

Pinecar Derby



1. Name the four basic components of a **Pinecar** Derby car.
2. Cars must meet the basic following requirements:
 - a. Must be made during the current calendar year or Pathfinder club year.
 - b. Width of car shall not exceed 2 3/4" or 70 mm
 - c. Length of car shall not exceed 7" or 178 mm
 - d. Weight of car shall not exceed 5 oz. (142 grams)
 - e. Width between wheels shall be 1 3/4" or 44 mm
 - f. Height from bottom of car to bottom of tires shall be 3/8" minimum or 10 mm
 - g. Use only axles, wheels, and wood provided in the kit you purchase.
 - h. Wheel bearings, washers, and bushings are prohibited.
3. Know how to use safely the following while building your project:
 - a. Saw
 - b. Wood rasp
 - c. Coarse sandpaper
 - d. Fine sandpaper
 - e. Wood plane
 - f. Hammer
 - g. Shaping stick
4. Know the basic steps in designing a car:
 - a. Design
 - b. Transfer of design
 - c. Building the car
 - d. Axles and wheels
 - e. Adding weight
 - f. Lubrication
5. Design and build to completion a **pinecar** from a basic kit using the instructions in the kit or if no instructions, follow the directions in #2.
6. Participate in a sponsored **Pinecar** Derby event using the car you built in #5.

Note: If you are planning to participate in a conference Pinewood Derby event, be sure you use the correct specifications from your conference because some use different specifications than listed above.

Where to Order:

S & W Crafts Manufacturing
PO box 5501
Pasadena, CA 91117

or

Pine Car
PO Box 98
Linn Creek, MO 65052

Note: Pinewood Derby cars are usually available through the Boy Scout organization.

www.pinewoodderbycars.com

Skill Level 1

Original Honor 1999

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