



SCOUTING PURDUE

Eagle Scouts and Scouting Alumni

Pinewood Derby Division Descriptions and Race Rules

Division Descriptions

Classic

- Follows the classic Scouting America Pinewood Derby race rules; meant to mimic the classic Pinewood Derby event
- Individual participation; 1 person registered per car
- Must be a registered student (undergraduate or graduate) or staff at Purdue

Advanced

- Scouting America Pinewood Derby restrictions do not apply; students are encouraged to creatively engineer their car to win
- Individual or team participation; 1 or more people registered per car
- An individual may only be a part of 1 team
- Must be a registered student (undergraduate or graduate) or staff at Purdue

Race Rules

Classic Division Rules (<https://www.scoutshop.org/pwd-rules>)

- Width shall not exceed 2- $\frac{3}{4}$ inches
- Length shall not exceed 7 inches
- Weight shall not exceed 5 ounces
- Axles, wheels, and body shall be from the materials provided in the kit. Additional wheels can be purchased separately.
- Wheel bearings, washers, and bushings are prohibited
- No lubricating oil may be used. Axles may be lubricated with powdered graphite or silicone.
- The car shall not ride on any kind of spring
- The car must be free-wheeling, with no starting devices
- No loose materials of any kind are allowed in the car
- Car must fit behind start



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Advanced Division Rules

- Wheels shall not exceed 2- $\frac{3}{4}$ inches
- Body width shall not exceed 3.5 inches
- Length shall not exceed 8 inches from front of car to back of rear wheel
- Weight shall not exceed 32 ounces
- Distance between wheels shall be 1- $\frac{5}{8}$ in
- Minimum ground clearance of 1- $\frac{7}{16}$ in
- Car must stay in one piece
- No pyrotechnics
- No explosives
- No blades
- Car cannot damage track
- Car cannot leave residue on track
- Car cannot affect other racers
- Propellants must have a built in release system

General Rules

- Must be PG-13; no explicit content
- Must follow purdue's rules on freedom of expression
 - <https://www.purdue.edu/home/limits-of-free-speech/>