

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

Date completed _____

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

Date completed _____

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.

Date completed _____

6. Participate in a sponsored **Pinecar** Derby event using the car you built in #5.

Date completed _____

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
www.pinewoodderbycars.com

or

Pine Car
www.pinewoodderbycars.com

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

Skill Level 1

Original Honor 1999
Update 2025