

Hawkeye Council Pinewood Derby Rules

Race Rules:

1. All Cadets and Counselors must be present and in uniform to race.
Listen for announcements for your class/grade to make final preparations, and to bring your car to final check-in. You will not have access to your car between heats.
2. All cars will be judged for appearance. Cars must race to be eligible for appearance awards.
3. The construction of the car should be a parent-child project (this is intended as a shared experience).
4. A parent or guardian may also build a car to race in the Counselor/Parent class. They may not race their son's car; they must build and race their own car.
5. One car per entrant.
6. No cars from previous years are eligible.
7. Each car must meet all construction specification rules below.
The car committee members have final say on any disqualifications or exceptions.
8. Finish line computer will have final say on all race results. Only race officials will have access to the track once set-up. Interfering with the track, race operations or with race officials may result in disqualification.

All cars must be built only with materials in the kits purchased from Hawkeye Council:

(no extra wood or other parts allowed, weight, glue and paint are all you can add, lattice strip and dowel are optional to use)

- 1 wood body block, 7" x 1-7/8" x 1-3/8" (with pilot holes for screw axles)
- 4 plastic wheels
- 4 wood screw axles
- 4 washers (for spacing wheels away from the car body)
- 1 lattice strip, 7" x 1-1/8" x 1/4"
- 1 dowel 1/4" x 4"

Construction Specifications:

The car must fit inside the official box gauge, and **not exceed five (5) ounces** in weight.

1. Maximum dimensions are 3" wide (1-1/2" each way from center) x 10" long x 6" high
While the Cadet-O-Rama track does not have a height limit, check with your club as some tracks do. Wheels and axles supplied in the kit must be used, no wheel modifications, replacements/upgrades allowed. Excess plastic casting remnants may be cleaned up, but none of the dimensions of wheels (outer or inner diameter or width) or axles may be altered. Axles may be bent slightly to make adjustments.
2. The wheel base, ground clearance, and distance between the wheels must not be altered (use the provided pilot holes). There must be 3/8" ground clearance on all sides of car. No fenders, bumpers or other features can extend below this, nothing may interfere with the lane guides or obscure the wheels which could defeat the track timing sensors. ~~The right front wheel must make contact with the track to ensure accurate timing results.~~ Timing starts and finishes by the ~~right front wheel~~ front of the car. Car must be able to stay behind starting pins (the car may be run backwards to avoid disqualifying it).
3. Cars are to be powered by gravity only. Any added weight must be molded into or securely embedded/enclosed within the car, no loose weights allowed. Final weight of the completed car may not exceed five ounces (5 oz).
4. Decorative accessories are to be formed from the materials supplied in the kit. No decals, stickers, or glitter; No body putty, wood filler, or plastic model parts. Any moving decorative parts must be limited to within the maximum dimensions, remain attached, and not interfere with neighboring lanes or track operation.
5. No wax or polish is to be used on the bottom of the car (it defeats braking at the end of the track).
6. No graphite powder lubricant allowed, any other lubricant may be used.
7. Clearly write on the bottom of the car using permanent marker or paint pen: Name, grade/class, church/club name (use white or silver on dark finishes, abbreviate church/club if necessary).

