



LOS OSOS ROBOTICS CLUB

ICEBREAKER - PAPER TOWER

Materials

- 2 sheets of paper
- Scissors
- 1 strip of tape
- Groups of 4

Goal

Build the tallest freestanding structure by the end of 5 minutes. (NO TAPING TO THE TABLE!!!)

Prize

The team with the tallest "tower" will get candy!



WHAT IS FIRST?

For
Inspiration
and
Recognition
of
Science
and
Technology



**FIRST is an organization
promoting STEM
awareness
internationally**

WHAT IS FTC?

- Each FTC Team consists of around 15 members
- Compete in a themed game every year
- Competition levels: League, State, and International



25-26 GAME OVERVIEW

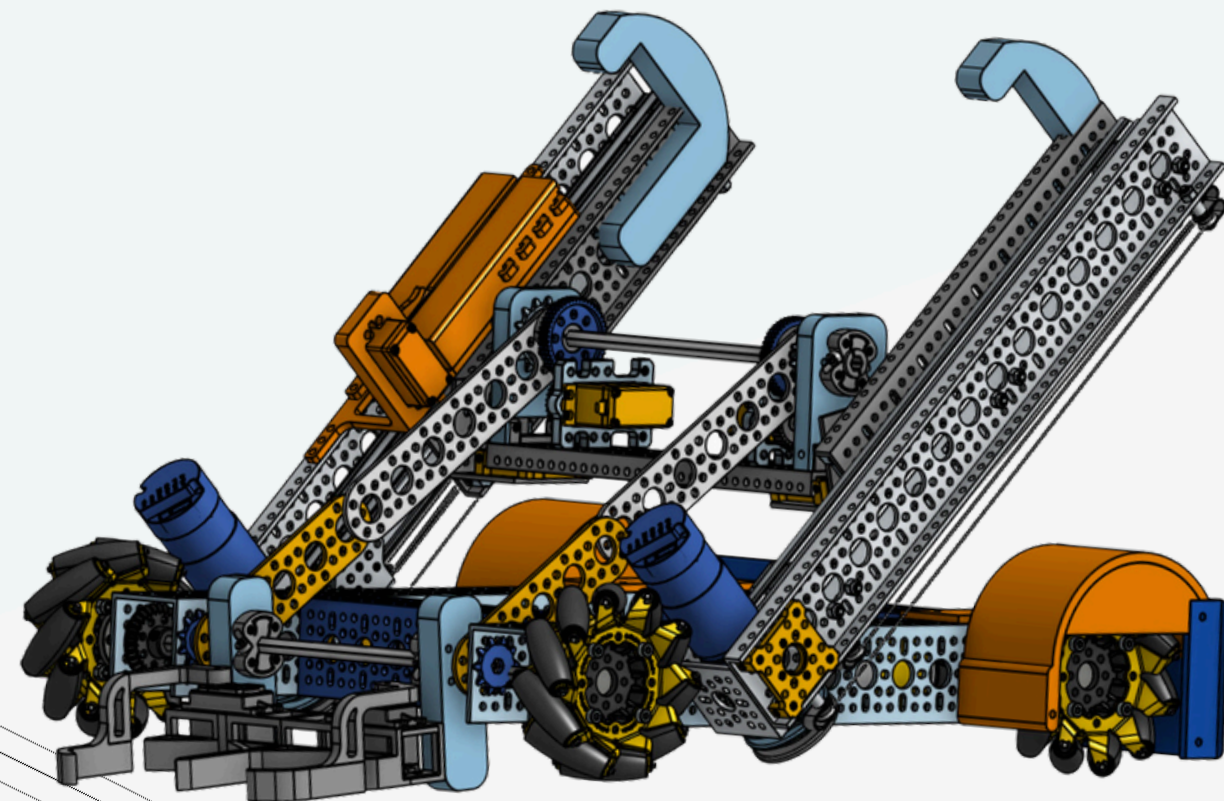
2025-2026 DECODE presented by RTX Game Animation
FIRST Tech Challenge



