



ROBOTICS CHALLENGE

Challenge Description

“Walker”

Design a robot that uses two or four legs for locomotion.

Specifications

- Robot must walk forward without falling over for 30 seconds.
- Legs must be independent.
- Robots must be made with LEGO Mindstorms Robotics Invention System and be programmed with Robolab programming environments.
- Robots can consist of a maximum 1 RCX, 8 Wires, and 3 motors.
- Nothing can be added or removed from the robot during a round.
- No non-lego parts are allowed
- Challenge is maximum **30 seconds** long (Note that this is shorter than the usual challenge)
- Challenge starts at the designated start area.

Adaptations

- Design your own walker without following someone else's design.
- Design a walker that turns 90 degrees.

Scoring

50 point challenge

10 points for each adaptation.

Robots which fall over or sustain damage are disqualified.

Robots may not be picked up or corrected for this event.