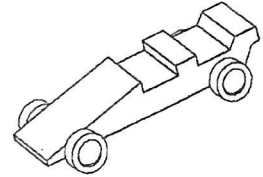


PINEWOOD DERBY RACE - RULES AND INSTRUCTIONS

Cub Scout Pack 102, Olmsted Falls, Ohio

Revised November 11, 2007 st

Please use the kit provided. You can purchase pre-cut pinewood racecars at craft/hobby stores, but these cars WILL NOT be allowed in the "MOST AWESOME" judging contest.



Examine your pinewood car package carefully. If something is missing or broken, please see your Den Leader or one of the Pack leaders as soon as possible.

DO NOT CHANGE THE WIDTH OF THE CAR AT THE AXLES!!! These cars race on a wood track using a raised center guide. If you narrow the wheelbase your car will not fit on the track and it will not be able to race. CARS MUST REMAIN 2.75 INCHES WIDE AND 7 INCHES LONG, NO MORE, NO LESS!

DO NOT ADD WEIGHT ON THE BOTTOM of your car unless you are sure that it does not protrude from the bottom. Again, the track has a raised center guide and you don't want the underside of your car to drag on the track surface.

You can paint and decorate your car anyway you want to. You can add pieces to the TOP of your car, but DO NOT ADD ANYTHING TO THE SIDES OF YOUR CAR at least not beyond the width of the wheels. We cannot allow one car to interfere with another. Use your imagination and LOTS OF GLUE to make tanks, boats, Lego man drivers, James Bond, Star Wars, etc.

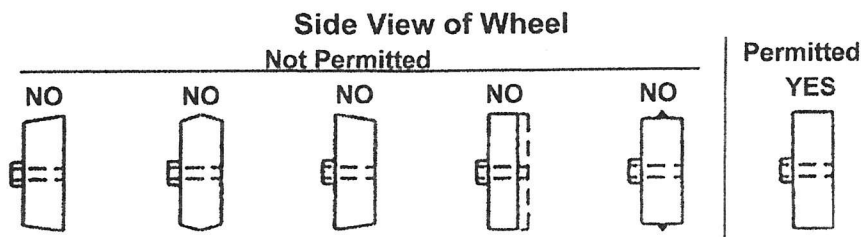
A CAR CANNOT EXCEED 5 OUNCES OR 141.75 GRAMS TOTAL WEIGHT! ! That is why we have a weigh-in the night before the race. The block of wood, with wheels and nails weigh about 2 ounces each. Some scouts add weight by drilling holes into the car and filling with lead or use glue to attach money, fishing weights, etc. You can also purchase pinewood car weights at the Scout Shop in Cleveland or at hobby shops. During the weigh-in you will be allowed to alter your car's weight if you are over the limit.

DO NOT ADD AXLES. Axles are not permitted and will cause disqualification. You must use nails but you can make sure that your wheels turn as smooth as possible over the nails.

DO NOT SLANT THE NAIL GROOVES. Make sure the nail grooves are not cut on an angle. They should be straight. You are permitted to re-cut nail grooves if needed.

LUBRICATE WITH GRAPHITE ONLY. Do not use any oil or a silicone based lubricant.

WHEELS. DO NOT SAND/FILE THE WHEELS TO A POINTED SURFACE!! The wheels are very important so you should gently sand the wheels to remove burrs/ridges and get an even surface. If your wheels are altered to provide an advantage you will be disqualified. You may NOT fill in the inside of your wheels. Wheels must sit flat on the track. Use the diagram below to be sure your wheels are legal.



FINAL NOTE:

PLEASE REMEMBER, THIS IS A CUB SCOUT AND ADULT PROJECT! This should mean that boys are the participants and adults are the advisors. Our scout motto is to "DO YOUR BEST" ... not be the best.. **Don't wait; Start now!** If you have any questions, ask one of our "pinewood veterans".