

# PACK 61 PINWOOD DERBY RULES



## **Participation:**

- Open to all Pack 61 Cub Scouts, Tiger Scouts, parents and leaders.

## **Inspection:**

- Cars will be inspected during registration for compliance to the specifications set forth below.

## **Impound:**

- Cars will be impounded when registered. After being impounded, repairs will be limited to replacement of axles/wheels that are broken or lost during the race. All cars to be raced must be submitted at pit night at the Parish Center. Any car not submitted at pit night is not eligible to win.

## **Specifications:**

### **BODY:**

- The body in the Official BSA Pinewood Derby Kit must be used. Bodies of other materials will be grounds for disqualification. The body may be shaped, hollowed out, or built up from the original block, as long as it meets all other specifications. Any additions to the original body, i.e. steering wheels, drivers, decals, paint, weights, etc., must be firmly attached and must not interfere with the starting gate, track, other cars or the finish gate.

### **WIDTH:**

- The car width at the wheels may not be modified; it must be the same as the original kit. Width must not exceed 2 3/4".

### **LENGTH:**

- Overall length may not exceed 7".

### **WHEELBASE:**

- Wheelbase may not be modified; it must be the same as the official kit.

### **WHEELS:**

- Wheels and axles must be as furnished in the official kit. NO washers, bushings, bearings or springs are allowed. Wheels may be sanded to remove the flashing only. NO reductions in width or diameter, or changes in shape are allowed. Only dry lubricants are permitted. The original nails must be used.

### **WEIGHT:**

- The weight of the race-ready car must not exceed five (5) ounces as measured on the official scales at pit night.

### **CLEARANCE:**

- The car must have a bottom clearance sufficient to clear the 3/8 inch track guides.

### **OTHER:**

- Cars must free-wheel with no stored energy or movable weights. There is no designated front or back to the supplied body, either end may be the front.
- Cars must be new for this year's race. No past-years card may race in the official heats.
- There will be judging for an award for Best Design. Plastic body covers are not eligible for the best design award.
- At the completion of the official heats, unofficial cars submitted by parents or family members will be run. These times will not be officially recorded.
- Cars will be disqualified if the Scout or spectators display unsportsmanlike conduct at the race site.
- No lubricants may be used once the cars are registered.
- Each car will be assigned a number at registration and must display the tag provided with the assigned number.
- Three rounds of racing will be held. One for Tigers, one for Webelos and one for other Scouts.