


PINEWOOD DERBY

ACE THE RACE!


Tips for a better build, faster finish, and Derby days filled with fun!

 And don't forget that Lions can now participate as well! Review your local pack, district, or council derby guidelines for any design-specific rules!

DREAM YOUR DESIGN


- ❑ **Start with a sketch** – come up with the shape, theme, colors, and details.
- ❑ **Eliminate the guesswork** – find ready-to-use patterns in our *Pinewood Derby® Designs & Patterns* book.
- ❑ **Stick to it!** – be sure to check out our new selection of decal kits for your racer!

START YOUR BUILD

- ❑ **Great for beginners** – eliminate the need for power tools with a Pre-Cut Pinewood Derby Wedge Kit! 
- ❑ **Tool tip** – our basic Tool Set has everything you need to cut, shape, and sand your design!
- ❑ **Need for speed** – remember that thinner cars with the majority of weight placed in the rear will go faster.

GETTING THE EXTRA EDGE

WHEELS & AXLES

- ❑ **Extra set of wheels** – more fun choices with Glow-in-the-Dark or Black Light  wheel sets now available and other fun colors!
- ❑ **Reduce friction, increase speed** – De-burr the standard PWD axles with a small file. The smoother, the faster.

NEED HELP?

- ❑ Check out our helpful “how-to” videos at www.Pinewoodderby.org
- ❑ Find expert advice in our popular Pinewood Derby books in-store and online.

FOUR TOOL HEROES

Take your car to the next level with these four tools for the advanced Pinewood Derby racer!

- ❑ Enhance your wheel's tracking and speed with our How-To videos!
- ❑ **Pro Body** and **Pro Axle Guide** ensure accurate axle positioning.
- ❑ **Pro Body Jig** for new axle holes and lowering your racer's center of gravity.
- ❑ **Pro Body Slotter** cuts accurate axle slots and relocates wheel bases.

TUNING IT JUST RIGHT

WEIGHTS & FINE-TUNING

- ❑ **Center of gravity** – weight should be concentrated in the rear of the car for higher center of gravity.
- ❑ **Tungsten weights** – Small, maneuverable, and 1.7 denser than lead.
- ❑ **Tungsten putty weight** – need more weight? Great


Shop today in your Scout Shop or www.ScoutShop.org!

Scout Shop Name
Address
Phone


PINEWOOD DERBY

GEAR CHECKLIST

DREAM YOUR DESIGN


- ❑ **NEW Decals** –peel off and apply to a clean, dry surface. **\$4.49 ea** 
 - Splat (647825)
 - Girls Eyelashes (647544)
 - Purple Power (647543)
 - Girls Access. (647456)
 - Street Demons (647451)
 - Girls Doodle (647452)
 - Black Widow (647455)
 - Accessories (647457)

START YOUR BUILD

- ❑ **Pre-Cut Wedge Kit** (614417)–no tools needed... just add wheels, weights, sand, and decorate. **\$3.49** 
- ❑ **Tool Set** (17371)–basic set for cutting, shaping, and sanding. **\$18.99**
- ❑ **Paint Sets** –three-color paint sets. **\$7.99 ea**
 - Glow (648091)
 - Fluorescent (648090)


GETTING THE EXTRA EDGE

WHEELS & AXLES

- ❑ **Wheels & Axles Sets** – **\$1.99 ea** 
 - Black (17553)
 - NEW** Glow in the dark (647053)
 - NEW** Green - black light (647054)
 - NEW** Pink - black light (647055)
 - NEW** Purple - black light (647056)
 - NEW** Blue - black light (647826)
- ❑ **NEW LED Head and Tail Light Kit** (648093)–two headlights, two tail lights and battery pack. **\$9.99**
- ❑ **NEW LED Undermount Glow Light Kit** (648094)–cast a blue glow with two light strips and battery pack. **\$9.99**
- ❑ **4 Tool Heroes:**
 - Pro Body Tool** (610794)–ensures accurate axle positioning. **\$12.99**
 - Pro Axle Guide** (17076)–ensures axles are mounted into correct slots. **\$9.99**
 - Pro Body Jig Tool** (613549)–creates new axle holes and lower center of gravity. **\$42.99**
 - Pro Body Slotter** (620407)–cut new axle slots, relocate wheel base for increased speed. **\$9.99**

TUNING IT JUST RIGHT

WEIGHTS & FINE-TUNING

- ❑ **Center of Gravity Stand** (618809)–find center of gravity for best weight placement. **\$11.99**
- ❑ **Tungsten Weights:** 
 - Canopy Weight** (615728)–add weight and style with just one part. 2.5 oz. **\$19.99**
 - Putty Weight** (614379)–mold it and add just where you need it. **\$7.99**
 - Skull Weight** (622562)–approx. 1³/₈" x 7⁷/₈". 2.9 oz. **\$23.99**
 - Cube Weights** (615729)–12 cubes; each less than five grams (¼" sq.) **\$15.99**
 - Weights Kit** (614380)–includes .5 oz. (2), .25 oz. (2), and .125 oz. (4). **\$15.99**
- ❑ **Krytox® Lubricant** (618788) **\$21.99** Check local derby guidelines for use.

HOW-TO BOOKS

- ❑ **Pinewood Derby Speed Secrets** (30538)–step-by-step instructions and photos. **\$12.95**
- ❑ **Pinewood Derby Designs & Patterns** (34130)–with choices for all skill levels. **\$12.95**
- ❑ **Getting Started in Pinewood Derby** (616003)–approach your first derby with confidence. **\$12.95**
- ❑ **Building the Fastest Pinewood Derby Car** (617547)–packed with speed secrets. **\$14.99**
- ❑ **Grand Prix Pinewood Derby Guidebook** (620813)–everything PWD in a handy pamphlet. **\$2.99**