

Elementary School Pinewood Derby Rules

Our primary goal is to ensure the safety and enjoyment of everyone. We encourage you to unleash your creativity in your car design, but always keep safety in mind. Your well-being is our top priority.

1. Gravity-powered cars only. No power-assisted devices, such as rubber bands, air compression, magnets, etc.
2. No liquids or fire on the track.
3. Weight: 8 ounces or less.
4. Length: 7 inches maximum – Tracks cannot accommodate longer cars.
5. Height: 10 inches maximum—The sensors at the end of the track need to be cleared. They detect which car came in what order and at what speed.
6. Wheelbase: Wheels must be at least 1 5/8 inches apart to straddle the center guide.
7. Dry Lubricants only – Graphite is acceptable; oil will mess up the track and cause issues in the future.
8. It is not required that all four wheels contact the track at the same time.
9. No profanity or anything that insinuates inappropriate behavior may be placed on the cars. Remember, we have little kids present.
10. Design your car as you want—make it a truck, a Formula One car, a flat piece of wood, etc. Add company logos, favorite characters, cartoon characters, superheroes, trolls, etc.
11. Cars must be present at the event by 10 a.m. to allow people to vote for the best cars.
12. Earn bragging rights amongst friends and colleagues for a year.

Keep in mind, there are three categories to win a trophy.

1. Cubmaster Choice – The Cubmaster will select one car across all categories, based on looks, performance, or any unique items
2. People's Choice – Everyone present can vote on the car they like the best across all categories.
3. Top Three Finishers – The top three finishers in each category will receive a trophy.