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## **GO Team Info**

GeneWorx Oughtamation was created on November 18, 2012.

GeneWorx Oughtamation is a year-round team. For example after the season was over, in February 2015, we watched  as a team and brainstormed project ideas over hot cocoa. In March, we had Raspberry Pi Day, where Rose showed off the game she programmed. In April, we had several meetings where we built a new robot. In May, we continued building the robot. In June, we built the robot some more, and met with a neighboring team, the Holy Cross Crusaders. In July, various team members went to Engineering Camp and Arduino Programming at the Griffiss Institute. In August, we had Minecraft Day #1, Robotics Camp at Griffiss, and taught an FLL camp at the Oneida Public Library. In September, we had a 3D printing demo at the Cruz household, where we also assembled the board. In October, we did lots of fun stuff, including Reagan and Roland's birthday party at Sky Zone (the trampolines are awesome), we went trick-or-treating as a team, we had Moe's Monday (yum!) and Minecraft Day #2 at the Barris household. In addition, our team held Skype scrimmages with the Peace By Peace (won their qualifier) and Brick Busters (in Ohio). All in all, being on GeneWorx Oughtamation is a fun, educational experience for everyone on our team!

### **Team Spirit**

- **January 5<sup>th</sup> - January 23<sup>th</sup>** Bob does online Precalculus at HCCC as a 7th grader and passes with a B.
- **January 22<sup>nd</sup>** Rachael challenges Trigonometry as a 10th grader.
- **February 17<sup>th</sup>** Reagan & Roland start ixl math self study online.
- **February 21<sup>st</sup>** Game day at the Linderman's.
- **February 24<sup>th</sup>** Alex starts ixl self study math online.
- **March 1<sup>st</sup>** Raspberry Pi day.
- **March 7<sup>th</sup>** Brainstormed for the project with the EV3rlasting EV3 team after the Lego Movie at a cafe.
- **March 14<sup>th</sup>** Dylan started ixl self study math online.
- **March 22<sup>nd</sup>** First FLL meeting of the season.
- **April 19<sup>th</sup> and 26<sup>th</sup>** FLL meetings.

### **May 24<sup>th</sup>, May 31<sup>st</sup>, June 7<sup>th</sup>, and June 14<sup>th</sup> FLL meetings and robot building.**

- **June 22<sup>nd</sup>** FLL meeting.
- **July 6<sup>th</sup> - August 20<sup>th</sup>** Rachael and Bob do Calculus.
- **July 13<sup>th</sup> - July 17<sup>th</sup>** Engineering camp where Dylan, Meg, Rose and Rey trained.
- **July 20<sup>th</sup> - July 24<sup>th</sup>** Arduino programming where Meg, Bob and Rachael trained.
- **August 3<sup>rd</sup> - August 7<sup>th</sup>** Robotics camp Griffiss where Bob and Rachael and Reagan, Rose, Roland and Dylan learned.
- **August 14<sup>th</sup>** OPL robotics camp setup.
- **August 16<sup>th</sup>** 1st Minecraft day: Rey, Bob Roland, Dylan, and Cole attended.

- **August 17<sup>th</sup> - August 21<sup>st</sup>** Rey, Rose, Bob, Cole, Dylan and Rachael taught OPL FLL camp where Meg, Danny, Roland, Ev3rlasting EV3 team and Holy Cross Academy attended.
- **August 18<sup>th</sup>** The Trash Trek Mission Instructions were released.
- **August 25<sup>th</sup>** Trash Trek missions are released.

**Every Friday and Sunday from September 18<sup>th</sup> to January 15<sup>th</sup> is an FLL Meeting.**

- **September 13<sup>th</sup>** 3-D Printing day at Meg's house.
- **September 18<sup>th</sup>** Board setup.
- **October 11<sup>th</sup>** Minecraft day number two at Rose's house.
- **October 12<sup>th</sup>** All day FLL meeting, team lunch at Moe's.
- **October 29<sup>th</sup>** Reagan and Roland's Sky Zone Birthday Party. All team members invited.
- **November 1<sup>st</sup>** Skype with **Brick Busters**.
- **November 21<sup>st</sup>** FLL Qualifier Tournament at Proctor High School.

**Saturdays from November 7<sup>th</sup> to the Regional tournament FLL meetings.**

- **October 31<sup>st</sup>** Trick or Treating as a team.
- **November 11<sup>th</sup>** Team lunch at Moe's and Full day meeting.
- **November 13<sup>th</sup>** Scrimmage with the **EV3rlasting** EV3 team.
- **November 17<sup>th</sup>** Skype Scrimmage with **Peace by Piece**.
- **December 7<sup>th</sup>** Phone call With Firestone Tire Company.
- **December 17<sup>th</sup>** Rose starts IXL.
- **December 30<sup>th</sup>** First Annual Oneida Owsome Oughtamator Scrimmage attended by Peace By Piece and the EV3rlasting EV3s. Peace By Piece won the scrimmage
- **January 16<sup>th</sup>** Championship Tournament at SUNY PI

- January 17<sup>th</sup> FLL party and Minecraft Day #3. (TOMORROW!!!!!!!!!!!!!!!)

