



OJIBWA DISTRICT PINEWOOD DERBY

GRANT ELEMENTARY SCHOOL GYM & CAFETERIA

March 1, 2008

REGISTRATION BEGINS @ 3:30 - RACING @ 5:00 PM

Official Pinewood Derby Race Rules.

These are the only rules. No other rules apply. Any car not meeting these rules will not be eligible for race awards. Please read all rules with your scout before designing and building a car.

Sportsmanship

Participants and Guest at the Pinewood Derby are expected to exhibit good sportsmanship. Poor sportsmanship will not be tolerated, and may result in the race committee asking you to leave the race event.

Awards

Awards will be presented to the top three (3) finishers in all racing divisions. Each racer will receive recognition for their entry.

Racing Division will include the following:

Tiger	Webelo II
Wolf	Sibling
Bear	Open (Adult / Boy Scout)
Webelo I	Friend of Ojibwa District

The race committee reserves the right to combine divisions based on the number of participants .

Additional awards will be presented in the following general categories based on results of parental voting.

- 1 - Best Body Design
- 2 - Most Unusual Design

General Rules

Only one car may be entered per individual.

It is strongly encouraged that the older the scout, the more the car represents his work - as opposed to a parent(s).

Car Specific Rules

Kits: Only official BSA Pinewood Derby car kits are allowed. No car from a previous year may race in this years Pinewood Derby.

Additional kits for siblings/parents are available for purchase through the pack. Kits may also be available at the the Samoset Council Scout Shop, ScoutStuff.org or the Sports Den in Marshfield. (\$3.59 at ScoutStuff.org)

Car Specifications:

Minimum width: From inside to inside of wheels, no smaller than 1 3/4 inches.

Maximum width: From outside to outside of wheels, no larger than 2 3/4 inches.

Maximum length: No longer than 7 inches.

Minimum clearance: Space from bottom of tires to bottom of car, no smaller than 3/8 inches.

Maximum height : From bottom of tires to top of car design, no higher than 4-1/4 inches.

Maximum weight: 5 ounces (As read on the official Pack digital scale located at the registration table).

Wheels: Only official BSA wheels are allowed on cars. Four wheels are provided in your pinewood derby kit. The wheels may not be cut, drilled, narrowed, beveled or rounded. You may remove the seams and imperfections from the wheels. While removing imperfections do not sand tire tread texture from tires or narrow the tires. Dry lubrication on wheels, such as graphite or Teflon, is allowed.

****Liquid/spray lubrication on wheels, such as oils, wax, or silicone, are NOT allowed.**

****Wheel bearings, washers, bushings, or springs are prohibited.**

During registration/inspection, race officials will verify that all wheels are making contact with a flat surface.

Axles: Only official BSA axle nails are allowed on cars. Four (4) axle nails are provided in your pinewood derby kit. The only modifications allowed to axle nails are the removal of collating seams. Axle grooves cannot be modified, repositioned, drilled, or filled. Axle nails must be clearly visible in the axle groove to pass inspection. A fixative may be used to hold axle nail firmly in axle groove but must not obstruct inspection of the axle nail or groove.

Minimum/Maximum Width: The pinewood block is already milled to the minimum width. If the car design calls for a narrower width than the minimum width be sure to leave an ample amount of area (wood around each axle slot to attach axle nails. A minimum of a 1/2 inch area around each slot is recommended. The overall width of the car is measured with the tires attached. Exceeding overall width may result in the car rubbing the edge of the track lanes and slowing the car.

Maximum length: The pinewood block is already milled to the maximum length of 7 inches. Any accessories added to the car is included in the maximum length measurement.

Leading Edge: The front, or leading edge of the car must be constructed so that No part of the car protrudes beyond the leading front edge of the car. This leading front edge is required to align cars along the starting pins on the race track and to trigger the timer at the finish line. (Too narrow a point at the front of the car, may result in a delay of the timing mechanism - the race committee is not responsible for any delay based on car construction)

Minimum clearance: The pinewood blocks have axle grooves that are precut to allow for the minimum clearance after wheels are attached. Cars run over a

center guide on the track. If minimum clearance is not maintained the bottom of the car may rub on the center guide which will result in slowing the car down.

