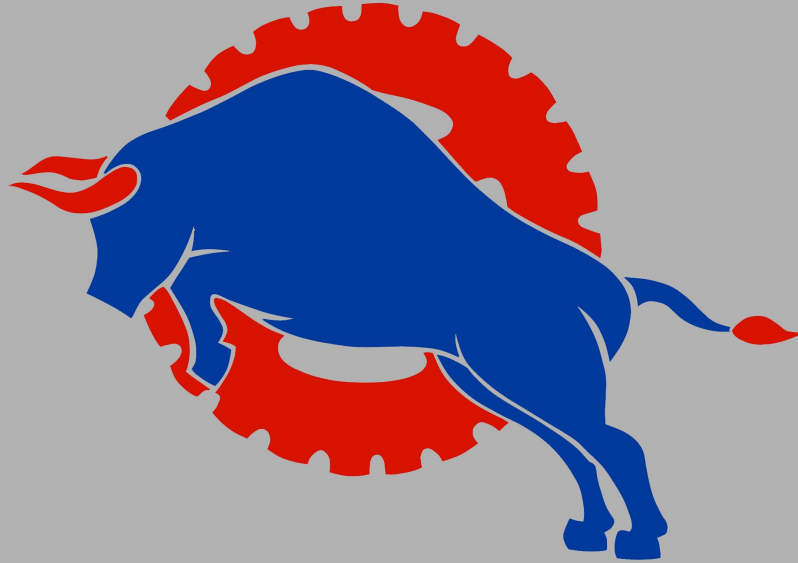


# Team 810 - The Mechanical Bulls



**SCOPE Robotics Camp**

# The Idea: Robotics Summer Camp

- FLL begins meeting in late September - early October
- Demonstrate what FLL season looks like
- Gain knowledge before season starts
- Teach basic engineering skills



**FIRST**  
**LEGO**  
**LEAGUE**

## Obstacles:

- Advertising
- Volunteers
- Location
- Funds

# Solution: Collaboration with SCOPE

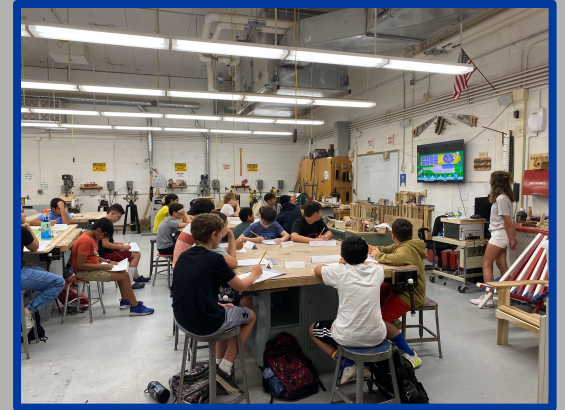
## Benefits:

- Well-known non-profit Education Service
- Provides summer enrichment courses
- Guaranteed clients
- Trusted by the district



# The Camp

- Location: High School
- Incoming 6th, 7th, and 8th graders
- 2 weeks ; Mon-Fri
  - 1.5 hours of engineering lessons
  - 1.5 hours of FLL robots
- District FLL mentors hired by SCOPE
- 810 volunteers (over 18 are also hired by SCOPE)



# Lessons

- Design Drawings
- Simple Mechanisms
- Algorithmic Thinking /  
Scratch Coding
- TinkerCAD
- Circuits



# Developing Lessons

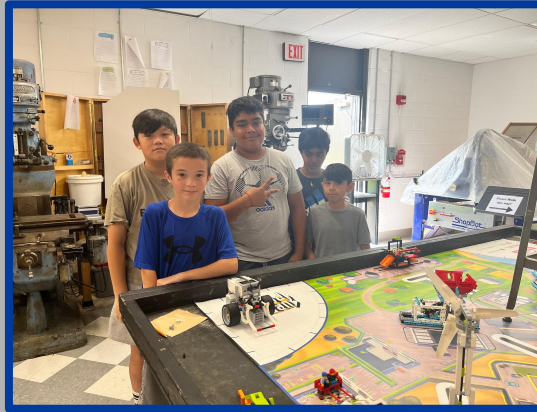
- Basic Physics
- Logic Statements





# FLL Competition

- Last year's game
- Requirements
  - Finalized design drawing
  - Team names
  - At least 3 missions
- Live Streamed competition to parents



Name: \_\_\_\_\_  
 SCOPE Smithtown Robotics Camp

Date: \_\_\_\_\_  
 Superpowered Competition

As you watch the video fill in the blanks! :)

SUPERPOWERED FLL Challenge Robot Game Missions Video

There are \_\_\_\_\_ missions total.

