

JUDGING GUIDE: QUALIFICATIONS

Qualification Checklist: Middle School

Before racing at the main event, cars must pass inspection.

Sizing

- 38 cm or less in length
- 30 cm or less in width
- 30 cm or less in height

Circuitry

- Circuits have solar panel and battery packs wired on separate parallel branches (see spec sheet).
- No additional power sources aside from 2AA battery pack and 2.76V Pitsco Ray Catcher solar module.
- Switch integrated into circuit (see spec sheet) either in series with battery or in series with motor. (**not in series with panel**)
- One LED in circuit.

Materials

- Motors from original team kit used (Pitsco Motor 280)
- Solar panel is not used as a chassis.
- Outside (found or created) materials are less than \$10 in value. This will need to be determined through questioning and volunteer discretion.

Additional

- No damage done to solar panel rendering it unable to be reused
- Visible 5cm square for registration sticker.

Team Number: _____

Team Name: _____

School: _____

Qualification Judge: _____