Maximum height: The pinewood derby heats are timed with an electronic eye with limited clearance. Car height must be less than 4-1/4 inches in order to race.

Maximum weight: No pinewood car can weigh more than 5 ounces. Adding weights to cars is allowed to bring cars up to the maximum weight. Weights must be securely fixed to the car and can not move, turn, or shift.

Moving Parts: No moving parts, excepting official BSA wheels, are allowed on a car.

Race Day Inspection/Registration

Registration: Registration will begin 1-1/2 hours before racing begins. Registration will end approximately 10 minutes prior to racing. Please allow time to complete necessary adjustments to your derby car before registration closes.

Pit Area: A pit area will be available for race day modifications to the pinewood derby cars. Please complete major modifications prior to arriving. Items typically available include: screws, drills, hot-glue guns, screwdrivers, and dry lubricants. The race committee makes no guarantee that tools necessary for all car specific modifications will be available.

Inspection: Cars will be inspected during registration for compliance with the specifications listed the Car Specific Rules. Once registered, each car will receive an official racing number.

If a car does not comply with one or more of the rules, an opportunity will be given to correct the non-compliance. If the non-compliance cannot be corrected before the closing of registration, the racer will be given the opportunity to register the car, but not be eligible for any racing awards. (Still eligible for general category awards) **Following inspection and registration, all cars will remain in the possession of the race committee until all racing has been completed.**

Racing Procedures

Once registration has closed, racing will be completed using the following procedure:

Heats: Each car will run once on each lane of the track. Members of the race committee, or parent volunteers will place all cars onto the track, start each race, and return the cars to the pit area.

Racing: Racing will be completed using a computer program (Grand Prix Race Manager) generated, pattern. Cars may or may not race against cars within their specific division - although final standing will be determined within each division. i.e., A car may not win a race, but could win their division. (We choose this method, based on past positive experience)

Timing: Official timing will be completed using an electronic timer (Fast Track). Final standings will be determined by the cumulative time for each car over the total number of heats run.

DNF: Any cars that Do Not Finish a heat will be awarded a time of 9.999 seconds for that heat.

Ties: Following completion of all racing, if a tie exists in the top three (3) positions, a head to head race(s) will be used as a tiebreaker. Tiebreaker race lane determination will be made by selecting one card from a set of numbered cards (the number of cards will equal the number of track lanes). The lane determination will be completed by the race committee. The winner of the tiebreaker race(s) shall be awarded the higher position.

**THE DECISIONS OF THE
RACE COMMITTEE ARE
FINAL !**

NEW THIS YEAR

Ojibwa District Scouts - Share some of the Pinewood Derby fun with a non-scout friend by inviting them to participate in this year's Pinewood Derby. All "Friends of Ojibwa District Scouts" registrations must be completed by February 15th, 2008. A \$5 registration fee will be required.

Return completed Registration and payment by February 15, 2008 to:

Pack 392 - Ojibwa District Derby
c/o Tim Deets
M604 Gilead Ct.
Marshfield, WI 54449

Please make all checks payable to:
Pack 392 - Marshfield

The required official BSA Pinewood Derby Car kits are available through the Samoset Council Scout Shop, Scoutstuff.org, or at the Sports Den in Marshfield. (\$3.59 at scoutstuff.org)

Questions?

codeets@tznet.com

2008 Pinewood Derby Friend of Ojibwa District Scout - Registration Form -

Name: _____

Address: _____

Phone: _____

Email: _____

Scout Friend: _____

Fee: \$5

I have received my Pinewood Derby rules sheet.

Signature: _____

*personal information will only be used to communicate Pinewood Derby information.