

JUDGING GUIDE: QUALIFICATIONS

Qualification Checklist: High School

Before racing in intramurals and 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 2 x AA battery pack and 2.76V Pitsco Ray Catcher solar module.
- Switch integrated into circuit (see spec sheet) either in series with batteries or in series with motor.
Not in series with panel.
- Resistor **in series with batteries (see spec sheet) (HIGH SCHOOL ONLY).**
- Working LED included in circuit **(HIGH SCHOOL ONLY).**

MATERIALS

- Motors from original team kit used (5V DC motor).
- Solar panel is not used as 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 5 cm square for registration sticker.