

## 2018 River Valley District Pinewood Derby Rule and Regulations

**Derby Car Kits:** The official BSA Pinewood Derby Kit and no precut kits will be allowed to compete in the Races. Paint, decals, accessory trim pieces, and weights are allowed as long as their use complies with the inspection rules.

### **Scoring**

Each car will run down the track an equal number of times. Times will be averaged to determine the score.

For scout and modified classes at the end of heat racing, the top six or seven cars will be placed in a championship runoff.

**Awards will be given for first, second, and third places, best design, best workmanship, and scouts' choice (voted on by the scouts), for all classes.**

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 car will not be allowed to race further.

Each car must pass inspection by the 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 cars have been registered, weighed, and certified, they will remain in the hands of race committee until the end of the competition.

**Sportsmanship:** Scouting encourages good sportsmanship. Cars will be disqualified if the Scout or his parents display unsportsmanlike conduct on the race site. Remember, it is only a race and the object is for all Scouts to have a great time!

### **Eligibility:**

The Scout Class and Modified Class are for any Cub Scout.

The Open Class is open for scouts and their family members to compete.

**Date/Time/Location:** Saturday, April 28, 2018 at College Square Mall (west end), Cedar Falls, IA 50613

Registration and Check-in starts at **1:00 pm**. Racing starts as soon as registration is completed.

**Cost:** \$5.00 per car.

## Scout Class

1. Current year's car (last 12 calendar months).
2. Car size:
  - a. Maximum 5 ounces in weight.
  - b. Maximum length of 7 inches
  - c. Width  $2\frac{3}{4}$  inches
  - d. Minimum clearance of  $\frac{3}{8}$  inches
  - e. Maximum height of 4 inches
  - f. No altering of wheel base.
3. Wheels
  - a. Must use scout wheels (the wheels that come with the kit from the scout office).
  - b. No hubcaps
  - c. Dry lubricant only and applied outside prior to weigh in.
  - d. Use scout axils (the axles that come with the kit from the office).
  - e. No beveling, rounding or altering of the tires other than sanding to remove burrs.
  - f. All four wheels must sit flat on the surface of the track.
  - g. No bearings, washers, or bushings allowed.
4. No liquid or moving weights.
5. Once checked in the car does not leave the pit except for racing or for repairs approved by race officials.
6. Center of the car's front must be even with the front of the vehicle to allow for correct placement of the starter pin. When the car is loaded on the track against the starter pin no part of the car may extend past the starter pin.
7. Any weight added must be firmly attached to the car.
8. Cars powered by gravity only.

## Modified Class

1. Current year's car (last 12 calendar months).
2. Car size:
  - a. Maximum 5 ounces in weight.
  - b. Maximum length of 7 inches (no minimum length)
  - c. Width  $2\frac{3}{4}$  inches
  - d. Minimum clearance of  $\frac{3}{8}$  inches
  - e. Maximum height of 4 inches
  - f. Will allow altering of the wheel base.
3. Wheels
  - a. No hubcaps
  - b. Dry lubricant only and applied outside prior to weigh in.

- c. No bearings, washers, or bushings allowed.
- 4. No liquid or moving weights.
- 5. Once checked in the car does not leave the pit except for racing or for repairs approved by race officials.
- 6. Center of the car's front must be even with the front of the vehicle to allow for correct placement of the starter pin. When the car is loaded on the track against the starter pin no part of the car may extend past the starter pin.
- 7. Any weight added must be firmly attached to the car.
- 8. Cars powered by gravity only.

## **Open Class**

- 1. Car size:
  - a. Maximum 5 ounces in weight.
  - b. Maximum length of 7 inches (no minimum length)
  - c. Width  $2\frac{3}{4}$  inches
  - d. Minimum clearance of  $\frac{3}{8}$  inches
  - e. Maximum height of 4 inches
  - f. Will allow altering of the wheel base.
- 2. Wheels
  - a. No hubcaps
  - b. Dry lubricant only and applied outside prior to weigh in.
- 3. No liquid weights.
- 4. No moving part can extend beyond the front of the car.
- 5. Once checked in the car does not leave the pit except for racing or for repairs approved by race officials.
- 6. Center of the car's front must be even with the front of the vehicle to allow for correct placement of the starter pin. When the car is loaded on the track against the starter pin no part of the car may extend past the starter pin.
- 7. Any weight added must be firmly attached to the car.
- 8. Cars powered by gravity only.

## **Questions? Contact:**

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