

METAMORA TOWNSHIP HIGH SCHOOL
Career & Technical Education

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



FIRST Robotics- Quick Facts:

MARS/WARS:

→ Metamora/ Woodford Area Robotics Students

→ Founded in 2012 and hosted at the MTHS Vocational Department → 40-50

Student team members and 10+ adult mentors from local industries → Students are members of the following sub teams: Programming, Electrical, Mechanical, Design, and Business Services

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

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.

Metamora, IL 61548

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



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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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Expected 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	\$2,000	\$2,000
1	Additional Parts Needed for Robot (This amount is standard for teams across the country)	\$3,500	\$3,500
2	Competition Registration -During Season	\$3,000	\$6,000
15	Hotels rooms for out of town competition (2 nights)	\$200	\$6,000
	Base Season Costs		\$17,500
1	Championship Competition Registration	\$6,000	\$6,000
1	Championship Competition Transportation	\$10,000	\$10,000
15	Championship Competition hotel rooms (4 nights)	\$200	\$12,000
	Meals for Team (Lunch/Dinner)		\$4,000
	Championship Competition Costs		\$32,000
	Season Costs		\$49,500
3	Off Season Events - Registration	\$1,000	\$3,000
10	Off Season Events - Hotel Rooms	\$200	\$2,000
1	Community Outreach/MARS CARS	\$500	\$500
	Total Off Season Events		\$5,500
	Total Program Costs		\$55,000