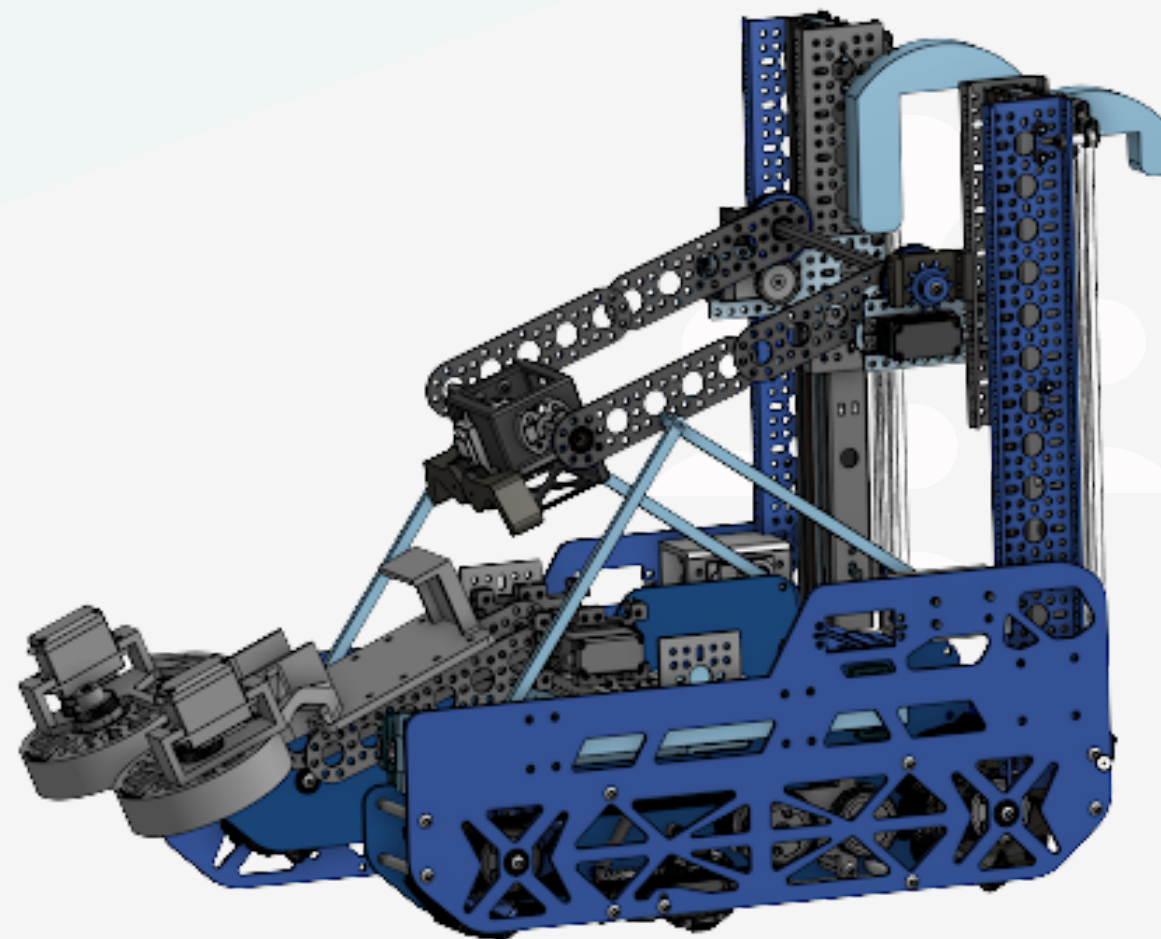
Watch on  YouTube

OUR ROBOTS

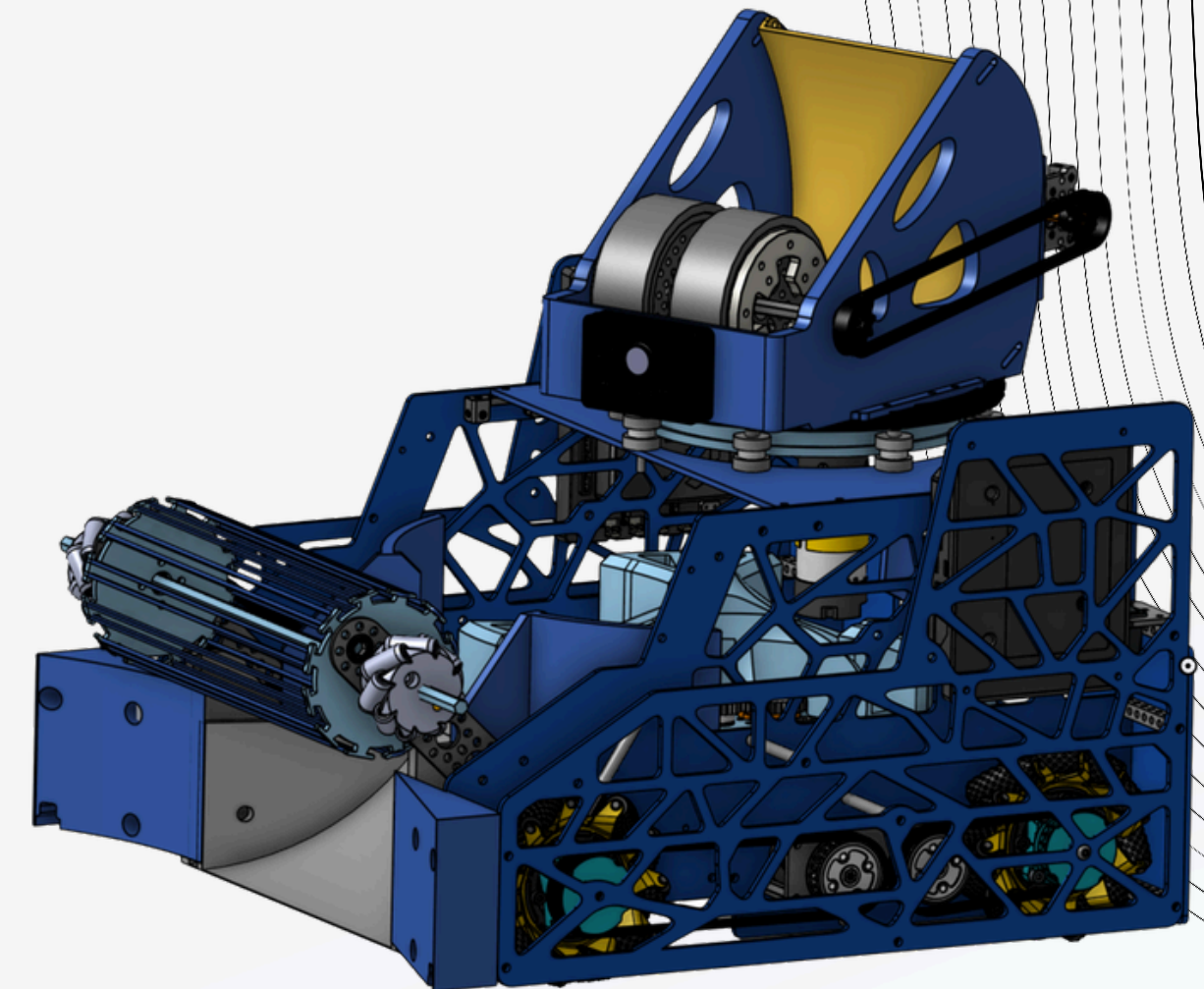
