

## Pack 216 Official Pinewood Derby Rules

1. Maximum car size including wheels may not exceed 7 inches long and 2.75 inches wide.
2. Minimum ground clearance between car bottom and track shall be 3/8 inches.
3. All cars shall be weighed in on the same scale. Each car may not exceed 5 oz. total weight. Metal or wood may be added to reach maximum racing weight.
4. No wheels, bearings, springs, starting device, loose or moving weights or parts allowed. No weights will be allowed in the wheels.
5. The wheels shall be the same type provided in the official Pinewood Derby Kit. The wheels may not be cut or shaped, but may be sanded/polished. All cars must use the axle provided in the kit, **AND THE PRECUT AXLE SLOTS ON THE CAR.**
6. Custom parts such as a driver, windshield, pipes, header, roll bars, and other details are permissible, provided they do not cause the car to exceed the maximum length, width, and weight specifications.
7. Lubrication of wheels shall not be performed after inspection. They must be lubricated prior to inspection. Use of graphite or silicone is allowed. Any other lubricate is not allowed.
8. Each car must pass inspection by the official inspection committee before it may compete. Inspectors have the right to disqualify those cars which do not meet official specifications.
9. After the car has passed inspection, the car may be handled only by the pinewood derby committee. After the pinewood derby, the Cubmaster will notify you that the car may be picked up. Removal of your car prior to this time shall disqualify you from the event.
10. No pre-cut cars will be allowed.
11. Cars must be constructed within the current year. Previously built cars will not be allowed.
12. Wheel covers will be allowed, but must be removable for inspection of axle. Wheels cannot be packed with graphite.
13. Pack 216's Pinewood Derby is based on triple elimination. A car must lose 3 times before it is eliminated. The top three cars from each den will be kept for the finals to determine the overall pack winner.

### Helpful Tips

- Polish the axles
- Sand the wheels to remove rough spots and burrs.
- Make sure the wheels are on straight. You may glue the axle to the body.
- Use graphite on the wheels and axles.
- Ideal placement of weights should be in the center or near the rear axle of the car.