

Robo Derby

Robo Race

EVENT DESCRIPTION

Test your robotic speed and agility by racing through an obstacle-filled track. Build a bot, overcome challenges, and finish as quickly as possible!

Rules and Regulations

- Timeliness: Late arrivals may face elimination but can rejoin with a penalty.
- Team Composition: Teams of up to 4 members, one designated as the robot handler.
- Game Zone Protocol: Only the handler is allowed inside; others must remain outside.
- Fair Play: Intentional interference or misconduct leads to disqualification.
- Final Decisions: Judges' rulings on scoring, gameplay, and timing are final.

Robot Specifications

- Size Limit: 300mm x 300mm x 250mm
- Weight: $\leq 5\text{kg}$
- Power: Electric only (max 3S LiPo battery; no IC engines)
- Control: Wired/wireless
- No LEGO or ready-made kits allowed

Gameplay and Scoring

Single Round: Obstacle Course Time Trial

- Robots must complete the course in the shortest time.
- One obstacle can be skipped, but it incurs a 20-second penalty.
- If a bot fails an obstacle, it must restart from the last checkpoint.
- Top 3 fastest robots will win.

COORDINATORS

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