

# NEW HORIZONS DISTRICT PINEWOOD DERBY

## **Suggestions to Packs**

Give these rules to all the boys in your Pack, twice, at two different times. Make sure they all understand that they must follow these rules to race in the District Finals.

Due to differences in scales, suggest that the weight limit be 4.9 oz or 139g. This will reduce the amount of time required during registration and will not affect the performance of the car enough to make a difference.

Avoid pointed noses. The starting gate is a round dowel rod and may not hold the car behind the starting line.

Put an emphasis on aspects of the cars other than the race. For example, provide ribbons or trophies for categories such as the fastest looking, the toughest looking, the most colorful, the oddest, most looks like it was done by the Scout, most looks like it was done by parent.

Elect at least two Pack Representatives who will be responsible for:

- a) Completing the Pre-Registration requirements;
- b) Transporting the cars to Registration and;
- c) Will have authority to make any changes deemed necessary during the Registration process.

After all the races in the Pack are finished, gather the District Finalists' cars and perform last minute inspections and repairs for the District Finals. It is strongly recommended that no modifications be done to the cars after the Pack races are complete. The cars have already proven themselves as winners. Any changes are more likely to slow them down than speed them up.

Fill out and send in the Pre-registration form.

After all the races in the Pack are finished, keep all the cars together in one safe place and carry them safely to the race site for registration.

## **Forward to the parents**

The New Horizons Districts adheres to the original principal of the Pinewood Derby. The most important part of this derby is for the Scout to build his car with the help and guidance of his parent or adult partner.

These rules have been produced as a mere technicality to give the boys the guidelines they need to build their car such that every Scout that advances to the District Finals can be assured and comforted knowing that they are indeed competing against other Scouts.

Just like the requirements the Scouts must complete to earn their ranks (Tiger, Wolf, Bear and Webelos), the District Pinewood Derby Committee expects the boys to take on a larger and larger part of designing, planning and building his car each year he participates. The Scout should be able to handle and manipulate most, if not all, of the tools, equipment and supplies used to build his car. No work should be done on the car unless the Scout is present and knowledgeable of what is happening. This is where he will learn the most from his parent or adult partner.

In the words of the founder of the Pinewood Derby, Don Murphy, "I also wanted to devise a wholesome, constructive activity that would foster a closer father-son relationship and promote craftsmanship and good sportsmanship through competition." (Scouting Magazine, November-December 1999)

These rules have been produced to ensure that all Tiger Cubs, Wolf Cubs, Bear Cubs and Webelos in the Tall Pine Council New Horizons District have an equal opportunity to participate in and challenge each other in a friendly, level, good sportsmanlike competition.

There have been a lot of changes to the wording of the rules. Please read them carefully.

Basically, KEEP THE BOYS INVOLVED and KEEP IT SIMPLE

**All Cars must have: Name, Pack # and Rank on the car!**

# NEW HORIZONS DISTRICT PINEWOOD DERBY

## **District Rules and Requirements**

### **Pre-registration**

Pre-registration is required. This is where your Pack Representative notifies the Committee that your Pack will be participating in the District Finals and who from your Pack will be attending.

### **New equipment available at the Scout Store**

There is some new equipment available at the Scout Store for the pinewood derby cars. Anything that is purchased at the Scout Store is legal, as long as it conforms to the following specifications. This includes the new molded plastic body. The plastic body **CANNOT** extend past the dimensions indicated below. Squeezing the body will **NOT** be allowed to get it to fit into the box. Make sure all necessary trimming is done so it will fit into the box.

### **Car Specifications**

Overall weight will not be more than 5 ounces or 141 grams. District scales are final for the District Race.

Overall length will not be more than 7 inches.

Overall height will not be more than 3 inches.

Overall width will not be more than 2 ¾ inches.

Wheelbase will not be less than 4 inches, center to center.

Wheel width should not be less than 1 ¾ inches, to fit on the track.

Ground Clearance should not be less than 3/8 inches to clear the track.

Other than the wheels, no loose parts are allowed. If it rattles, an explanation of the noise will be required.

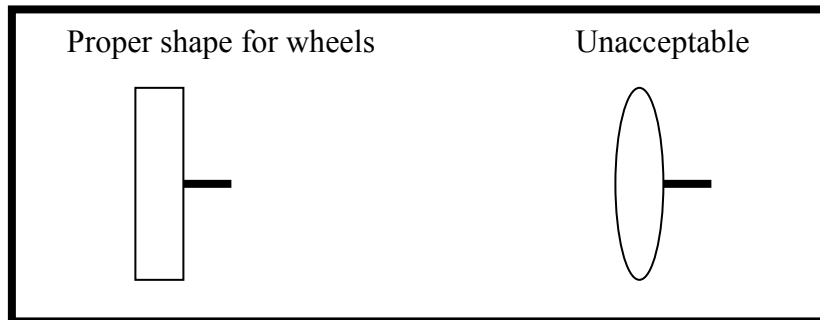
No part of the car will be allowed to extend past the rear edge of the starting post (no U shaped noses).

### **Axles**

Only Official B. S. A. axles are allowed. Sanding, polishing and de-burring of wheels and axles is considered a normal part of car preparation, but do not change the shape or appearance of the axle, because this will make them appear to be an unofficial part. Any material or objects, other than the painted wood body, lubricant and axle, which come in contact with the wheel, will be considered a violation of this rule (no washers, bearings, etc).

### **Wheels**

Only Official B. S. A. wheels are allowed. The B. S. A. initials must be visible and clear. Tires must sit flat on the racing surface. Any beveling, tapering, wavering or narrowing will be considered a violation of this rule.



### **Lubricants**

Only dry lubricants are allowed. No oil, grease, water, WD-40 or similar products can be visible during the Registration process. Any liquid or moisture detected will be considered a violation of this rule.

### **General**

Only B. S. A. registered Tigers, Wolves, Bears and Webelos are allowed to participate.

Cars must be made this year, with parts purchased this year. Racing cars from previous years and using parts from old kits are not allowed.

**All Cars must have: Name, Pack # and Rank on the car!**

# NEW HORIZONS DISTRICT PINewood DERBY

## **Registration Process**

Cars will be weighed. The Pack Representative must lighten any overweight cars, to or below the maximum weight that night. A drill will be available at Registration to remove weight.

Cars will be numbered. These numbers are determined prior to the pre-registration process and may not be the same numbers the boys have put on their car.

Cars will be inspected for dimensions. The car will be placed in a box and a ruler will be slid along the top of the box. If the car does not fit down flat on the bottom of the box, it will need to be changed by the Pack Representative that night. When the ruler is slid across the top of the box, if it hits any part of the car, the car will have to be changed by the Pack Representative that night.

Cars will be inspected for wheelbase. If the axles are found to be closer than 4 inches, they will have to be changed by the Pack Representative that night.

Wheels will be inspected for authenticity and manipulation. The B. S. A. initials must be visible with the naked eye. The tread for all four wheels must lay flat on the table surface, not necessarily all at the same time. The tread cannot be narrowed beyond minimal polishing. If, according to the technical inspectors, any of these situations have been compromised, the wheel(s) in question will have to be replaced by the Pack Representative that night.

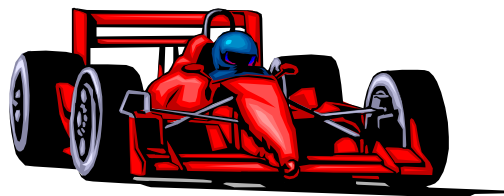
Axles must be official B. S. A. They will be inspected for authenticity and manipulation. Samples of legal and illegal axles will be available for comparison. If, in the judgment of the technical inspectors, the axles are determined to be illegal, they will have to be replaced by the Pack Representative that night.

Axles will be inspected for moisture. If any moisture is detected, the axles and wheels will have to be replaced by the Pack Representative that night.

Cars will be inspected for loose parts (other than the wheels). This includes any internal rattles that may be audible. No moving parts except the wheels will be allowed. The car will be shaken gently, and if anything rattles, other than the wheels, a detailed explanation of the noise will have to be provided. Shot for weight is allowed. Please try to secure loose shot inside the car.

Any and all necessary modifications to cars must be complete by the end of registration. No cars will be allowed to be modified after registration has closed, or the day of the race. Make absolutely certain that the Pack Representative has the authority and materials necessary to make changes required. For example, an extra, unopened, wheel and axle kit from the Scout Store.

All changes to the cars, during Registration, must be done by the Pack Representative the night of registration. Race officials will not change any cars.



## Pinewood Derby

**The doors will open at 9:30 and the races will start at 10:00 am. Registration information distributed at the December and January Roundtables. Contact Dennis Weston at 629-3106 if your unit has not received its information yet.**

**All Cars must have: Name, Pack # and Rank on the car!**