

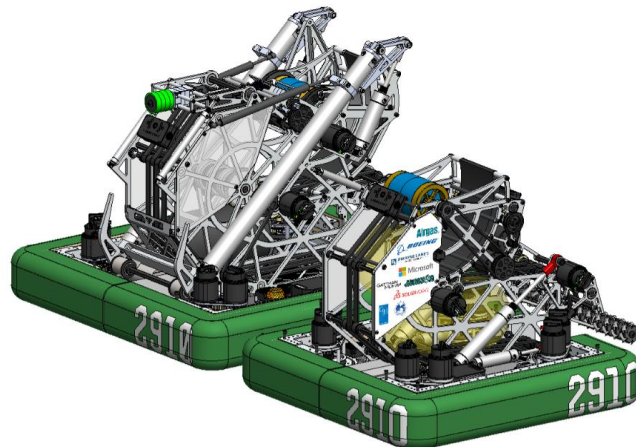
April 22, 2021

I'm pleased to share some results from this year's FIRST Robotics Competition. It has been an awesome year for JHS's Robotics Team.

### **INFINITE RECHARGE AT HOME:**

This group of students built a smaller, more optimized robot based on our 2020 design. [We recorded and submitted video](#) of its capabilities, both programmed and driver-controlled. They were interviewed by FIRST Updates Now's "[Behind the Bumpers](#)" channel. We competed in our group against 28 other teams from across the United States, and even a few teams from Turkey and Israel. Super cool!

We learned today that we have officially won our group this year. Out of the over 1400 teams that competed worldwide, this [global leaderboard](#) has your very own Team 2910 ranked *9th in the world*. **WOW!** Here is a side-by-side of our robot last year (left) and this year (right):



### **INNOVATION CHALLENGE**

This group of students worked with mentors to research, design, and begin to CAD a mask that uses electrostatics for smoke filtration and present a business style pitch to judges. The goal was to design something that allowed kids to be active (we were focused on the impact of smoke from forest fires, not COVID).

Well over a thousand team competed here as well. We received very positive feedback from the judging panel. Unfortunately, we were not selected to make it to the semi-finals, falling short of several strong teams in our 31-team division. Still, the work that this group did was some of the best examples of collaborative research, design, and leadership that I have ever seen with high school students. I'm very proud of their work and presentation.

### **GAME DESIGN:**

We still wait for results on this one. We submitted a rulebook and CAD model of a Robotics

field for future games and presented that concept to judges. One judge remarked that "from an engineering perspective, this is one of the most sound game designs I have ever seen". We eagerly await results here as well.

<b>Student First Name</b>	<b>Student Last Name</b>	<b>Challenge</b>
Rahul	Bonthu	Infinite Recharge At Home
Alexandra (Alexa)	Bublitz	Infinite Recharge At Home
Yeshwanth	Dhanasekar	Infinite Recharge At Home
Ray	Gautam	Infinite Recharge At Home
Sanchit	Goel	Infinite Recharge At Home
Dylan	Holling	Infinite Recharge At Home
David	Hyun	Infinite Recharge At Home
Chase	Jablinske	Infinite Recharge At Home
Vladimir	Kupryukhin	Infinite Recharge At Home
Dapo	Olaniyan	Infinite Recharge At Home
Darlina	Phan	Infinite Recharge At Home
Tim	Tien	Infinite Recharge At Home
Arjun	Vinodhan	Infinite Recharge At Home
John	Fotheringham	Innovation
Vidushi	Gautam	Innovation
Shreyank	Gupta	Innovation
Katie	Hagman	Innovation
Nikolaus	Henkel	Innovation
Ellie	Jablinske	Innovation
Ronak	Lulla	Innovation
Ty	Ouderkirk	Innovation
TJ	Park	Innovation
Logan	Pedroza	Innovation
Aspen	Perry	Innovation
Quinn	Pfeifer	Innovation
Aron	Seigal	Innovation
Abhi	Tandon	Innovation
Parker	Willeford	Innovation
Joshua	Zimmerman	Innovation
Abhi	Basak	Game Design
Alexis	Ferguson	Game Design

William	Harris	Game Design
Ryan	Mun	Game Design
Nathan	Smith	Game Design

All the best!

---

Kyle Pihl

Math Teacher - Jackson HS

[kpihl@everettsd.org](mailto:kpihl@everettsd.org)