



# Team 3641 : The Flying Toasters

South Lyon High Schools Unified Robotics Team

[www.theflyingtoasters.org](http://www.theflyingtoasters.org)

*"Building Bridges and STEAM-ing Ahead to a Better Future"*



*"To inspire and intrigue, unite, and achieve greatness"*

## 2017 Challenge : *FIRST*® Steamworks SM

**Issue #2 Build Season - February 2017**

### Community Involvement

The Toasters take the idea of engaging the community very seriously. To do this, they participate in several outreach events and volunteer with local charity organizations.

The team helps to put on STEAM Classes at the local library, where they invite K-5th graders to participate in fun-filled activities centered around Science, Technology, Engineering, Art, and Mathematics. They also host Girl Scout nights, volunteer to make Easter Baskets for those in underprivileged situations with Families Building Faith, and unload trucks for Blessings in a Backpack. These are only a few of the many activities that they are involved in. Team members are enthusiastic to help out whenever they can and to be a part of their community!

### Build Team's Projects

Bag and Tag was February 21st. The team has to seal their robot as-is in a plastic bag and cannot touch it until the day of their first competition. The team planned out their six week build season using a new method for the team: a tactical plan. Through this, they were able to assign responsibilities and make sure that each step of making the robot was covered, from programming to mechanical. Now that the competition robot is sealed away, the build team is working on finishing up their practice robot in order to continue making progress and practicing the game!

### Chairman's Projects

The Chairman's team was also working towards a deadline: their essay submissions were due February 9th. The team worked to finish their essay and executive summaries, and actually finished them a week early this year due to the help of their mentors and tactical plan! They finalized and bound their Impact Study, a collection of all their outreach events. Now that competitions are coming up, the Chairman's team is focused on presentations and a video for the year!



*Chairman's Team after submitting their essay and executive summaries.*

## Upcoming Events !

Mar 9-11<sup>th</sup> → Ann Arbor Pioneer HS

Mar 30<sup>th</sup> - Apr 1<sup>st</sup> → Howell MS

Apr 12-15<sup>th</sup> → State Championships

Apr 26-29<sup>th</sup>. → World's Championship



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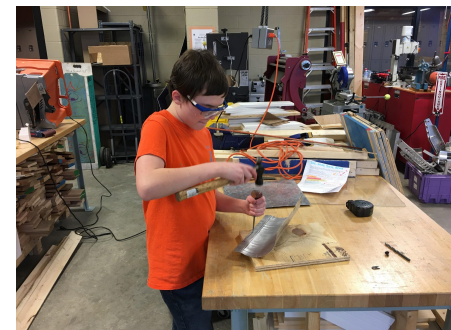
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## Strategy and Scouting

The strategy team has been working on creating a new software that will allow them to more efficiently compile data on other robots and matches. They also have acquired several scouting laptops, making it much easier and more intuitive for team members to help out with scouting other teams robots. Scouting is a very integral part of the team, as they help pick alliances during the final matches and help the team improve based on how matches are going.

## Competition Invite

The Flying Toasters would like to invite our sponsors to their upcoming competitions! There will be one at Ann Arbor Pioneer High School on March 10th and 11th, and the final district competition is at Parker Middle School in Howell on March 31st and April 1st. The team hopes that all their sponsors can come out, support them, and be able to see in person how their money has truly helped the team excel! The team members cannot wait to personally meet and put faces to the gracious support they have received.



## Recent Outreach:

STEAM Class: Sept. 22nd

FLL Competition: Nov. 19th

STEAM Class: January 31st

Open House

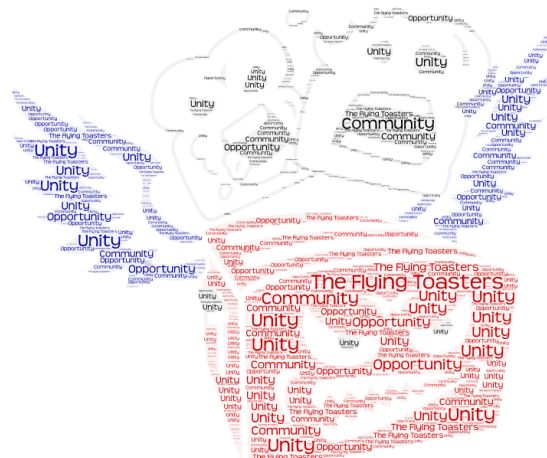
## Upcoming Outreach:

Blessings in a Backpack: April 11th

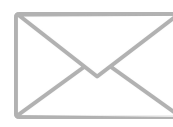
Families Building Faith Easter Baskets:

March 22nd

School Board Presentation



For More Information:





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## Sponsor Spotlight On: Pratt & Miller

The Toasters would like to give a special thanks to Pratt & Miller for their exceeding support this year! Not only have they given the team monetary aid, but they have invited the team to visit their facility as well as tours and engineering training. They also granted us access to their water jet milling machine to produce robot parts. Their continued support will lead to more amazing opportunities for the students down the line.

The Flying Toasters would like to give our thanks to all of our sponsors! The sponsors' support comes in many shapes and sizes such as monetary support, material donations, or offers to mentor our team. They are the much needed help to push our team forward and continuing to do our best to succeed.

## Want us to Visit?

The Flying Toasters encourage positive sponsor relations, as they would not be where they are without the support they receive each year. This year alone they have already visited Testek and Pratt and Miller to tour their facilities and be able to better connect with their supporters. This gives the team experience interacting with companies and community members, as well as giving them a window into potential future careers or job opportunities.

Please contact us if you are interested in this exciting opportunity!



Kevin Whitehead • Bhaveshkumar & Ragini B. Kothari • Douglas & Julie Meidt • Harikrishna & Radhika Pemmada  
Michael & Deborah Martin • Sreedhar Yedlapati & Neelima Yedlapati • South Lyon Residents • Gary A. Goldberg PLLC  
Jonathan & Tara Richardson • William & Karen Schmidt • Glenn & Lynn Martin • Brian & Lynn Snider  
David & Jennifer Shifferd • Shane & Amanda Giebel • Charles & Terri Settino • Jim & Janet Sicoli



Team visit to Pratt & Miller over the summer of 2016

For More Information:

