPONSORS

JOHN DEERE

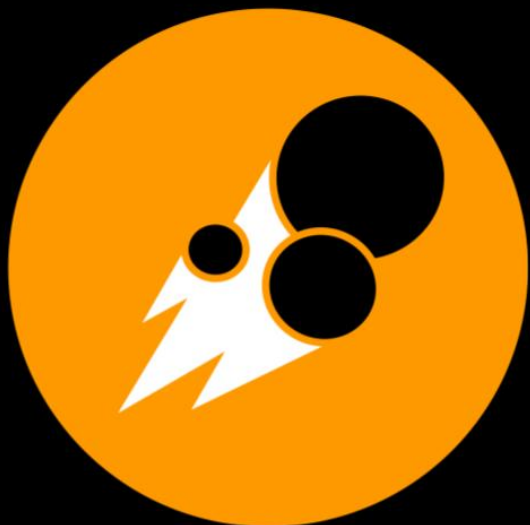
Danfoss

MONSANTO Fund

PLATINUM SPONSORS

CIT Signature TRANSPORTATION

The website offers information about the team and resources the team has developed through our outreach including FLL Jr. lesson plans, FLL team ideas, CAD resources, robotics class resources, fundraising resources, and more!



Team
Neutrino
FIRST Robotics Team #3928

The front of the shirt remains the same from year to year, and the back is updated with the sponsors for each year.

FRONT

BACK

Shirt
Design

3928

Thanks to our sponsors:



JOHN DEERE



MONSANTO
Fund



QUALITY MANUFACTURING
CORPORATION

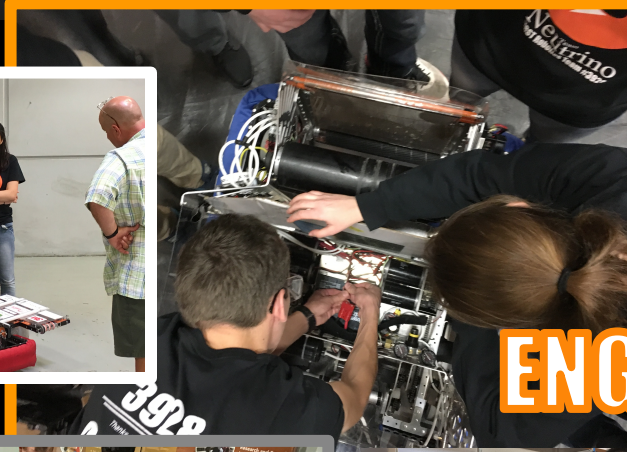


CIT
Signature
TRANSPORTATION

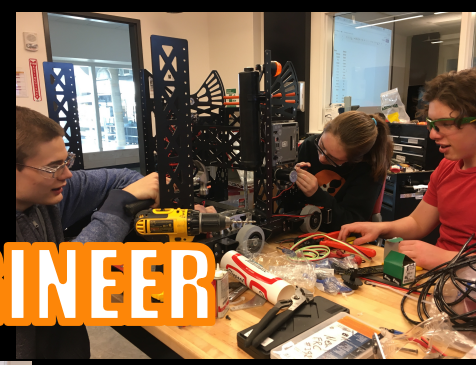
IOWA STATE UNIVERSITY
OF SCIENCE AND TECHNOLOGY



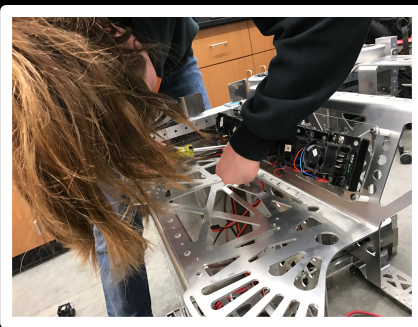
CREATE



ENGINEER



INSPIRE



2017



FIRST Robotics Team #3928