



YMCA Adventure Guides Pinewood Derby Saturday, December 6th



Location: River Crossing YMCA (Doylestown) – Studio 1 (next to the Large Gym)

Check-in Time: 4:30-5:15pm

Race Time: 5:15-6:15pm

The Adventure Guides Pinewood Derby is open to kids in Kindergarten through 12th Grade who are members of YMCA Adventure Guides or the River Crossing YMCA.

Car Construction Rules

- Racers may use Pinewood Derby Car kits, but may not purchase pre-assembled, ready-to-race cars
- Maximum weight = 5.00 oz
- Maximum length = 7"
- No modified wheels (e.g., shaved down)
- No washers on axles
- Only dry axle lubricants (e.g., graphite powder); no wet lubricants
- No sticky substances on the nose of the car

Check-in

- Racers will enter their car to be weighed. If the car weighs more than 5.00 oz, the racer must reduce the weight and resubmit.
- Racers will not have access to their cars again until the Final Round, so they should make any adjustment or apply dry lubricant prior to check-in.

Round 1 Rules

- Each car will race in 4 heats, racing one time in each of the track's four lanes.
- If a car loses a wheel, the racer may reattach it before the next heat.
- Each car's slowest time will be eliminated.
- Each car's fastest 3 times will be averaged for its Round 1 Time.
- The fastest 8 cars will advance to the Final Round.

Final Round Rules

- Racers may access their cars prior to the Final Round to make repairs or apply dry lubricant. Racers may not add weight to their car.
- Similar to Round 1, each car will race in 4 heats, one heat in each lane.
- Each car's fastest 3 times will be averaged for its Final Round Time.

Prizes

- Racers finishing in 1st, 2nd, and 3rd place will receive trophies.
- Racers finishing 4th through 8th will receive Finalist medals.
- The Racer finishing in last place will win the Most Fuel Efficient award.
- Additional awards will be given for Most Bling, Most Colorful, and Most Creative.

After the Derby, the Holiday Party and Award Ceremony will be held in the Large Gym.