

WILD STANG *WOW!*



Volume 1, Issue 2

October, 2014

"It takes a community to build a robot."

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Upcoming Events:

- * No Class on Columbus Day, Oct. 13
- * RMHS Doughnut Sale Oct. 17
- * Miss Maker Fair- Nov. 1

We're on the web!
www.wildstang.org

Twitter:
[@111wildstang](https://twitter.com/111wildstang)

"Cascade Effect" and "Skyrise"

This year's FTC challenge has been released called, "Cascade Effect." In this year's game, robots are challenged to score two different sizes of plastic balls into tall, mobile scoring towers of varying heights: 30cm, 60cm, and 90cm. There are a total of 152 balls which start in a center structure. Each alliance also has it's own ramp, and scoring zone. Each match is divided into three time periods: autonomous, teleop, and endgame. In autonomous, robots are preloaded with one ball,

and pre-programmed to score it into a variety of places such as the rolling goals or the center structure. In teleop, robots are driver-controlled, and are able to drive around to pick up and score the game elements. Once robots have scored balls into the scoring towers, robots must then move the towers into their alliance scoring zone for the points to count. However, if the tower tips over, all the points are lost. In the last thirty seconds of the match, also known as the endgame, robots can still move the rolling goals into the scoring zone, but can earn even more points if they place the goals onto the ramp. The alliance with the highest score wins.



This year's VEX challenge is called, "Skyrise." In this game, robots are challenged to build "skyrise" posts out of individual smaller posts, and then score colored cubes on the posts. Cubes can also be scored on any of ten posts located near the perimeter of the field. Alliances can claim ownership of a post by having more of their colored cubes on the post than the other alliance. Each alliance has 22 cubes of their alliance color.

Watch the official FTC video at:

<https://www.youtube.com/watch?v=ABmBxCwHV94>

Watch the official VEX video at:

<https://www.youtube.com/watch?v=PJ-5H3JVtPs>

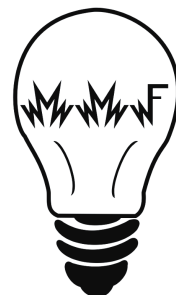
WildStang Plans Engineering Event for Girls

The WildStang robotics team will be hosting an outreach event to get local girls interested in engineering. The event, named Miss Maker Fair, will take place Saturday, November 1st at Rolling Meadows High School.

Participants will learn valuable engineering skills ranging from mechanical design to soldering. Through guided and supervised activities, the organizers

hope to instill an interest in the traditionally male-dominated STEM fields of science, technology, engineering, and math. WildStang team member and event organizer Veronica Boratyn says about the event, "An early introduction to STEM was very influential in creating my passion for science and its applications. I hope this event will inspire similar interest and shift the paradigm of girls

not having the opportunity to become interested in STEM activities." The event organizers hope that the girls who attend will be encouraged to explore careers in science and technology, or at the very least defeat preconceptions they may already have about these fields.



WildStang Students Participate in ALS Ice Bucket Challenge

Before Monday class on September 22, a group of WildStang students gathered in the back parking lot of Rolling Meadows High School to participate in the ALS Ice Bucket Challenge.

"WildStang had been nominated for the challenge by FRC teams..."

The WildStang team had been nominated for the challenge by FRC teams Trident Robotics, Winnovation, and Wave Robotics. Each person brought their own bucket, completed the challenge and had a great time. To pass along the tradition, WildStang has nominated teams #3132 Thunder

Down Under and #1675 Ultimate Protection Squad. We hope the nominated teams complete the challenge, and pass along the tradition.



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As a FIRST robotics team, WildStang is committed to spreading awareness of the FIRST program, and promoting the STEM principles, (Science, Technology, Engineering, and Math). WildStang has reached out to STEM companies, government officials, general public, middle and high school students, and more.