2023-2024 Season

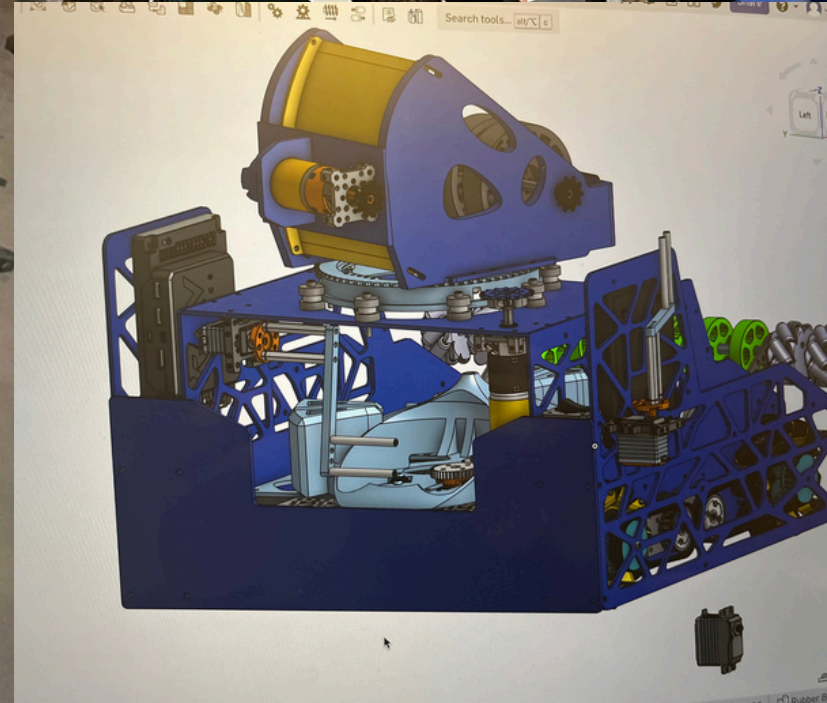
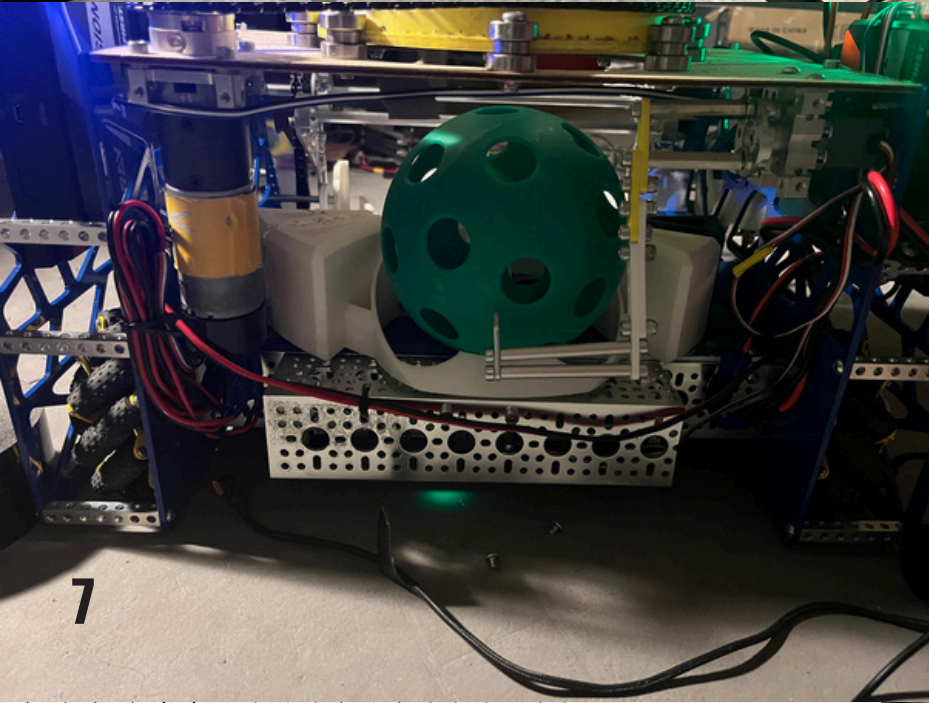
