



FLL Team Information Sheet

FLL Team Number: 19237
Team Name: The "Fire Breathing Rubber Duckies" (FBRD)
School/Affiliation/Location: Blacksburg Home Schoolers (be afraid!)

Team Members:

Tabitha Weeks
 Hettie Roberson
 Abigale Roberson
 Caleb Ohanian
 Boston Rosborough
 Caleb Helsing
 Serena Helsing
 Noah Provenzano
 Seth Provenzano

Coaches:

Thomas "Tweeks" Weeks
 Gray Roberson

Mentors:

Warren Rosborough
 Lee Ann Helsing

Robot's Name:

Mr. FireBiRD



Team Picture

Robot Design Information

Tell the judges information you want them to know about your robot's design. You might tell them something about your game strategy you think is cool, or some interesting attachment you designed, or some other facts about your robot that you think are cool.

Mr. FireBiRD (our robot):

- has modular dog gear attachments
- has 1-way door attachments
- uses TWO light sensors to line up on black lines
- has an instabumper
- is simple yet strong (it once destroyed a building!)
- we used port view to measure stuff

Core Values Information

Tell the judges what you learned about FLL Core Values this season. Let them know about problems you solved, what you've learned about working together as a team and what Gracious Professionalism means to you.

- core values make work more efficient
- we had to learn to compromise.
- dividing work into roles saves time
- Team spirit is better when you act as a team & share work.
- G.P. means that you include every person on the team and that it's important to respect the ideas of others. Arguing wastes a lot of time.

- We have provided Robot Design supporting materials
- We have provided Research Project supporting materials
- We would like our presentation materials returned to us

Project Information

Tell the judges information you want them to know about your project. Examples in something special you learned, who you shared your research with, what experts and what you learned about your community.

Pizza Boxes Can Now Be recycled!

We started off researching and experimenting how we could make pizza boxes recycling by inserting foil sheets under the pizza. In the process, we spoke to the recycling plants and found out that newer Single Stream recycling can now accept greasy pizza boxes (we emailed experts at MRSWA). The expert said people needed to be educated about this new fact, so our team created educational stickers and worked with Benny's pizza and other pizza shops in town to put our stickers on over 150 pizza boxes. We also created and delivered a skit on the subject to Rackspace employees, presented our project to them, and gave out free educational stickers.



Fun Facts About Our Team

Tell the judges anything fun about your team that you want. It could be a funny story, your team motto, or anything else you'd like them to know.

Motto:

Build Ideas, Build Bots, Build Friendships!

Stories:

- "The Demolition Arm" (ask Noah)
- "Why we never finished demolition"
- "The robot that slapped me in the face!" (ask Tabs)
- "How we used K.I.S.S. to design Mr. FireBiRD"
- "How we simplified our "line" myblock on the Transportation (truck) mission"
- "Using degrees instead of time to roll straight"
- "The importance of good program naming and backups"
- "Big teams vs small teams"
- "Why asking experts is so important before making a solution"