Hawkeye Council Pinewood Derby Car Template

Max Weight: 5 oz. -- Maximum Dimensions: 3" wide x 10" Long x 6" high

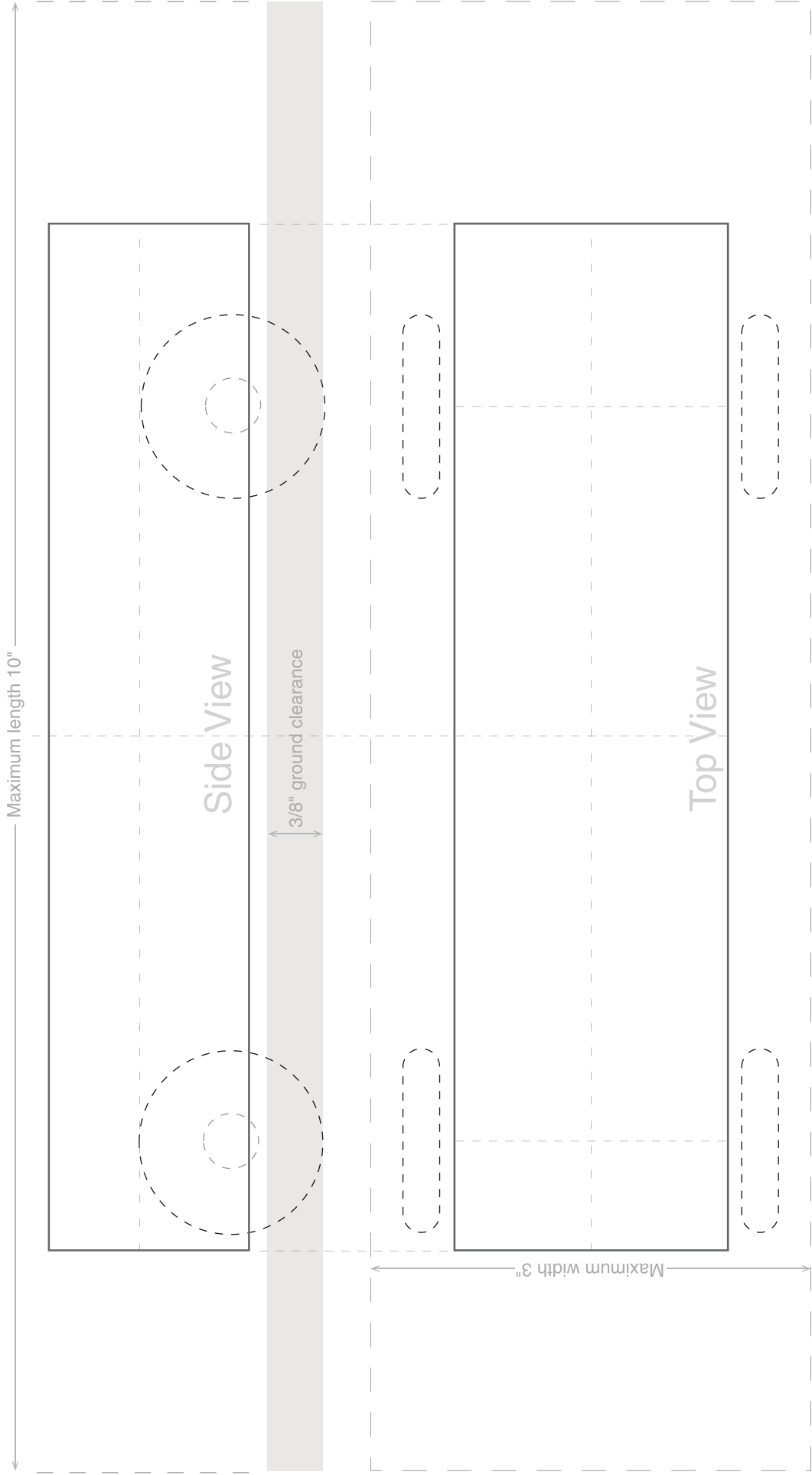
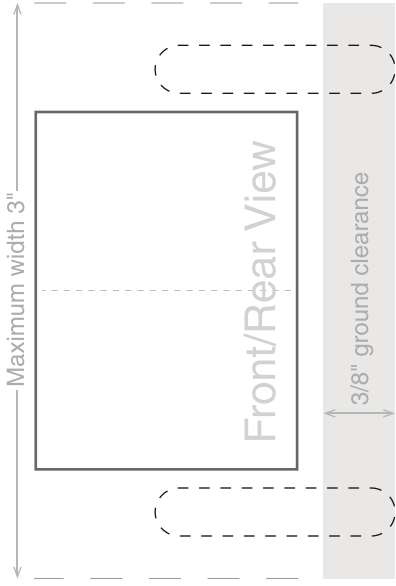
Wheels, Wheel base and ground clearance may NOT be altered or interfered with.

Timing system measures by the right-front wheel.

Weight, glue and paint are the only things that can be added to the car, otherwise only the contents of the kit are to be used.

NO stickers, decals or glitter (anything that could fall off), all detail/decorations must be painted on, or applied using paint-pens or permanent markers.

CLEARLY write your name, grade and chruhc/club name on the bottom of your car using permanent marker or paint-pen. Draw an arrow pointing the direction you want the car to be raced if the front/back is not obvious or if you want to protect any features.



Note: These drawings are approximate, but can be used for planning and sketching out plans for your car design.