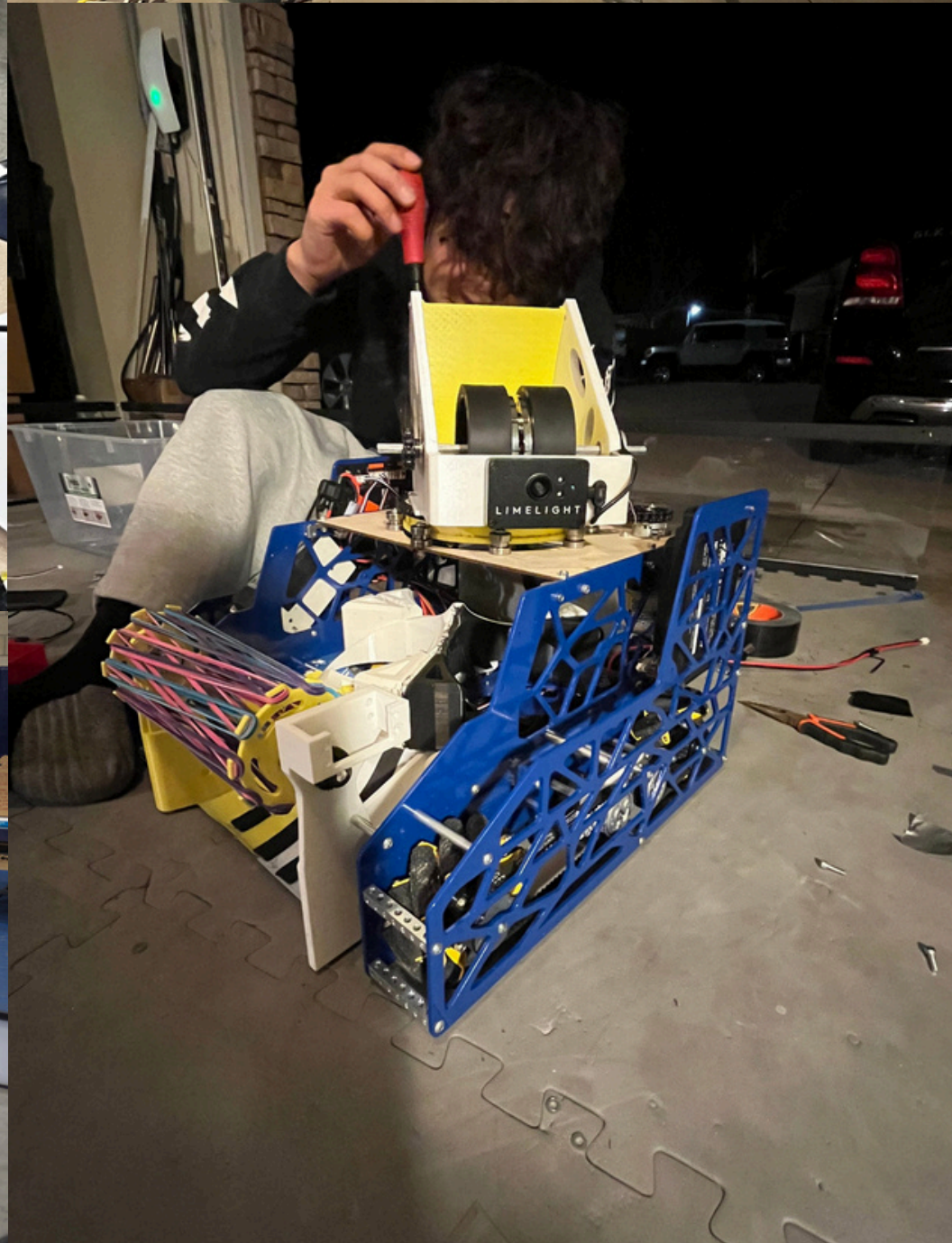
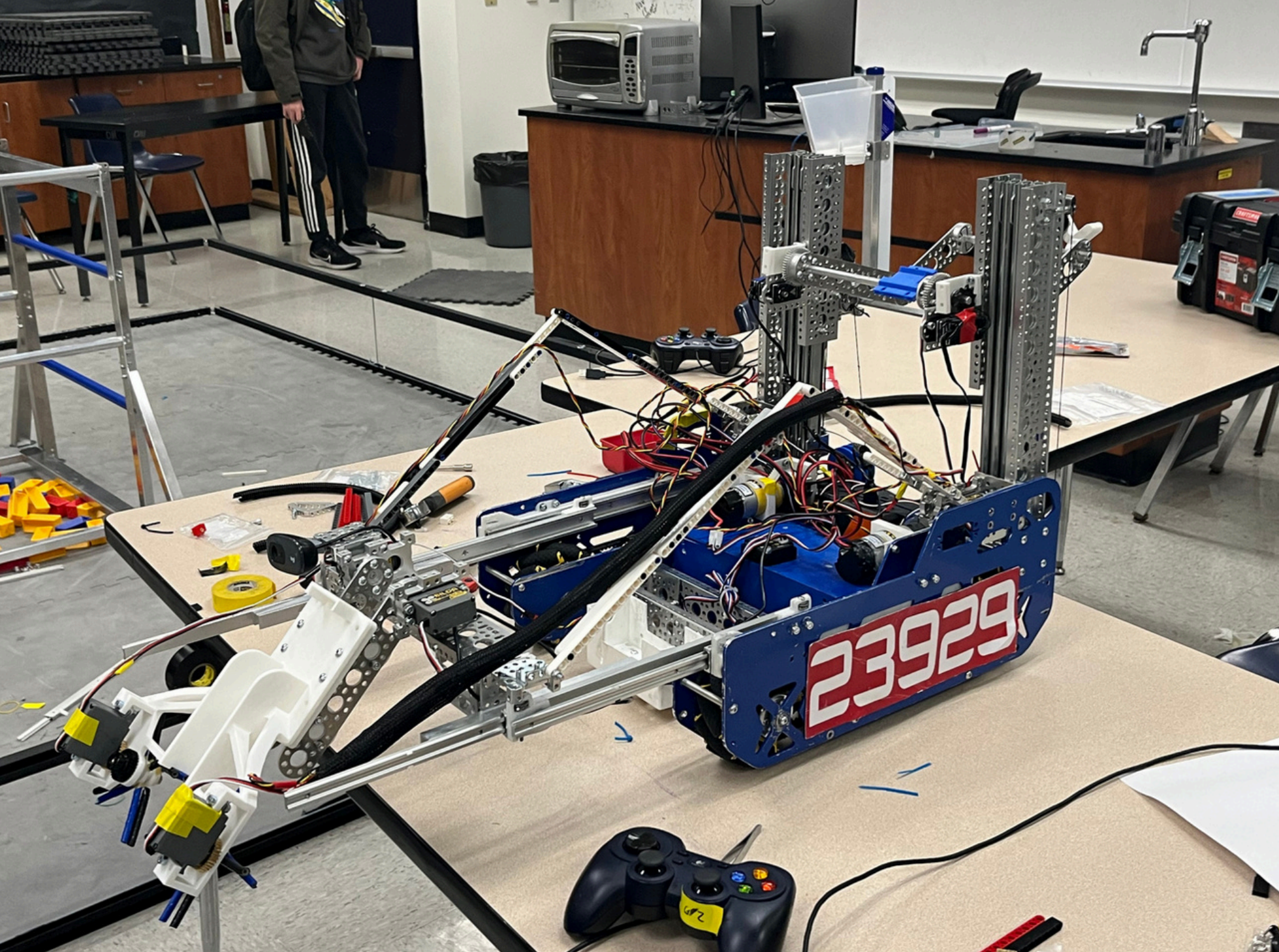


