

Pine Car Grand Prix

Workshop / Build Clinic

Saturday July 13, 2024 10 a.m. – noon, 2 p.m. – 4 p.m.

**Indoor Event
for All Ages!**

**Awards for both
Speed & Design**

RACE DAY

Saturday July 27, 2024

Cars Check-in 1 p.m.

Race Events beginning by 1:30 p.m.

**Official Rules &
Instructions
included with
required Kit**

\$5
per Car Kit
accepted to offset
Kit cost (optional)

**First Baptist Church of Webster
Family Life Center (Gymnasium)**

420 Slossen St. (off N.Walnut St., across from Walnut Park)
(281) 332-4041 <https://fbcwebster.churchtrac.com/>



Sign up early to ensure kit availability before race date.

To sign up: <https://fbcwebster.churchtrac.com/connect?ei=HSTBVK8>

Race info: <https://fbcwebster.churchtrac.com/card/20>

Questions or comments: PineCarGrandPrix@gmail.com

Building Your Pine Car

Using Your Own Template Design

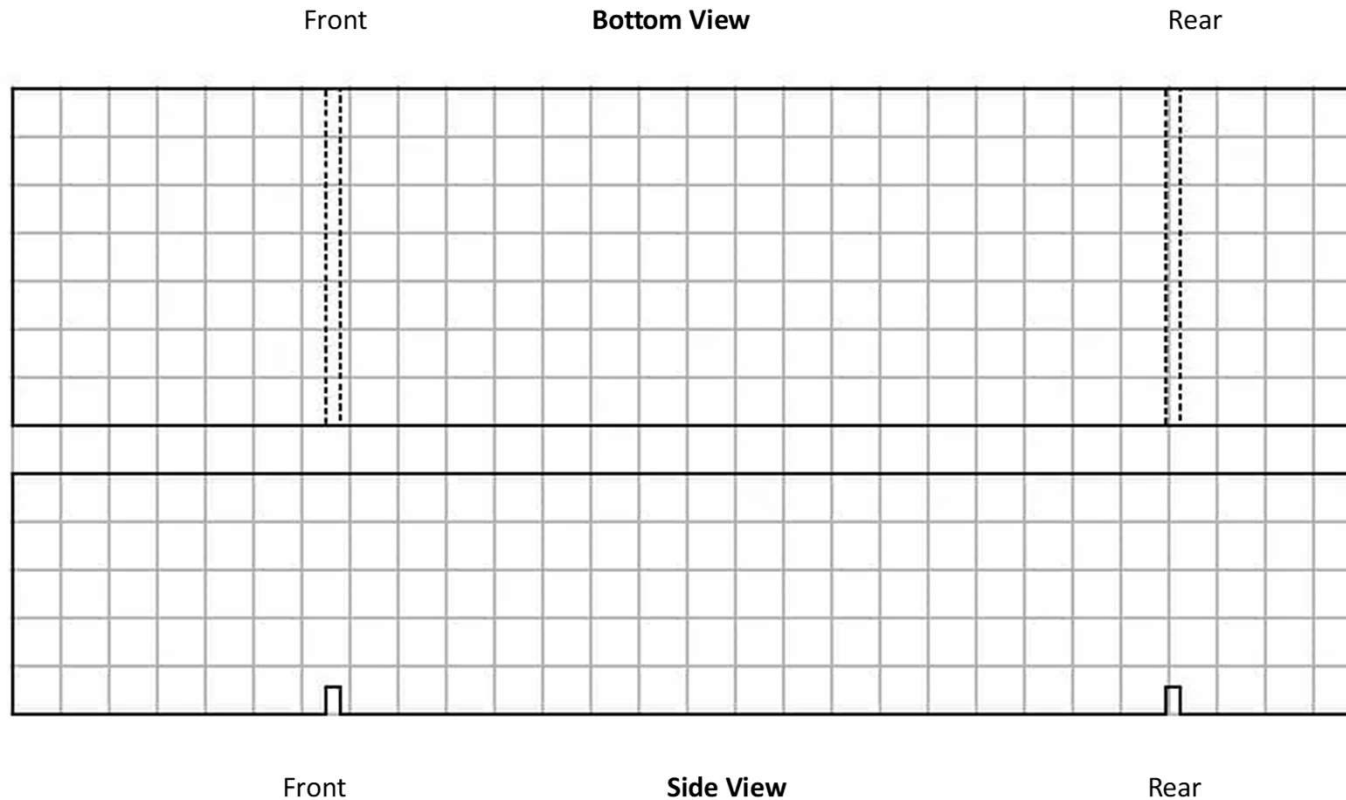
The Kit: Wood Block, 4 Wheels & 4 Axles



No fee required to participate!

Donation of \$5/kit accepted to help offset each kit's retail cost (optional).

Wood Block Template



Before starting your design, review the included official rules and instructions.

