

IMPI Robotics

FIRST Steamworks

Another year. Another game! This year, teams all over the world are preparing for FIRST Steamworks. The game is played by two alliances, one red, one blue, of three robots each as they collect fuel and gears so we can launch off our airship. Robots have to collect small plastic balls (fuel), and shoot or place them into boilers in the corner of our field. The balls are then counted as points, and steam is sent to our ship in the middle of our field, where it acquires more steam. You can also collect gears from your team, and send them to the airship, which gives our team more points. The final way to get points is near the end of the match. Ropes will be lowered from the airship, and if a robot is able to climb the rope and touch a plastic disk, it will get a massive amount of points. To see the animation go to: [Steamworks](#)

The game is quite challenging this year, and we can't wait for the compet-

Last Year's Accomplishment

The last few years were very successful for IMPI Robotics. In our last season, FIRST Stronghold, we won the Chairman's award at our first competition, and made it to the elimination rounds in both districts. The year before that, FIRST Recycle Rush, we won our first district, got second place in our second competition, made elimination rounds in states, and made it into nationals in St. Louis. These are great accomplishments that any team would be proud of, and we are ready to make a name for ourselves once again.

Senior Profile

To begin our short series on the amazing seniors in our robotics team, we will be starting with our programming captain, Zaine Wilson. Zaine is returning for his sixth year on the team and is glad for the family he has found. He joined this team because he loves the competitive spirit, and is also very interested in programming. He is glad that the team has given him more practice and experience in programming. After high school, Zaine will be pursuing a career in cyber security at college.

Changes From Previous Year

This is the Impi warrior's tenth year together as a team. We have four FLL, FIRST Lego League, teams set up in our district with around forty kids participating in total. In our team, we have a total of sixty students this year compared to around forty last year, and thirty in the year before that. In the team itself, we have split previously larger groups into smaller subgroups with student leaders to increase efficiency. Lastly, we have acquired more equipment, including a new drill press in our room to help design and make another beautiful robot.

Bi-weekly Update

Our first week of build season is a week of ideas. Our build team has started prototyping different designs for our robot. The chairman's team has started working on their public outreach essay for competitions, and are preparing for another great year. Also the programming team has installed their software on our computers, and