

The Marin Council

2013 CUB SCOUT PINEWOOD DERBY RULES

GENERAL INFORMATION

The purpose of the pinewood derby is to offer a cooperative project by which a Cub Scout and a parent, relative or friend participate together in the building of a car. The *spirit* of the event is to encourage Cubs to work with their families toward a goal, regardless of who wins. The real winner is the Scout and family member who worked together.

In this spirit, a fair and equitable set of rules for the council pinewood derby has been established. The requirements found in the official pinewood derby car kit are the rules for construction; however, care must be taken so that a pack-determined rule does not disqualify a car from the council race. Council rules are the standard.

One final note, remember that the pinewood derby is primarily for the Cub Scout, and he should have the satisfaction of building his own car from the materials in the kit. Guidance and minimal assistance should only be given.

RACE RULES

Each pack may enter five cars in the council derby (the winning Tiger, Wolf, Bear, 1st yr Webelos, 2nd yr Webelos cars).

If a car jumps off the track, the heat will be run again with the subject car in a different lane. If the same car jumps off the track again, it will be sent to the *pit crew* for inspection and adjustments as necessary. It will be allowed to run one more time. If it jumps off the track a third time, it will be disqualified.

If a car suffers a mechanical problem, loses a wheel, etc., and a repair can be made in a short amount of time, the car will be allowed to run again.

Winning cars are subject to inspection after the race.

Boys who built cars as 2nd year Webelos Scouts during the 2012-2013 year may race their cars even though they may have bridged into Boy Scouts by race time.

Absolutely no cars will be accepted after the race check-in days. *No exceptions.*

CONSTRUCTION SPECIFICATIONS

The following requirements are intended to supplement the instructions and specifications found in the official pinewood derby kit. In the event of any conflict the official kit provisions shall prevail.

Cars must have been made for this year's race. Width shall not exceed 2-3/4", length shall not exceed 7", weight shall not exceed 5 ounces (measured to nearest 1/10 of an ounce). Width between wheels must be at least 1-3/4". Clearance between the track and underside of car should be no less than 3/8".

Only official BSA wheels and axles must be used (colored or black). The size and shape of wheels may not be altered. No modification of the kit axle is allowed, except axles may be polished and burrs sanded. The axle slots on the wooden block must be used and cannot be moved or altered. No paint or clear coat is allowed on any area of kit wheels. No hub caps are allowed on wheels. Only dry lubricant (teflon, graphite) may be used on wheels. The car shall not ride on any type of spring and must be free-wheeling. Washers, bearings, and bushings are prohibited. Decorative details, paint, stickers, etc., may be used as long as they do not conflict with other rules.

The nose of the car must be at least 1/2 inch wide in order to rest on the starting peg.

Wheels may not protrude beyond the front or rear of the car. The running surface must remain flat and *all four wheels must be in contact with the track*.

Any type of weight can be used as long as it does not interfere with the clearance or the dimensions. Weights must be securely attached and stationary.

The following information must be clearly on the bottom of the car (we suggest a printed sticker):

Name

Pack #

Best contact number

Email

Marin Council

2013 CARROS DE MADERA DE PINO

INFORMACION GENERAL

El propósito de la carrera dervy es ofrecer un proyecto conjunto entre adulto y Cub Scout. El espíritu del evento es estimular a las familias a trabajar juntos en un objetivo común.

Las reglas en la construcción del carro se encuentran en el paquete oficial del pinewood dervy. Las reglas de cada pack no deben interferir, y que puedan descalificar a un carro de participar en la carrera del Consejo de Marin.

Recuerden de no sobre asistir al Cub Scout y permitirle tener la satisfacción de haber construido su propio carro.

REGLAS DE LA CARRERA

Cada pack podrá participar con cinco carros, uno de cada nivel (el ganador de Tigres, Lobos, Osos, Webelos 1er año y 2do año).

Si un carro se sale de la pista, será mandado a un carril diferente. Si nuevamente el mismo carro se sale, será mandado a inspección por los técnicos de los pits; será permitido correr una vez más. Si se sale de la pista por tercera vez, será descalificado.

Si un carro sufre algún problema mecánico, podrá ser reparado rápidamente y permitido correr de nuevo.

Carros ganadores serán inspeccionados después de la carrera. Niños que construyeron su carro en su segundo año de Webelos entre 2012 y 2013, pueden participar aunque hayan sido graduados a la tropa de Scouts.

ESPECIFICACIONES DE CONSTRUCCIÓN

Las especificaciones oficiales vienen en el paquete pinewood dervy. Ancho no debe exceder de 2-3/4 de pulgada, largo no debe exceder 7 pulgadas, peso no debe exceder 5 onzas. La separación entre las llantas deberá ser por lo menos de 1-3/4 de pulgada.

Solamente llantas y ejes oficiales deben ser usados sin alterar tamaño y forma. También los ejes no pueden ser alterados, solamente pulidos para reducir la fricción. Los canales en el bloque de madera no pueden ser alterados. Ningún tipo de pintura, barniz, o cubierta podrá ser usado en las llantas. Solamente lubricante seco puede ser usado en las llantas (como teflón o grafito). Las llantas deben rodar libres sin ningún tipo de adaptación a la suspensión o amortiguación. Otras decoraciones podrán ser usadas si no interfieren con las reglas.

La nariz del carro debe ser por lo menos ½ pulgada para que el carro se apoye en el eje delantero.

Las llantas no deben estar más adelante o atrás de la carrocería, estás deben tener un contacto plano y tocar las cuatro la superficie de la pista.

Todo peso o plomada podrá usarse si no interfiere con las dimensiones, y deberá ser fijo.