

# COONEYTECH

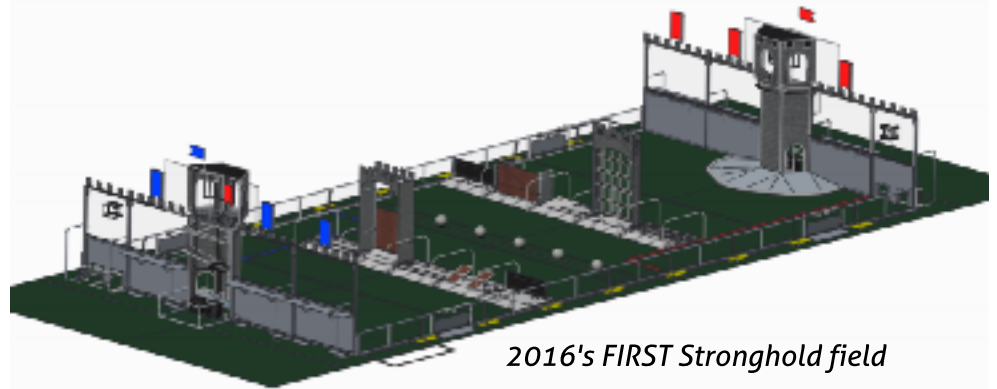
WEEK 1  
SATURDAY, JANUARY 9TH-  
JANUARY 16TH,  
2016



## BATTLE OF THE TEAMS

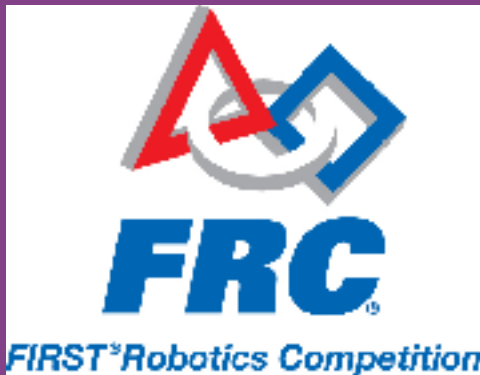
Welcome Robotics followers, sponsors, and fellow engineers! Our build season has already begun and we're progressing smoothly.

This year's game is called "FIRST Stronghold." It is based off of a medieval theme. The overall goal is to "capture" the opponent's tower. In order to do this, each team of three robots are required to breach various obstacles and defenses. These are known as "outer works." Points are gained by interacting with defenses, shooting "boulders" into either low or high goals and scaling the opposing team's tower. This entails lifting the robot's base off the playing field above 6 inches. The only requirement to scale a tower is it must be weakened by having been scored in 8 or more times. The field is 27 feet by 54 feet, and each round the defenses are rotated into different locations. The unique new field is shown below.



2016's FIRST Stronghold field

**FIRST**   
**STRONGHOLD**



For more information about the game's rules, go to FIRST's new website: [firstinspires.org](http://firstinspires.org)

The kickoff video is also at the following link:  
<https://www.youtube.com/watch?v=VqOKzoHJDjA>

## WE ARE SELLING RAFFLE TICKETS!

These can be purchased by contacting any CooneyTech members, or contact Sophia Fenger through the email below:

fengesop000@stu.oasd.org

They are \$3 a piece, or four for \$10. Prizes include a large flat screen TV, a laptop, or \$300.



## Kickoff

This year's kickoff day was Saturday, January 9th. As the team met at the high school to watch the video reveal live from the FIRST robotics website, all the main leaders of 269 were at WCTC. At Waukesha County Technical College, there is a mock up field for extra measurements to be taken. The kit of parts is also picked up there, containing items utilized for the creation of our robot. After the official kickoff, we regrouped and immediately read the rules, beginning to design and prototype potential robot designs.



### Did you know?

Former team member of team 269, Dr. Eric Jacobs is now a rocket scientist working with Gloyer-Taylor labs in Tennessee.

## So far this week...

We have been working hard and prototyping various defenses to experiment with. Our team collaborated as a whole and decided to create two different frames to see which one would work more efficiently. We have already programmed each kit bot and are deciding which system works better for our game this year. We recreated the draw bridge, low bar and the moat so far, and things have been working great.

### PROMOTE THE MEDIA!

Type in "cooney robotics" on our Social Media pages:

[Facebook](#)

[Twitter](#)

[Cooneyrobotics.com](http://Cooneyrobotics.com)

Post your support for our team!

# THANK YOU MENTORS!

Without our mentors, our team would be lost. We thank them for all the time they have spent teaching, educating and encouraging us to push past complications and stalemates we have and will encounter.

Allison Fischler - StanekTool

Brian Bayer - 3M

Dan Folger - Sharp Packaging Systems,  
Mechanical Engineer

Dave Guckenberger - Polymath Inc.

Jon Stieber - Talaris. Electrical Engineer

Marty Smiltneek- Outside the box

Richard Baird - Retired

Rick Vertz - Retired Tool and Die Maker

Karen Martin- Seamstress

Josh Anders - GE HealthCare

Jeff Horner - GE HealthCare

## We want to thank our sponsors!

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Machinery Installation Service Inc. for donating some machinery.