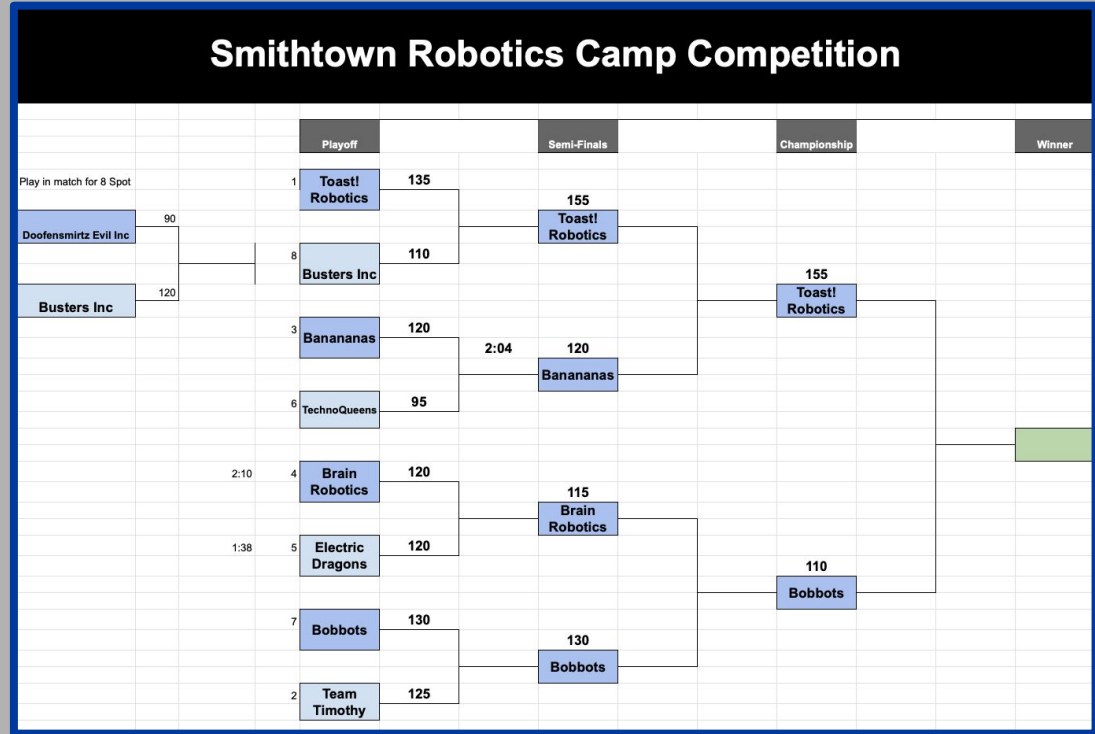
There are \_\_\_\_\_ launch areas and \_\_\_\_\_ home areas.

Your robot must start completely inside your \_\_\_\_\_ area.

You can handle and modify the robot while it is in the \_\_\_\_\_ area.

The robot and all the equipment has a height limit of \_\_\_\_\_ inches.

	Mission Name	Notes	Points
1			
2			
3			
4			
5			
6			



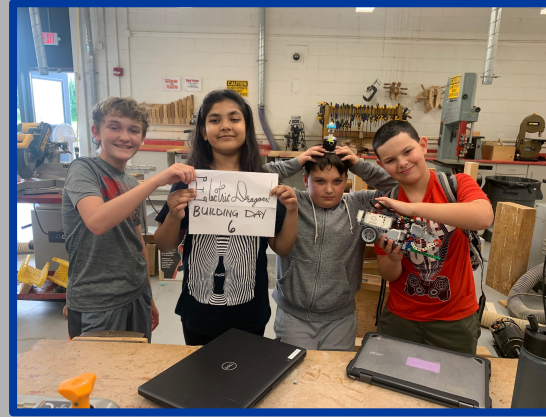
Competition Bracket

Research Sheet



# Future

- Create two curriculums
  - Legos
  - Vex kits
- Expanding the age group
- Change Location





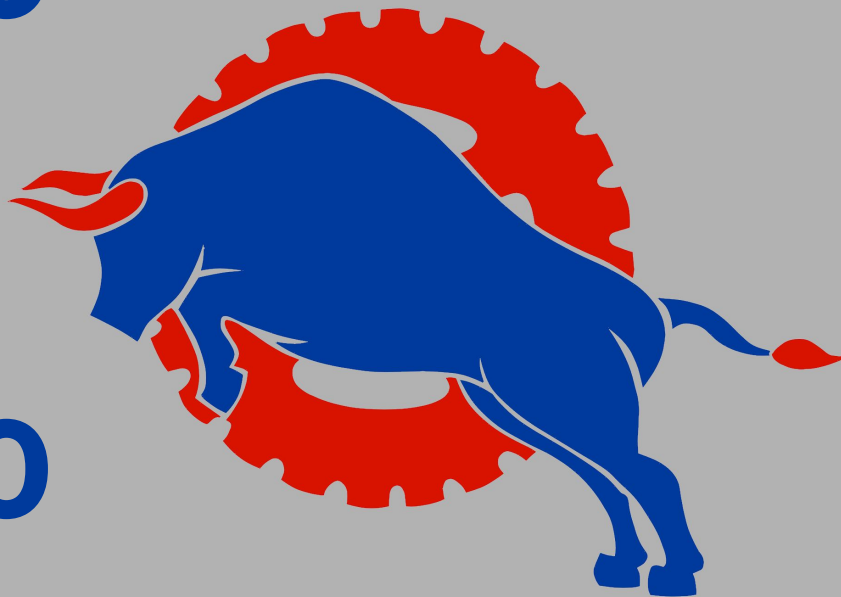
**@Team\_810**



**@Team810**



**@Team\_810**



**[www.SmithtownRobotics.com](http://www.SmithtownRobotics.com)**