2024-2025 Season



2025-2026 Season





MEET THE TEAMS - GRIZZLY TECH 23929



- 2023-2024 (Rookie Season)
 - ILT: 1st Place Promote Award, 2nd Place Think Award, 3rd Place Connect Award
- 2024-2025
 - ILT: 3rd Place Inspire Award, SoCal Regionals Qualifier
 - State: 1st Place Judge's Choice Award
- 2025-2026
 - ILT: 2nd Place Inspire Award, Dean's List Award Semi-Finalist
 - Wildcard: 1st Place Sustain Award

MEET THE TEAMS - ICONIC 21868



- **Started 2022-2023 Season**
- **Qualified for Socal Championship 2023-2024 Season**
- **2nd Place Think Award (x2)**

OUR MISSION

- Empower team members to build, learn, and grow in robotics
- Build a friendly, cooperative, and helpful team environment



SKILLS WE LEARN

- Mechanical design
- CAD 3D modeling
- Software programming
- Computer Vision/AI
- Marketing
- Accounting
- Project management
- Leadership
- Team work



GOALS

RAISE AWARENESS

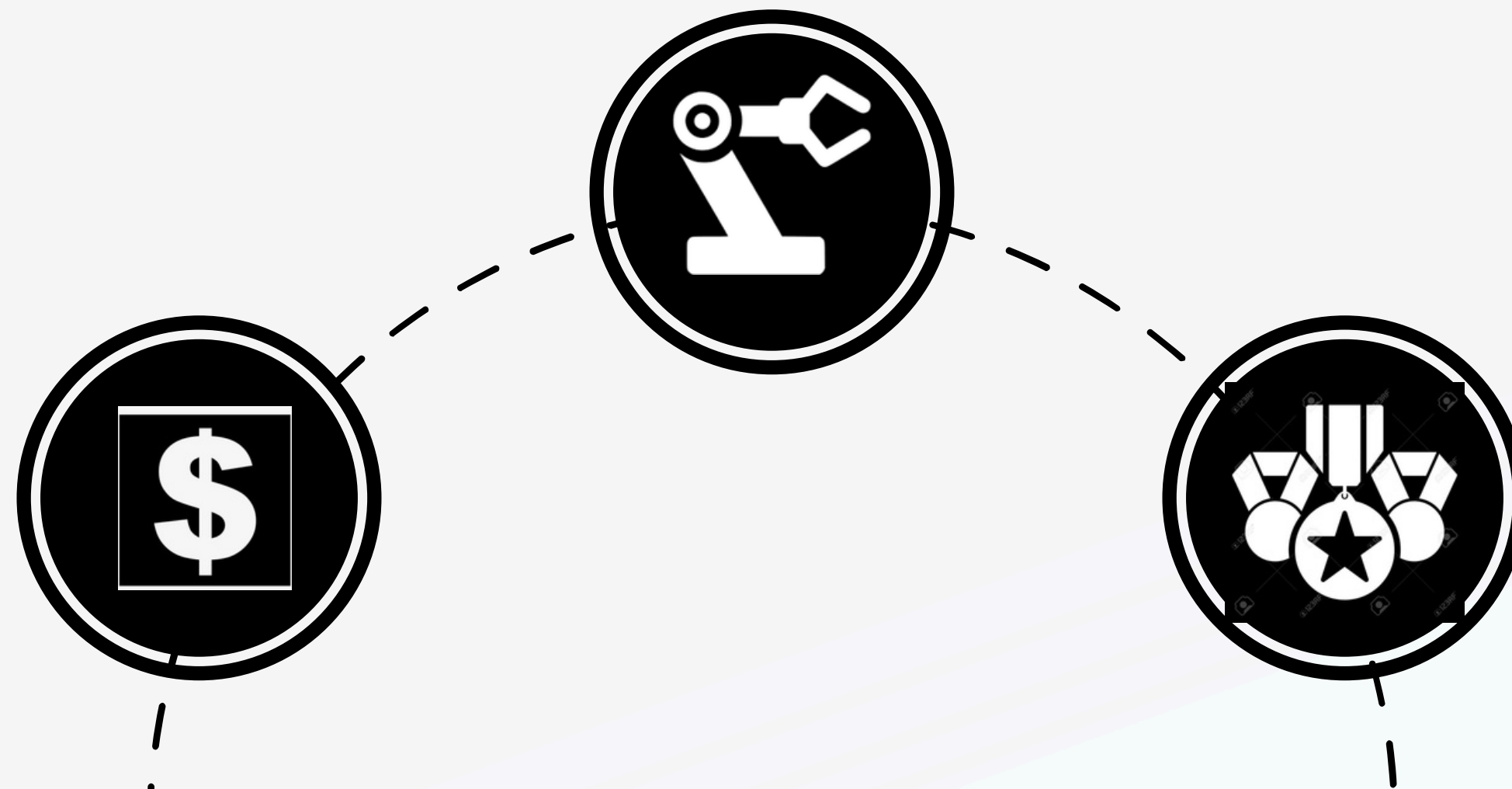
Host and take place
of various STEM
events within the
school

