

Sumo Robot Team-Building Activity

Overview

Robots are disrupting every industry from agriculture to manufacturing and service. They're even changing entertainment with shows like "Battle Bots."

Your organization will experience a fun and exciting introduction to robotics—plus valuable team-building skills—with our LEGO sumo robotics activity. You'll divide into teams to design, build, program, and battle your robot in a friendly competition where the goal is for each robot to move like a self-driving car as it tries to push its competitor out of a ring.



No engineering or programming skills are required. Using LEGO parts and drag-and-drop Mindstorms programming—plus vital communication and collaboration skills—your team will be amazed at how quickly they are ready to rumble.

This activity is facilitated by the digital natives who will be leading the robotics revolution of the future—middle and high school students who have won awards for their robot design and teamwork skills.

Agenda

- Introduction to the activity
- Divide into teams
- Quick team challenge and discussion
- Build your sumo robot
- Program your sumo robot
- Sumo competition
- Wrap up

Tailoring

This activity draws from the core values of FIRST, which map easily to most organizations'. We will work with you in advance to align the activity to your organization's mission, vision, and values.

More Information

Visit www.SumoBrickBots.com, like SumoBrickBots on Facebook, subscribe to our YouTube channel, or email SumoBrickBots@gmail.com.

Quick Facts

Group Size

Ideal for groups of 16 to 30 people that can be split into teams of 4 to 5.

Program Length

2 hours.

Space Requirement

Large conference room or small boardroom with enough room for groups of 4 to 5 people to work independently.

Program Elements

- Rapid Skill Acquisition
- Friendly Competition
- Interpersonal Communication
- Fun and Engaging Interaction