



# Royal Rangers/Mpact

Eastern Division Pinewood Derby Rules and Regulations



## STATEMENT OF PURPOSE

1. To build excitement in the child seeing "his/her" vehicle rolling down the track.
2. It is intended to be a project to promote an adult and child working together toward a common enjoyable goal. The ideal is for the adult to instruct, demonstrate, and help the child build the car, but not for the adult to build the car for them. The child must feel it is "his/her" vehicle not their father's or another adult's.
3. In all our activities, let's remember to put into action the Golden Rule from Matthew 7:12.

## GENERAL RULES

1. All cars must be purchased from the Divisional Commander.
2. Cars must be built the year they compete.
3. Contestants must be present in order to compete.
4. The 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> place winners in each category will advance to the next level of competition (no alternates or substitutes).
5. All cars must be pre-registered at least one week before the Divisional race.
6. Any car found to be in violation of the rules could be disqualified by race officials at any stage of the competition.
7. Once a car is registered for competition, only race officials may handle the car.
8. The same car may be entered in the Race and Show categories. (Show Unlimited is a separate entry.)
9. A "Second Chance Rally" class that allows all Mpact girls and Ranger boys that did not place in their outpost race will be provided. The cars must have raced at their outpost. Pre-registration is required for this class. Trophies will be provided for 1<sup>st</sup> through 4<sup>th</sup> places overall.

## RACE CAR CONSTRUCTION

1. Four Ranger divisions: Ranger Kids, Discovery Rangers, Adventure / Expedition Rangers\*, Adult.
2. Three Mpact Divisions: Rainbows, Daisies and Prims, Stars Friends and Girls Only
3. Specifications:

<b>Length</b> (max.)	<b>7 1/2 inches</b>
<b>Width</b> (max.)	<b>2 3/4 inches</b>
<b>Height</b> (max.)	<b>3 inches</b>
<b>Weight</b> (max.)	<b>5 ounces</b>
4. The car is to be constructed out of the original block of wood; paint, decals and weight may be added.
5. Axles must remain at the original length; spacing from front to back may be altered.
6. The wheels original shape CANNOT be altered in any way except light sanding to remove rough spots.
7. No part of the car can extend past the starting post.
8. No bearings, bushings or washers allowed.
9. Lubricants are restricted to dry powdered graphite only. *No oils or sprays.*  
*No lubricating of wheels inside the building.*
10. All kids will race in their age appropriate categories.

\*Adventure & Expedition Rangers will register separately, but compete together at the Divisional race.

## RACE TRACK RULES

1. If weight or any part of the car falls off during the race, it CANNOT be replaced.
2. If any vehicle leaves the track during a race, it is considered a "no race" and the same vehicles must be raced again. If the same vehicle leaves the track a second time or causes another vehicle to leave the track, it will be automatically disqualified. If a vehicle is damaged or broken from leaving the track the contestant shall have five minutes to make repairs.
3. Vehicles shall be propelled by gravity only. No starting devices are allowed.
4. Vehicles shall be ranked 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, etc. by the order they cross the finish line.

## SHOW CAR CONSTRUCTION

1. Three Ranger divisions: Ranger Kids, Discovery Rangers, Adventure / Expedition Rangers\*
2. Three Mpac divisions: Rainbows, Daisies and Prims, Stars Friends and Girls Only.
3. Cars must be made from the original block of wood. Additional wood, Pinewood kit wheels, paint and decals may be added.
4. **NO model parts of any kind** (i.e. no plastic, metal, or wood). Except for Pinewood Kit lead figures.
5. **NO plastic or glass of any kind** (i.e. buttons, beads, colored glass, windows, etc.).
6. Specifications:

<b>Length</b> (max.)	<b>7 1/2 inches</b>
<b>Width</b> (max.)	<b>2 3/4 inches</b>
<b>Height</b> (max.)	<b>3 inches</b>
<b>Weight</b> (max.)	<b>5 ounces (No weight restriction for a show only car.)</b>
6. The same car may be entered in the race category as long as it meets race guide lines.

\*Adventure & Expedition Rangers will register separately, but compete together at the Divisional competition.

## SHOW UNLIMITED CONSTRUCTION

1. Adults, Girls Only, and Expedition Rangers only.
2. The car must be hand crafted of wood and based on the original block, other wood may be added as desired.
3. **NO model parts of any kind** (i.e. no plastic, metal, or wood). You may use the tires from a model. The wheels can only be used if the tires cannot be removed from them. This does not mean you may use the axles from the model in order to mount the wheels to your car.
4. **NO plastic or glass of any kind** (i.e. buttons, beads, colored glass, windows, etc.).
5. Small amounts of string or wire may be used to make spark plug wires, hinges, etc. as long as they are hand crafted.
6. Leather/Vinyl may be used to construct convertible tops or truck tonneau covers as long as they are hand crafted.
7. Specifications:

<b>Length</b> (max.)	<b>10 inches</b>
<b>Width</b> (max.)	<b>5 inches</b>
<b>Height</b>	<b>No limit</b>
<b>Weight</b>	<b>No limit</b>

## JUDGING SHOW AND SHOW UNLIMITED CARS

1. There shall be a panel of three judges. Judges should select eight cars that impress them as the best for detailed judging. Judges will then perform all detailed judging independently of each other. When all the judges have finished scoring the cars, they will add up the scores from all the judges to determine the winners. Ties will be broken by re-judging the tied vehicles comparing them side by side.
2. Judging will be based on the following criteria:

A. Design:	Attractive design. Recognizable replica of an actual make and model of <b>CAR</b> . Does it show attention to detail?
B. Workmanship:	Bodywork; smooth surfaces, symmetric shaping. Detail work; lights, fenders, bumpers, interior work.
C. Paint Job:	High luster, no runs/drips, pin striping, straight decals.

## TRACK RECOMMENDATIONS

In order to maintain uniformity across the District, it is recommended that all racetracks be constructed according to the following specifications.

1. **Height** (at starting line in reference to finish line) **4 ft.**
2. **Length** (from starting line to finish) **40 ft.**
3. **Flat horizontal track** before finish line **15 ft.**  
(The start is a straight incline to this point.)
4. **Four lanes.**
5. A stopping device that will stop the cars without damaging them.
6. An electronic finish line system capable of displaying the order of finish 1-4.  
(A schematic is available from Dave Jones, 1201 E. Blue Heron Ct., Spokane, WA 99208)