DESIGN A ROBOT

We will design, program, and
build a robot to compete

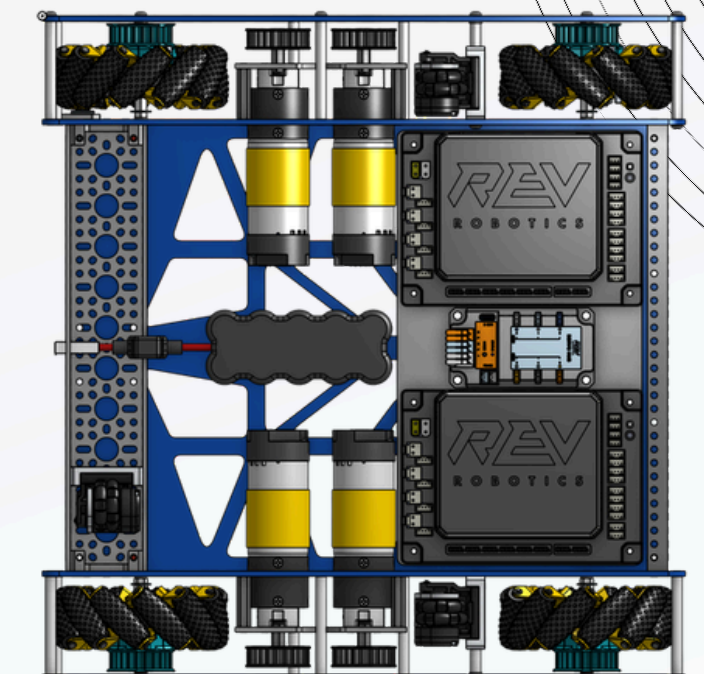
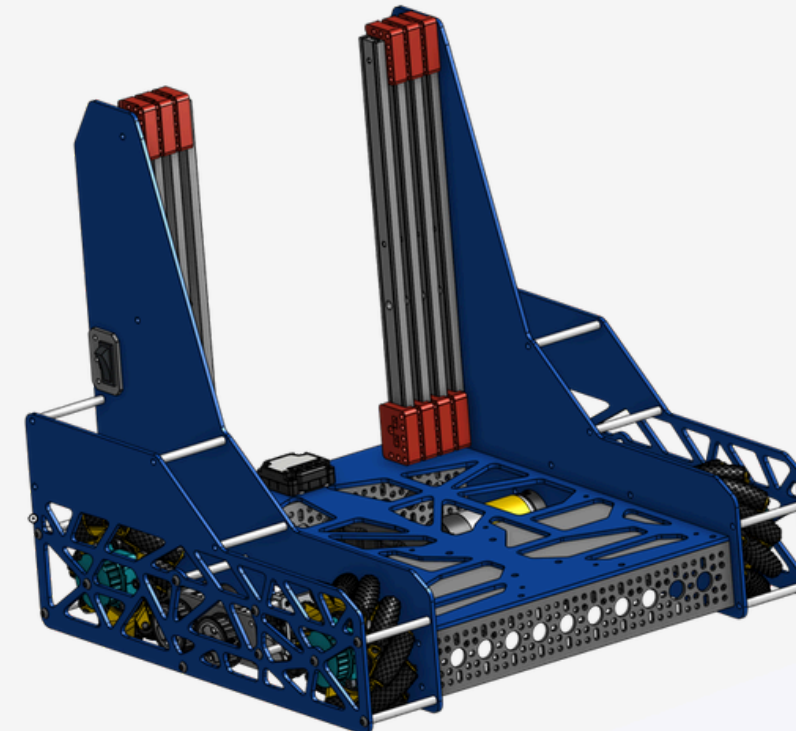
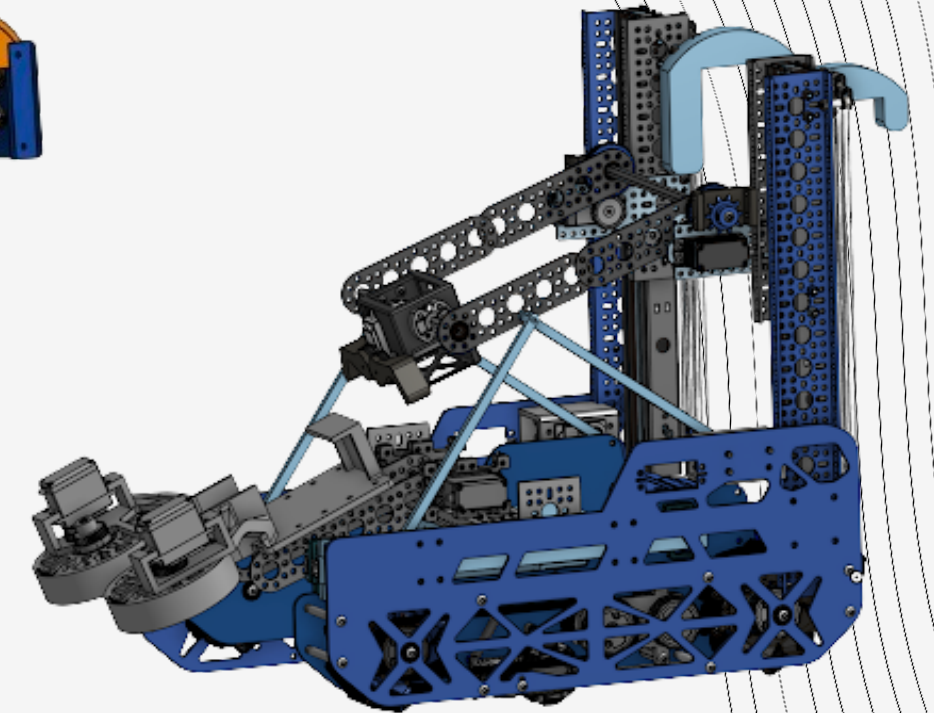
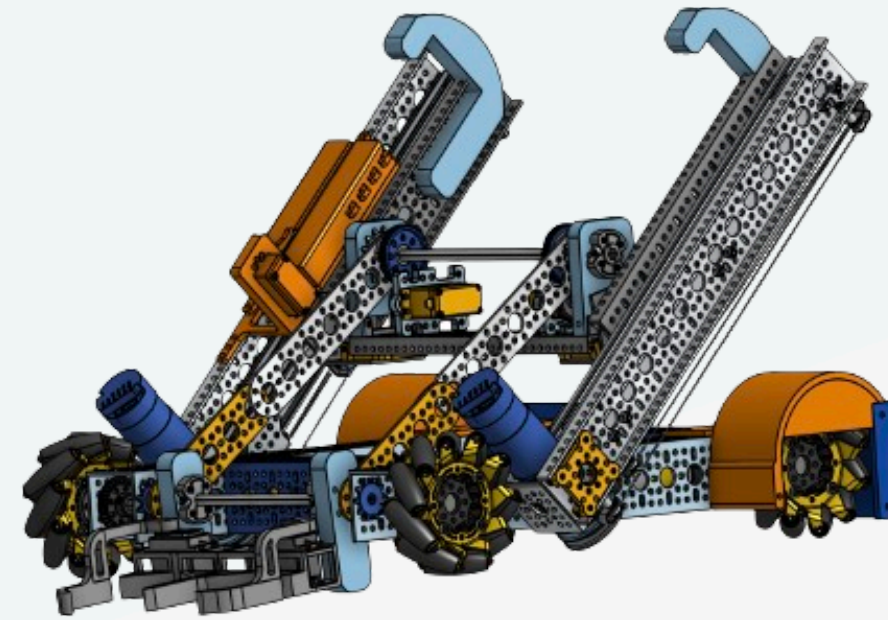
COMPETE

