

Electric Car Stop 2026

Teams will design, build and bring to the competition, a car to be powered by two AA batteries.

The goal is to stop the car at the finish line 2 m away from the start line. More specifically:

- Start and finish lines will be masking tape placed on the floor
- The entire car must start behind the start line
- The finish line is the rear edge of the tape (that's the edge closer to the start line, not the far edge, not the middle).
- The rear-most part of the car is to align with the finish line.
- This is not a timed event but there is a 120 s time limit per attempt
- Two attempts are allowed. The better result will be used.

Scoring:

- The distance between the rear edge of the tape and the rear “edge” of the car will be measured by the event volunteers.
- The absolute value of this distance will be used. i.e. too far and too short will score the same (Values exceeding 1.0 m will be recorded as 1.000 m.)
- Each entry will be ranked (1st place, 2nd place, etc.) according to this number.
- If a tiebreaker is required, the lower mass car will prevail.

Notes

- The cars must be built by the teams. Parts may be purchased or harvested from toys, etc. sources but ready-made cars do not qualify.
- The cars must operate using the batteries provided by race organizers, similar to these in the image.



- The provided batteries are to be the only power source for the entire car, not just for propulsion. e.g. if you build an electronic control unit, that great, but it too must be powered by the same batteries. No additional batteries, no solar cells, etc.
- The cars must be cars: i.e. wheeled vehicles.
- The cars must be self-contained and finish intact. No pieces falling off, no external controllers, no objects placed in front or behind.
- Cars not meeting the spirit of the rules will be disqualified. If in doubt, please ask in advance.
- The event course will be blocked off using classroom tables placed on their sides (illustration to follow in FAQ) and are available for examination during the first 10 minutes of your competition block.
- Please be prepared for a public interview at the event to describe your team, your car, etc.