

# PINEWOOD DERBY DESIGN PREP CHECKLIST

(1) Which award would you like to compete for?

Speed Award

Design Award (Category \_\_\_\_\_)

Best Craftsmanship  
 Best Public Service Vehicle  
 Most Texan  
 Most Extreme  
 Best Sports Theme  
 Best TV or Movie Theme

Most Futuristic  
 Best Scout Theme  
 Best Use of Color  
 Judges' Favorite  
 Best Non-Car Design  
 Best Kid-Built \*

\* Kid-Built can have adult help with power tools, but kid should do all design, sanding, painting, and decorating.

(2) Rough Draft sketch of your car design

(3) Did you want to bake the block?

Yes\*       No

\*Must be baked before the Cut Clinic

\* 1-2 hrs at 250 F, watch closely and make sure it doesn't burn!

(4) Do you want to extend your wheel base?

Yes       No

(5) Determine the wood weight after cuts

A) Maximum Weight 5.0 oz

B) Wheels and Axles \_\_\_\_\_

C) Decorations \_\_\_\_\_

D) Extra Weights \_\_\_\_\_

A – B – C – D = \_\_\_\_\_ OZ

(6) Do you want to remove burrs & scratches from your axles and shape the head?

Yes       No

(7) Do you want to balance your center of gravity  $\frac{3}{4}$ " – 1" in front of the rear axle?

Yes       No

8) Do you have your rough draft sketched onto your block of wood as guidelines for the cut?

Yes       No

In the interest of time for the Cut Clinic, please finish as much prep work as possible! Good luck!



# PACK 97 PINWOOD DERBY INFO



## What is Pinewood Derby?

The Pinewood Derby is an optional activity (with very high participation) where a Scout transform blocks of wood into a miniature race car powered by gravity. Cars are judged for their speed and designs. The fastest cars and best designs get to take home awards!

Scout should take the lead for their car so their creativity and ingenuity shows through the car's design and construction.

Adults can help scouts practice crafting skills, such as car design, sanding, and painting, and should take proper safety precautions when using power tools. Let your scout do as much as they can!

## !! Important Dates !!

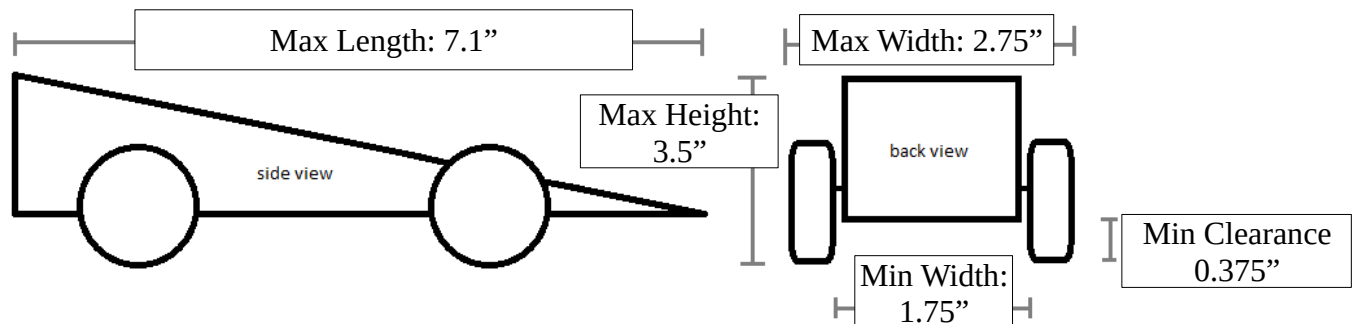
Inspection Day            Jan 25, 2025    1 PM – 4 PM

Race Day                    Jan 26, 2025    1 PM – 4 PM

## What Awards can the cars win?

Speed Awards		Design Awards	
<u>PACK LEVEL</u>	<u>DEN LEVEL</u>	Best Craftsmanship	Most Futuristic
1 <sup>st</sup> Place	1 <sup>st</sup> Place	Best Public Service Vehicle	Best Scout Theme
2 <sup>nd</sup> Place	2 <sup>nd</sup> Place	Most Texan	Best Use of Color
3 <sup>rd</sup> Place	3 <sup>rd</sup> Place	Most Extreme	Judges' Favorite
		Best Sports Theme	Best Non-Car Design
		Best TV or Movie Theme	Best Kid-Built *
Can win Speed Awards on the Den & Pack Level		Can only win 1 Design Award	

## Quick Summary of the Car Guidelines



- Fits within lane, dimensions above
- Maximum weight 5.0 oz
- Car cannot damage the track or other cars
- Wheels say BSA PINWOOD DERBY
- Has 4 Wheels (lifting 1 wheel & tilting OK)
- Only dry lubrication

Arrow of Light Scouts compete in the Outlaw Category – fewer rules for higher stakes competition!

- 10 oz max, don't damage the track or other cars, no Pack Level Speed Awards, no Design Awards

Full Rules on the website: <https://holypack97.org/index.php/pinewood-derby-rules/>