We will compete
against other FTC
teams and strive to
win



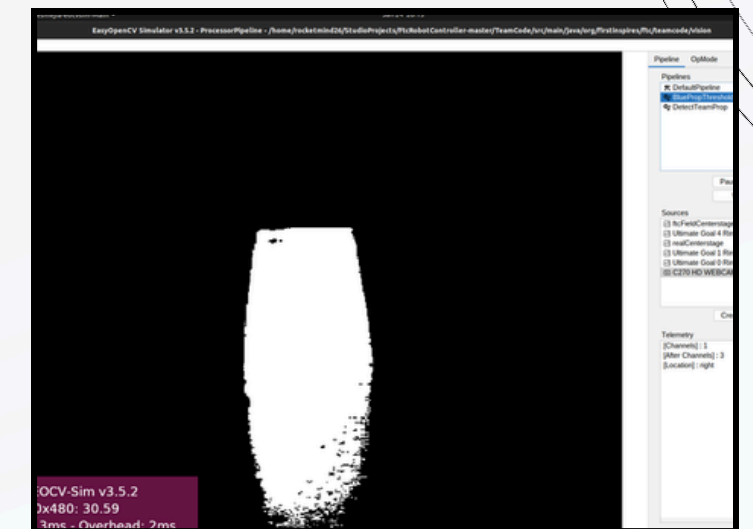
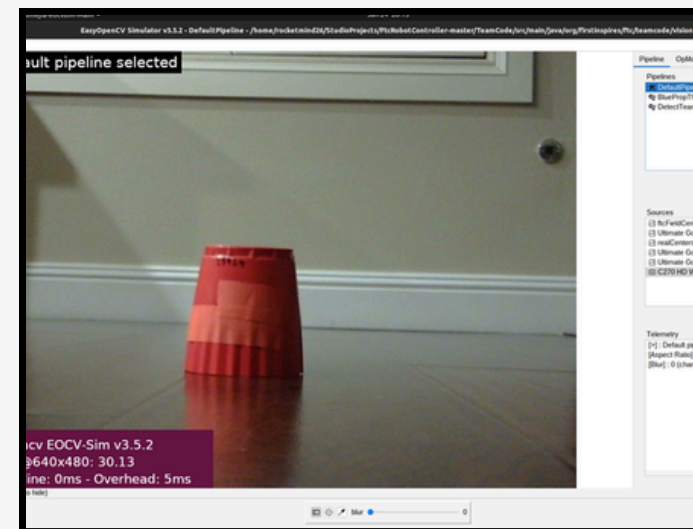
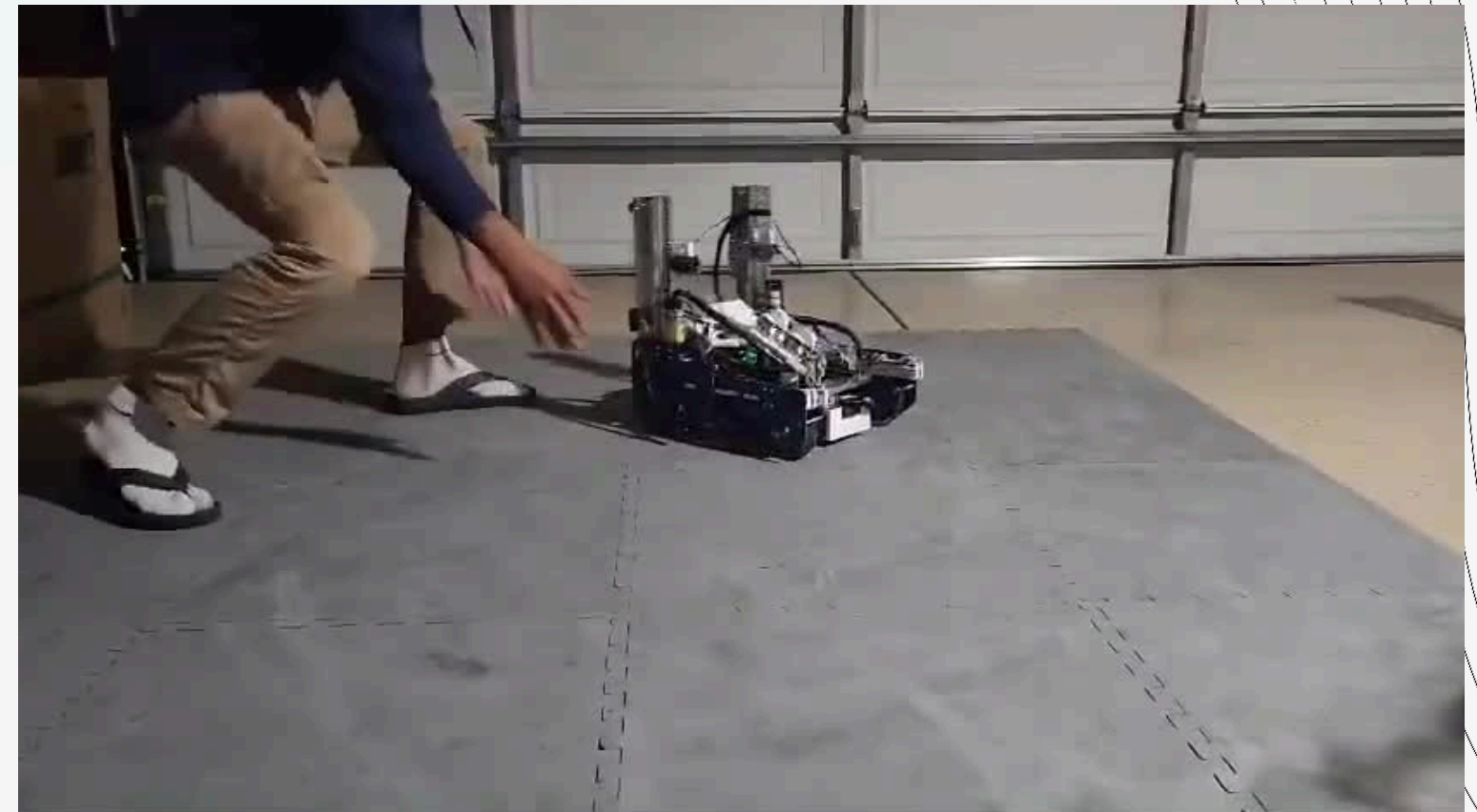
MECHANICAL DESIGN

