



METAMORA TOWNSHIP HIGH SCHOOL

Career & Technical Education

101 West Madison, Metamora, Illinois 61548
Phone (309) 367-4151 / Fax (309) 367-4154

Greetings from the Metamora / Woodford Area FIRST Robotics Team!

The MARS/WARS (Metamora/Woodford Area Robotics Students) team was created in 2012 and started out as a joint team with Metamora High School and Washington High School. The first year MARS/WARS competed in the Milwaukee Regional where they were awarded Highest Rookie Seed and Rookie All Star Award, earning a bid into the World Championship in St. Louis. Since then the team has competed at numerous Midwest Regional competitions and has returned to the World Championship three times. In 2015 Washington High School broke off to form their own team. Most recently the MARS/WARS team joined more than 450 other FRC teams at the World Championship in Houston. The team ended 7th out of 76 teams, and ended up in the top 1% of teams in the world.

In addition to the regular season competitions, the team is also active in their community with things such as MARS CARS, a program where the MARS/WARS team partners with Easter Seals to modify a battery powered car for children with disabilities. 2020 marks our 8th car. This involvement has seen an increase in MARS/WARS students pursuing careers in medicine, research and biomedical engineering. They have also been involved with CareerSpark which is an interactive, multi-industry career expo open to all 8th grade students in the Greater Peoria region. In addition the team has provided mentorship for the local area FIRST Lego League Team.

As the MARS/ WARS team continues to grow and excel at greater levels of competition, we hope to continue to sustain our momentum into the future. To be able to continue at these and even higher levels, we are looking to area industry members to partner with the team. Average costs to develop/build/compete ranges between \$20,000 to \$30,000+ a year depending on the advancement of the team. We believe that partnerships with the team is a great way for businesses to generate visibility, while having a very positive impact upon the community and future workforce. These sponsorships will assist the team with robot construction and competition costs. New partners will be given recognition on the competition robot along with media recognition as noted in the attached sponsor levels chart.

We hope that you will consider participation in this regard. Details for donations can be found on the following pages. Likewise, we also encourage you to visit our student developed team website at www.marswars.org. Please feel free to contact us at any time if you have questions or considerations.

Thank you!

Darcy Hunt
FIRST Robotics Team 4143
Email: 4143marswars@gmail.com



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FIRST Robotics- Quick Facts:

MARS/WARS:

- Metamora/ Woodford Area Robotics Students
- Founded in 2012 and hosted at the MTHS Vocational Department
- 30-40 Student team members and 10+ adult mentors from local industries
- Students are members of the following sub teams: Programming, Electrical, Mechanical, Design, and Marketing

FIRST Robotics: What is it?

- **FIRST:** For Inspiration and Recognition of Science and Technology
- International organization founded in 1989 whose motto is "To create a world where science and technology are celebrated...where young people dream of becoming science and technology heroes."
- Students are given 6 weeks during January & February to build a wirelessly controlled robot to compete in a game that changes each year.
- FRC (FIRST Robotics Competition) is a competition that stimulates student appetite for learning by coupling fierce competition with gracious professionalism.
- MARS/WARS Student developed website: www.MarsWars.org
- FIRST Robotics Website: www.usfirst.org /
- Game Animation: <http://www.youtube.com/user/FRCTeamsGlobal>

Comment from local employer:

"We were very impressed with the intern we had the past few summers and who is also working for us part time now that she's in college. Her programming skills and ability to seek out new methods to complete her projects were things that I believe were attributed to her time in FIRST Robotics. She's been a great asset to us and we've learned quite a bit from her as well in her time with us. The analytical and problem solving skills that kids learn in FIRST Robotics really do translate into any industry that they want to apply themselves to in the future." Greg Stevenart, Supply Chain Manager, Caterpillar



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Industry Partners: 3 Ways you can help

1. Pledge financial resources:

There are many expenses incurred by the team including competition registrations, supplies to build the robot and practice field, hotels and meals for competitions, etc. These expenses need to be offset for this program to be sustained and grow on a yearly basis. Any dollar amount given is appreciated. All donations are tax deductible.

