

## 2017 Licking District Pinewood Derby Official Rules

Most of these rules are standard pinewood derby rules, just with further detail for clarification but please read ALL rules to avoid confusion

### **Pinewood Derby Car Dimensions -Wood:**

- The official BSA wood block must be used. No after-market bodies are permitted, unless sanctioned by BSA.
- The overall length of the car shall not exceed 7 inches. No exceptions.
- The overall width of the car should not exceed 2 3/4 inches. Depending on the track used, it may interfere with another car and may not be able to race.
- The car must have 1 3/4" clearance between the wheels as to run on the track properly.
- The overall height of the car should not exceed 3 inches. Depending on the track used, it may not clear the timer and top heavy cars may be unstable anyways.
- The car must have 3/8" clearance underneath the body so it does not rub on the track.
- The block may be shaped in any way that is desired with the following exceptions.
  - For staging at the start: Cars shall have a leading edge which is flat and parallel with the axles.
  - The leading edge should be between 0.5(1/2) and 0.75 (3/4) inches above the track.
  - Cars which "ride-up" on or wrap around the staging pegs may be run backwards, or disqualified, at the
  - Judge's discretion.
  - No part of the car may extend beyond the front bumper, which rests against the starting pin.
- Note: An electronic finish line may be used; it is recommended that extreme needle-nose designs
- be avoided.

### **Wheels:**

- Official BSA wheels must be used and must be stamped on the wheels.
- The wheels may not be cut, drilled, or beveled.
- You may remove the seams and imperfections from the wheels.

### **Axles:**

- Official BSA axles (nails) must be used.
- The axles may be altered, polished and lubricated.
- Only dry fine lubricant may be used.
- Cars may only be lubricated prior to or during inspection and not afterwards or during the race.

### **Weights and attachments:**

- The car weight shall not exceed 5.0 ounces.
- The official weight scale that is used at check-in shall be considered final.
- Weight may be added to the car and will be considered part of the car for purposes of all measurements.
- "Weight" is considered to be any material on the car that is not provided in the kit.
- All weight must be securely fastened to the car. If added to the bottom, it should be recessed into the car to allow proper clearance. If it touches the track, it must be removed to keep from

damaging the track. Weight shall be passive, i.e. non-moveable, non-magnetic, and non-sticky, etc

**Car modifications not allowed:**

- Wheels bearings, washers or bushings are prohibited.
- The car must not ride on any spring.
- No starting devices. The car must be freewheeling.
- No loose materials of any kind, such as lead shot, may be used.

**Other pinewood derby race rules:**

- Each car must pass inspection by official inspection committee before it will be allowed to compete.
- The inspection committee has the responsibility to disqualify those cars that do not meet these specifications.
- Once a car passes inspection and is entered into the race, the car will remain in possession of the race committee until the end of racing.
- If the car loses a wheel, or is otherwise damaged, the race committee will determine if a repair can be made and will be subject to reinspection.
- If a car leaves the track, runs out of its lane, interferes with another car, loses an axle, etc. the heat will be rerun.
- If the same car gets into trouble on the second run, the contestant is disqualified and automatically loses that race. If, on the second run, another car is interfered with, the heat will be run a third time, but without the disqualified car.
- A car from a previous LICKING DISTRICT race cannot be raced at this LICKING DISTRICT race. Remember, the reason for the pine wood derby is for the SCOUT to learn to design and build the car.
- A racer may be disqualified if poor sportsmanship is observed by a scout leader. Remember, we are scouts and should be on our best behavior.