

# 2012 ROBOT - ELSET

Elset was built to play Rebound Rumble on the idea of simplicity and imagery; the robot was designed to collect compact foam basketballs from the ground and shoot them into a hoop over 8' high. The team built Elset with the idea of keeping the number of actuated parts to a minimum because each actuator is heavy, and increases the chances of robot failure. Donning a sleek blue and silver color scheme, Elset can achieve all the parts of the 2012 game while remaining very connected to the imagery of the team and staying simple. Elset even sports a red plume like our drive team.



Our 2012 robot making shots at the Livonia competition



Our 2012 robot at the Kettering competition

# TEAM HISTORY

In late 2009, the Eagle Imperium was founded at Skyline High School in Ann Arbor, Michigan by physics teacher David Coupland. The team was comprised of only freshmen and sophomores, as the school was only two years old. The mascot of Skyline High School is an eagle, so that's where the eagle part of our name comes from. We chose to add a Roman element, and as such, we chose the name "Eagle Imperium." An imperium, as we defined on our 2012 t-shirts, is a sphere of influence or dominion — an empire. The Romans, well known for their incredible empire that stretched across Europe, were legendary engineers. Thus, our Roman theme is actually quite fitting for a robotics team. Furthermore, the Romans were fascinated by eagles, as they adorned their legionnaire standards with them. Currently, we are comprised of first through third year members through all four grades of high school.

Find out more at [EAGLEIMPERIUM.ORG/TEAM/HISTORY](http://EAGLEIMPERIUM.ORG/TEAM/HISTORY)

# AWARDS

## 2010

### ANN ARBOR COMPETITION

- Rookie All-Star Award
- Highest Rookie Seed

### TROY COMPETITION

- Rookie All-Star Award

## 2011

### ANN ARBOR COMPETITION

- Imagery Award

## 2012

### KETTERING COMPETITION

- Regional Finalists
- Industrial Design Award
- Website Award

### LIVONIA COMPETITION

- Regional Champions
- Imagery Award
- Website Award



# THE FIRST FAMILY

# Jr.FLL

**Junior FIRST® LEGO® League**

*Jr. FIRST Lego League*, where elementary school students grades K-3 use LEGO Mindstorms to build motorized models and make coordinating posters to record their journey.

# FLL

**FIRST® LEGO® League**

*FIRST Lego League*, where elementary and middle school students grades 4-8 use LEGO Mindstorms to build robots and develop their own research projects, creating innovative solutions for challenges faced by scientists today.

# FTC

**FIRST® Tech Challenge**

*FIRST Tech Challenge*, where teams of up to 10 middle school and high school students design, build, and program robots to battle in an alliance format against other teams using sports models.