



Photo from the 2017 Competition.

## EXPECTATIONS FOR HIGH SCHOOL PARTICIPATION

- Attend the September coaches clinic to receive free support in planning for the 2020 Olympics event
- Attend a fall kick-off meeting with sponsoring company
- Dedicate at least one staff person to the project throughout the school year
- Coordinate students for one in-person meeting per month with company partner
- Plan to compete in at least one competition at the 2020 Southworks Olympics event in April
- Participate in the October Manufacturing Day activities and January Networking event



## ROBOTICS PROGRAM TIMELINE

**SEPTEMBER:** School resumes and all applications are due for participation. Coaches Clinic for teachers will be held on Thursday 9/24 at Rich East High School in Park Forest to share best practices among the robotics coaches and prepare for the upcoming season. Company representatives are welcome to attend this event.

**OCTOBER:** Manufacturing Day on 10/1 where schools tour their sponsoring companies. Initial meetings are coordinated between High Schools and companies.

**JANUARY:** Showcase/ Networking event at Prairie State College where students demonstrate what they've learned in robotics and engineering and have an opportunity to network with all sponsoring business representatives. Date TBA

**APRIL:** Robotics Competition event held on 4/25 at South Suburban College where all teams compete in at least one competition events. Top three winners identified in each category as well as other performance awards.



## BRIEF COMPETITION DESCRIPTIONS:

- **SUMO Survivor**  
Your Goal: Each robot has to find its opponent and cast it out of a 12 foot diameter ring in 2 minutes. Manipulators will be allowed this year.
- **Catapult CornHole**  
Teams will have 3 attempts to launch their projectiles and compete against another team using Cornhole style rules and larger beanbags.
- **ROBO Pathfinder**  
Your Goal: Build a robot that will successfully follow a line and react to motion, light, or touch.
- **VEX Robotics**  
Students will compete in timed competitions designed by club advisors and industry partners using VEX Kits.
- **Autonomous Racer**  
The Goal: build a driverless vehicle that can reach the finish line the fastest without electricity.
- **Transporter**  
The Goal: Use a flying drone to complete the course and accomplish the objective.

# 20) ' Southworks Robotics, Highschool Registration Form

All interested schools are required to complete this registration form and return to Mark Kramer at [remarktraining@gmail.com](mailto:remarktraining@gmail.com). All sponsoring companies will provide \$1,000 to each team for the cost of supplies and materials. Companies also expect to meet monthly with each team. All registration forms are to be completed and returned no later that **October 28th**

## CONTACT INFORMATION

TITLE:	Mr	Mrs	Ms	Dr	Prof.	Other, specify:
FIRST NAME:					LAST NAME:	
COMPANY					MAIN TELEPHONE:	
TOWN/CITY:					WORK PHONE	
WEBSITE:					PRIMARY EMAIL:	

## AVAILABILITY

WHAT DAY OF THE WEEK WORKS BEST FOR YOUR SCHOOL TO MEET WITH COMPANIES?	MONDAY TUESDAY WEDNESDAY THURSDAY FRIDAY	HOW OFTEN CAN YOUR SCHOOL MEET WITH COMPANIES TO WORK ON THE PROJECT?	MONTHLY BI MONTHLY WEEKLY
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**HIGH SCHOOL COMMITMENTS:** We are asking all interested high schools to commit to the following

- Complete a registration packet
- Attend the September coaches clinic to receive free support in planning for the 2020 Olympics event
- Attend a fall kick-off meeting with sponsoring company
- Dedicate at least one staff person to the project throughout the school year
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DATE:		SIGNED: (or write name here)	
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## ADDITIONAL NOTES:

- All funds for the project will be collected through the CSDEC and distributed to each school
- All school are encouraged to set up a meeting with Mark Kramer ([remarktraining@gmail.com](mailto:remarktraining@gmail.com)) to discuss any program questions or concerns. He will be responsible for distributing materials and can assist with setting up all initial meetings if you are having trouble.