



Race Time

Cub Scouts · Elective · Webelos rank

Name

Started

Completed

Race Time is about building and racing your own Pinewood Derby car or Raingutter Regatta boat. You'll learn a little science, follow the rules, and practice good sportsmanship. Win or lose, the fun is in building and cheering.

Requirements

Every official requirement, in plain language. Check the official wording when you sign off (scouting.org/cub-scout-adventures/race-time-webelos/). Tips and examples are ideas, not extra requirements.

- ☐ **1** With an adult, build a Pinewood Derby car or a Raingutter Regatta boat

Tip: Sketch a design first, then build it with an adult who helps with any tools.

Example: For a derby car, draw your shape on the block, have your adult help cut it out, then sand, paint, and add weight. For a regatta boat, shape the hull, add the mast and sail, and test it in a tub.

- ☐ **2** Learn the race rules for the vehicle you chose in requirement 1

Tip: Read your pack's race rules for weight, size, and parts before you start building.

- ☐ **3** Explore friction and how it affects your vehicle

Tip: Try rolling or sailing your vehicle with and without smoothing the wheels or hull. Notice what changes.

Example: Roll your car down a ramp twice: once with rough wheels, once after polishing the axles. Time each run. For a boat, sand the bottom smooth and see if it moves faster when you blow on the sail.

- ☐ **4** Before the race, talk with your den about how you'll show good sportsmanship during it

Tip: Talk about how to cheer for others, shake hands, and be a good winner or loser.

Example: Good sportsmanship can look like shaking hands after each heat, cheering for every car, and saying "good race" whether you win or lose. Talk with your den about what to do if you feel disappointed.

- ☐ **5** Take part in a Pinewood Derby or Raingutter Regatta race

Tip: Race your vehicle and have fun cheering on everyone else.