

# Who We Are

Team 423, the Simple Machines, was founded in 2002, combining teams from Cheltenham High School, Springfield High School, and Eastern Technical Institute. Over time, Eastern and Springfield have moved on to form their own teams in other robotics programs, and now the team solely represents Cheltenham High School. The team has ranged in size over the years, from more than thirty students to less than ten at times. The adult mentors on the team are parents of students (both current and graduated), teachers at CHS, parents, community members, and engineers who graciously volunteer their time.



## Simple Machines 423

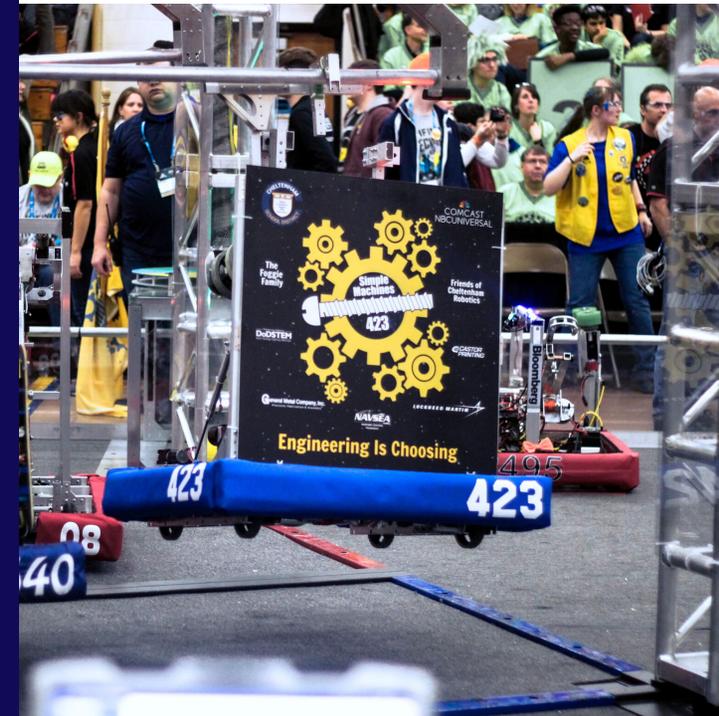
Cheltenham High School's *FIRST* Team

## Contact Us

[simplemachines423@gmail.com](mailto:simplemachines423@gmail.com)

instagram: @frc423

tiktok: @frc423



20th Anniversary!



# Our Mission & Vision

## OUR CORE VALUES

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The Simple Machines strives to foster a love of STEAM and encourage collaboration among students of all ages. Our vision is for the future generation to feel empowered, supported, and prepared to face the path that lays ahead of them once they graduate high school.



## FIRST

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The mission of FIRST® is to inspire young people to be science and technology leaders and innovators, by engaging them in exciting mentor-based programs that build science, engineering, and technology skills, that inspire innovation, and that foster well-rounded life capabilities including self-confidence, communication, and leadership.

## OUR FACULTY

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We have 7 mentors comprised of parents and volunteers and are always looking for more! Whether you are a mechanical engineer or you build things in your free time, we would appreciate your expertise. We also need media, business, and marketing mentors. If you are specialized in those things we would love to work with you!

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Failure is not an option  
it's a requirement

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## 2020 COMPETITION (INFINITE RECHARGE)

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Robots race to score Power Cells to energize their Shield Generator for maximum protection. To activate stages of the Shield Generator, bots manipulate Control Panels after scoring a specific number of Power Cells. Bots then race to Rendezvous Point to get their Shield Generator operational in order to protect the city! (FIRST description)

