

Cub Scout Pack 528 - Pinewood Derby

## “Outlaws” Class Rules

**Please note:**

**The Outlaw class has separate, less restrictive rules from the Cub Scout race.**

- I. Who can participate: The Outlaws Class will be open to *parents, alumni, friends and relatives* of any Pack 528 Cub Scout or anyone associated with the Pack through UHUMC or otherwise.
- II. Fees: An entry fee of \$5.00, plus \$4.00 per Pinewood Derby kit will be assessed for each entry into the Outlaws class.
- III. Rules:
  - a. The body of the car must be predominantly made from the block of wood provided in an official B.S.A. PD Kit (Cat. No. P1622).
  - b. The total weight of the car may not exceed 5 ounces. The maximum width of the car, including wheels, may not exceed 2.75 inches. No part of the car shall extend beyond the starting point at the beginning
  - c. No projectiles are allowed, and no part of the car may intentionally detach from the car during the race or come into contact with any other car.
  - d. No engines or motors allowed.
  - e. Dry lubricants only.

Other than these rules, anything goes. Think outside the box. Use exotic materials, wheels, axles, bearings, or advanced engineering. Put rolling weights inside the body or elsewhere to shift the center of gravity or reduce friction. Use a tiny computer to steer the car and keep it centered in the track to reduce friction. Think of ways to make the axle bearing surfaces more efficient. Springs can be used for suspension purposes only, but not to aid in driving the wheels or producing thrust in any manner.