

Hello Crew,

Welcome aboard and thank you for choosing Team 4418 IMPULSE! Team IMPULSE is proud to be the varsity robotics team at STEM School and Academy in Highlands Ranch, Colorado. We are supported by the school's administration and faculty, who understand that the experiences our team provides the students are supplemental to what they are learning in their science, technology, engineering, and math classes. Through STEM Academy, we are also able to provide these experiences to other students in the area who do not attend STEM High. The engineering labs at STEM provide all of the tools our team needs to build our FRC robot. In addition to the standard hand tools and power tools found in most technology education labs, STEM is also equipped with such tools as: multiple 3D printers, a laser engraver, CNC milling machines, a vertical mill, a TIG welder, etc. Hands-on learning with these tools gives students not only technical knowledge but also confidence in their technical abilities.

Our Goals This Year;

- To provide opportunities for students to apply their STEM skills to solve authentic, open-ended engineering problems.
- To provide opportunities for students to engage with and learn from STEM professionals.
- To teach and practice gracious professionalism.
- To develop social, teamwork, and leadership skills.
- To inspire and support student exploration and pursuit of STEM careers.
- To recruit sponsors and parent mentors to help during the season

While you are aboard IMPULSE you can expect nothing but the best from our team adult mentors ranging from Engineers to business professionals, they are here to help you on your path to success. Whether it be cutting a piece of metal, too helping you solve that trig problem to calculate the path of the robot in autonomous! We hope that while you are on IMPULSE you enjoy the atmosphere we provide and overall leadership. Remember FIRST is out to inspire young minds and prepare you for the future practicing gracious professionalism in all circumstances will help you inspire others to make the World and our shop a better place! I hope your experience is pleasant and the takeaway from this year alone will help you in the future. Once again Welcome Aboard Team 4418 IMPULSE and strap in for a ride to your future as a young engineer or business leader!

Thank you,

John Castillo



Coach of 4418 IMPULSE



## Student agreement Application

Please fill in all the blanks.

Name \_\_\_\_\_

School \_\_\_\_\_

Grade \_\_\_\_\_

Birth Date \_\_\_\_\_

T-Shirt Size \_\_\_\_\_

E-Mail Address \_\_\_\_\_

Cell Phone \_\_\_\_\_

Home Phone \_\_\_\_\_

Home Address \_\_\_\_\_

Parent/Guardian Name \_\_\_\_\_

Parent/Guardian E-Mail \_\_\_\_\_

Parent/Guardian Phone \_\_\_\_\_

Participated on FRC Team Before (What Team)? \_\_\_\_\_

Preferred position on team (NOT Final) \_\_\_\_\_

Questions:

1. Why do you want to participate in FIRST Robotics Competition?

2. What do you hope to achieve as a member of IMPULSE?

3. General questions?