- The mechanical design team will be utilizing Onshape, a 3D Modeling tool to design
 - We will follow the Engineering Design Process and build a functional robot
- Robot must perform specific tasks with proficiency and withstand rigors
 - Speed + Consistency



PROGRAMMING

- Team Members will be in charge of programming the robot's electronics and controls
- To program the robot, the group will use Java and Android Studio.
- Responsible for the robot's autonomous feature



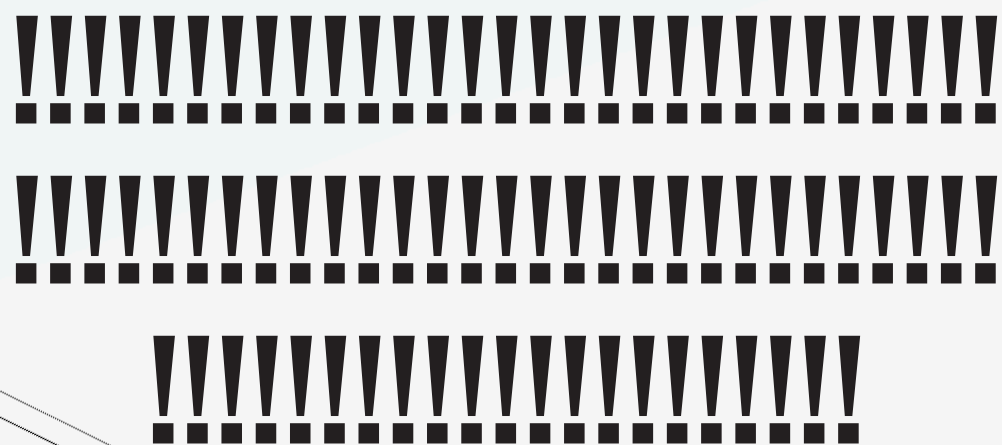
OUTREACH

- Outreach will consist of a:
 - Marketing team
 - Sponsorship team
 - Event planning team
- Spreading STEM awareness to local community and school district



RECRUITMENT

COOKIE TIME

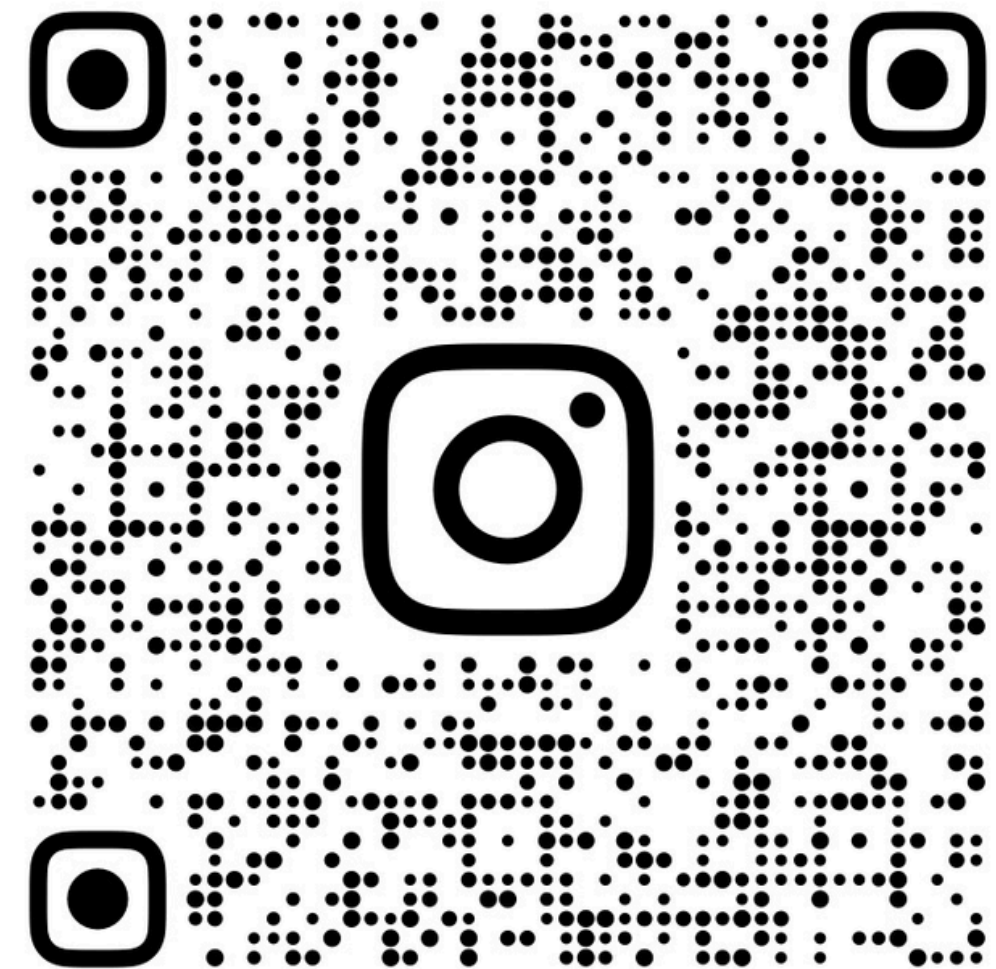


**Interest
Form**

CONTACT US!



LINK TREE



@LOHS.ROBOTICS.TEAM

INSTAGRAM



THANK YOU!

Next meeting (Tuesday, 9/1/26):
Mechanical Design: Basic CAD tutorial
Programming: Coding tutorial
Outreach: Event Planning

