

ROBOLANCERS

FRC Team 321

ENGINEERING INSPIRATION

"To inspire and prepare the next generation of STEM leaders in Philadelphia"

Run **14**
events

Support **130** FIRST Teams with ~1,000 students

Demonstrations at **8** community and professional events reaching ~5,000 people



Demonstrations at **2** school wide events reaching ~3,000 people

GRACIOUS PROFESSIONALISM

FRC 9014 - Vulcan Mechanics

We welcome this rookie team into our build space multiple times per week supporting them in the designing, building, and coding processes.



Team Expectations

We strive to embody the values of FIRST; we encourage this in our team through Diversity, Equity, and Inclusion training.



Our members actively engage in the FIRST community through volunteer work, mentorship, and competitions.

IMAGERY

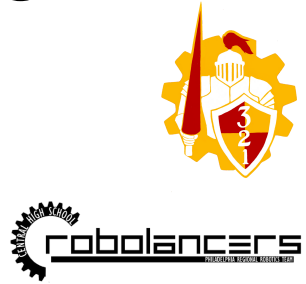
3 Brands

RoboLancers

GOAL: Represent the colors and imagery of Central High School maintaining a consistent brand across our 25 years in FIRST.

#BB80100

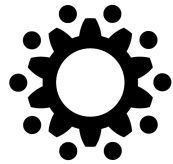
#FCB804



Philadelphia Robotics Coalition

GOAL: Create a cohesive community image for Philadelphia robotics programs.

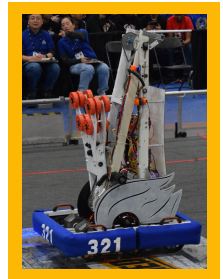
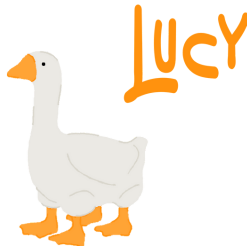
#DD3333



Goooose

GOAL: Celebrate the fun of competition and cheer on our robot Lucy the Goooose with a unique team wide image.

#FF920E



TEAM SPIRIT

The Spirit of FIRST

At every event we run we strive to engage everyone there in the spirit of FIRST. From cheers to line dances and face paint we want to bring every aspect of FIRST to our community.



In the Stands



"Lets go Lucy!" A cacophony of honks is this year's rallying cry. In fully embracing ourselves we can spread the fun of competition. Our dedication to making it loud for our drive team and alliance partners provides opportunity for connection.



TEAM SUSTAINABILITY



90
NEW MEMBERS



BOOT CAMP

Each fall new members experience every subgroup through our 2 week bootcamp. As new member inductions subgroups are selected and new member FTC teams are joined. Each of these teams is mentored by a returning member.

SPRING TRAINING

After a long year we prepare for the next with spring training. Classes led by leadership, mentors, and alumni help build the necessary skills to sustain the team.



CREATING PIPELINES

Demonstrations at 6 area schools to build sustainable programs. Introducing 60 students to FLL through our summer camps.

OUR ROBOT: LUCY

GOOOOSE

To achieve the Goooose aesthetic our team developed an in-house powder coating system. Collaborating with the art department to utilising their kilns to set the powder.

DESIGN

- 6 Wheel Tank Drive
- 2 Joint arm
- Powered intake for cubes and cones

