

# WHY DO WE HOST PINEWOOD DERBY?

Each year we look forward to Pinewood Derby as a fun event that encourages creativity while providing family bonding time through a hands-on project. In addition, it celebrates a sense of healthy competition and good sportsmanship. Whether you are crafting and racing a car or cheering from the spectator stands, Pinewood Derby is a great way for all of us to connect with one another as a church body and with others in our community. We strive to honor the Lord in every part of this multigenerational event!

## HOW TO MAKE A PINEWOOD CAR

- [wikihow.com/Make-a-Pinewood-Derby-Racing-Car](http://wikihow.com/Make-a-Pinewood-Derby-Racing-Car)
- [scoutlife.org/pinewood-derby](http://scoutlife.org/pinewood-derby)
- Search Google or Pinterest for more!

## DESIGN TEMPLATES ONLINE

- [boysdad.com/archives/409](http://boysdad.com/archives/409)
- [pinewoodpro.com/pinewood-derby-howto-design.php](http://pinewoodpro.com/pinewood-derby-howto-design.php)
- Search Google or Pinterest for more!

## CONSIDER PURCHASING A PRE-CUT KIT

- There are different kits and accessories available at Hobby Lobby.
- Be sure the finished product follows all measurements and rules for our race.

## MEASURE AND WEIGH CAREFULLY!

- INSPECTION HAS TO BE COMPLETED BY 6:00PM!
- Please be sure to follow all measurement and weight specifications.
- Weigh your car on a small postage or food scales at home if possible or at the registration table/kiosk prior to the night of the event.
- If you are uncertain about your car passing inspection, please come at the beginning of check-in time. Cars must pass inspection before 6 pm in order to participate in the race.
- Official weight will be determined using the scales at inspection.
- Minor adjustments can be made onsite if your car is too heavy, but limited time and resources available make a lot of modifications difficult.

## RACE CLASSES

- We typically have 8 racing classes with 10-15 racers in each class.
- Racing classes are based on age/grade.
- **GRAND FINALE RACE!** All 1st place finishers in each age/grade class will be eligible to race in this round to vie for the Overall Winner Title.

## BASIC RULES & INFORMATION - ALL CLASSES

1. We encourage everyone under the age of 18 to do as much of the work on the car as possible with necessary assistance from an adult.
2. Each car must pass official inspection by the committee before it may compete.
3. If a car does not pass inspection, the owner will be informed of the reason for failure and will be given time within the weigh-in period to make the adjustment. PLEASE NOTE: Tools and materials to make on-site adjustments are limited, so please follow specifications carefully.
4. After final approval, cars may not be re-inspected unless the car is damaged in handling or in a race.
5. Awards will be given to cars placing 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> in each class.
6. Awards will be given for Best Design in each class.
7. All 1<sup>st</sup> place finishers in each age group are eligible to race in the Grand Finale to vie for the Overall Winner Title.

## AGE CATEGORY RACING CLASSES – RULES & SPECIFICATIONS

### 1. Measurement Specifications:

Max Length: 7 in	Max Width: 2-3/4 in	Max Height: 6 in
Max Weight: 5 oz	Width Between Wheels: 1-3/4 in	
Min Clearance Between Track & Car Body: 3/8 in		

2. Wheel bearings, washers, and bushings are prohibited.
3. Standard wheels only - see diagram (outside diameter equal to or greater than 1.170 in).
4. Needle type wheels are not allowed.
5. Only dry lubricant is permitted.
6. Details, such as steering wheel and driver, are permissible if these details do not exceed the maximum length, width, height, and weight specifications.
7. The car must be freewheeling with no starting devices.