**Main Roles**

- Reagan Kohler - Secretary & Project Expert
- Bob - Civil Engineer & Lead Programmer
- Meg - Lead Programmer
- Dylan - Builder, Revisor of Letters
- Cole - Lead Builder
- Rose - Core Values Documentor
- Roland - Robot Gamer & Duplicator and Chief Clean-Up Guy
- Alex - Programmer
- Danny - Mission Person

### **Year-Long Roles**

**Reagan Kohler** - I worked on programming the robot to go inches and accelerate. I also created a program to accelerate to a distance. However, others added to my accelerate to a distance. I also worked on creating, editing and researching for the project. I presented the project to Otto Shortell Middle School. I also made the first three versions of our elevator. The final version of the elevator was strengthened many times. I was also one of the main people working on posters and presenting them to other teams. I also worked with Cole on his second attempt to do the factory, Meg continued that mission. I was the official secretary for our team.

**Dylan Bartell** - I have mostly worked on building. I have, for example, built the engine dropper attachment, and remodeled the brick section of the robot so that the brick was upright instead of facing the side. Also, I made the second robot, and worked on making the third. Plus, I worked on programming a little bit. I went to 2 robotics camps, and taught at one of them. Plus, I have done math outside of school on ixl.com. In addition, I have revised almost every email that we have sent. This is my second year on GeneWorx Oughtamaton.

**Roland Kohler** - I have mostly worked on our robot and worked on programming on our robot. Also I worked on the new robot (third robot) and improved the robots. I also worked on the demolition and salvage missions and finished it as the first mission to get points for a mission's. I also clean up a lot and put bricks away at every meeting, and set up the robots between missions, which is a really big help.

**Rose Barris** - I have mostly worked on project researching and and core values documenting. I also worked on the factory mission with Meg a little bit, and I worked on an attachment to lift the truck that was later reworked for more points. I also taught at the camp at OPL that my team co-taught. In addition, I do extra math outside of school at ixl.com. This is my second year on GeneWorx Oughtamaton.

**Cole Netzband** - This year in FLL I have focused on building and testing the robots and their attachments. I have built attachments to do the sorter, the demolition, the methane, and the truck. I always show gracious professionalism with other teammates. This is my third year in Geneworx Oughtamaton and I have met new friends and learned more than I have learned over the last 3 years, to focus on building and design.

**Danny Cummings** - I took the robotics class this summer at the Oneida Public Library. I have mostly worked on building the robot and writing the move truck program. I transferred from the Holy Cross half way through the year, so I've had less time to contribute. I'm really thankful

**Meg Cruz** - I took the class at the Oneida public library, then decided to join the team. Throughout the year I've worked on Geneworx Oughtamaton team, and I have fulfilled my role as a team member by programming and helping my teammates when or if needed. In the beginning as a new member I tried every position to find what suited me the best. I later found

that our team needed more members taking part in programming so I took it upon myself to learn and to program anyway I could.

**Alex Linderman** - In the beginning as a member of Geneworx Oughtamaton team 10000, I aided my teammates on the project contents and presentation. Then as the time between then and the competition thinned I began to complete missions for the team.

**Bob Kohler** - This is my third year on Geneworx Oughtamaton. I mainly worked on programming and building for the robot game although, after the qualifier I helped work on the project and wrote a draft of the skit. Alex and I have been writing new, as well as improving the old infrastructure BuildingBlocks for the programs. I also taught two classes in robotics to introduce other kids to FLL.

### **Robot Design and Build**

#### **Missions and people who did them**

- Demolition and salvage - Roland, Bob
- Factory, methane and airplane - Rey, Meg, Cole and Rose
- Compost - Bob, Roland and Alex
- Truck and airplane - Danny, Bob, Rey, Roland and Rose
- Car engine, methane and chicken - Dylan and Bob
- Animals and plastic bag - Bob
- Sorter and plastic bag - Roland, Bob and Cole

#### **Robot and who worked on it**

- Elevator - Rey and Roland
- Body of the robot - everybody

#### **Poster**

- Rey, Roland, Cole, Rose, Bob, Danny and Dylan put together the Robot Design Poster

### **Inspiration-**

Balanced emphasis on all three aspects; it's not all about winning awards	Have people working on everything all the time
Enthusiastic & fun expression of the team identity	Smile, act happy, don't fidget (stand still)
Application of FLL values and skills outside FLL	Examples: school, swim team, cub/ boy scouts, wrestling

### **Teamwork-**

Problem solving & decision making processes help team achieve their goals	We work as a team and communicate well
Resources used relative to what the team accomplishes; time management, role distribution & responsibilities	We have individual roles that allow us to get more done
Appropriate balance between team responsibility and coach guidance	We take turns leading meetings with little-no coach guidance

### **Gracious Professionalism-**

Consideration and appreciation for the contributions (ideas and skills) of all team members, with balanced involvement	No one says that someone has a "bad", "stupid", or "dumb" idea.
Team members act and speak with integrity so others feel valued-- especially when solving problems or resolving conflicts	We respect everyone and rarely get into fights
Team competes in the spirit of friendly competition and cooperates with others	We have friendly competitions with nearby teams