2. Pledge mentor support:

As many of the technical aspects of the FIRST Robotics program will be new to first time students, a base of adult mentor support is necessary to help guide students along the developmental process. Any person with interest is invited to inquire about more information regarding participation in this program.

3. Pledge physical resources:

The largest costs in the budget are the regional competition registrations and the initial standard kit of parts required for each team. However, there are also a great deal of additional physical resources needed for this program. If you are interested in pledging physical resources please see contact information below or fill out the below information and mail to the address below.

Business Name: _____

Contact Name: _____

Address: _____

Phone #: _____

Email: _____

☐ Yes, I will pledge support of a FIRST Robotics team to be hosted at Metamora Township High School in the following ways. (check those that apply)

☐ Pledge of financial assistance:

Total Pledge: \$ _____

Pledges will ideally be collected in November of 2019. However, these can be accepted at any time.

☐ Interested in finding out more about becoming a mentor:

Name: _____

Phone #: _____

Email: _____

Field of Interest/ Expertise: _____

☐ Pledge of physical resources:

If you are interested in pledging physical resources please contact Brian Stoecker at Metamora Township High School (309-367-4151) to discuss resource need and arrange for pick up.

Completed forms can be mailed to:

Metamora Township High School:
Attn: Brian Stoecker
101 West Madison St.



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Pledge information or questions can also be emailed to Darcy Hunt at: 4143marswars@gmail.com

Industry Partners:

Sponsorship Levels:

Platinum: \$5,000:

- Recognition in team press
- Business name and/or logo displayed on the robot
- Business name and/or logo displayed in pit area at competitions
- Business name and/or logo recognition on the team T-shirt (largest font)*
- Robot demonstration at business location by request for local businesses
- Prominent "Platinum" level sponsor recognition on the team website, brochures, and banners

Gold: \$2,000:

- Recognition in team press
- Business name and/ or logo displayed on the robot
- Business name and/or logo displayed in pit area at competitions
- Business name and/ or logo recognition on the team T-shirt*
- "Gold" level sponsor recognition on the team website, brochures, and banners

Silver: \$1,000:

- Recognition in team press
- Business name and/or logo displayed in pit area at competitions
- "Silver" level sponsor recognition on the team website, brochures, and banners

Bronze: \$500:

- "Bronze" level sponsor recognition on the team website, brochures, and banners

Friends of MARS/WARS: up to \$500

- Our "Friends of MARS/WARS" level is designed for private individuals who are interested in helping with the ongoing expenses of running our FIRST Robotics program. In recognition of your appreciated support, your name will appear on our team webpage.

All sponsorships are tax deductible and are accepted as monetary or in-kind donations.

Checks can be made payable to:

Metamora High School Robotics

Mail to:

Metamora High School
Attn: Brian Stoeker
101 W. Madison St.
Metamora, IL 61548



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*For sponsor name/logo to be ensured on the 2022 season shirts, donations must be received by November 30, 2021.

Budget :

Although there is a significant cost associated with sustaining a FIRST Robotics team, we are confident that the benefits of this program significantly outweigh the cost. The following is a basic budget of costs that will be necessary to sustain the MARS/WARS FIRST Robotics team on a yearly basis into the future.

Qty	Description	Unit Cost	Total Cost
1	Basic Robot Kit	\$3,000	\$3,000
1	Additional Parts Needed for Robot (This amount is standard for teams across the country)	\$3,500	\$3,500
2	Competition Registration - During Season	\$2,000	\$4,000
15	Hotels rooms for out of town competition (2 nights)	\$150	\$4,500
	Base Season Costs		\$15,000

1	Worlds Competition Registration	\$6,000	\$6,000
1	Worlds Competition Transportation	\$3,000	\$3,000
15	Worlds Competition hotel rooms (3 nights)	\$150	\$6,750
	World Competition Costs		\$15,750

	Season Costs		\$30,750
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2	Off Season Events - Registration	\$1,000	\$2,000
5	Off Season Events - Hotel Rooms	\$150	\$750
1	Community Outreach/MARS CARS	\$500	\$500
	Total Off Season Events		\$3,250

	Total Program Costs		\$34,000
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