Rules Review: Do...



- **Must** be powered only by gravity (“free-wheeling”)
- **Must** rely on kits (block, wheels & axles) issued for *this* derby
- **Must** have any added weights and accessories *securely* attached for racing
- **Must** have a visible car #
 - ok if number underneath
- **Must** fit on the track:
 - 5 ounces or less
 - per inspector’s scale
 - At least $\frac{3}{8}$ ” bottom clearance after wheels installed
 - 7” long (or less)
 - At least $1\text{-}\frac{3}{4}$ ” between left & right wheels
 - Total width $2\text{-}\frac{3}{4}$ ” (or less)

Pine Car must pass inspection to participate. See official rules.

Rules Review : Don't...



for Pine Car bodies:

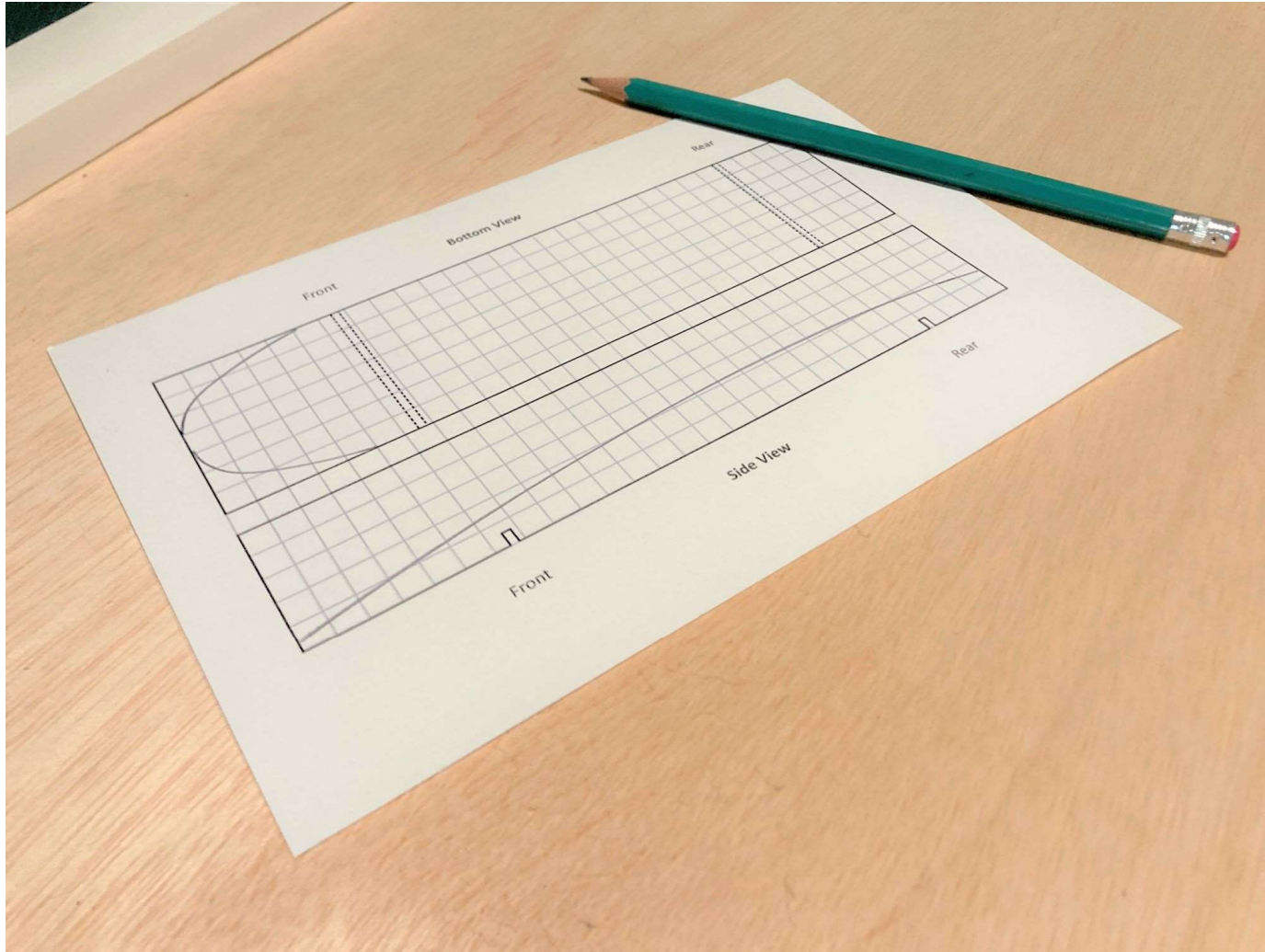
- **No** starting devices or propulsion sources
 - including magnets, springs, etc.
- **No** other moving parts (except wheels) and/or weight-shifting mechanisms
- **No** more than 5 oz. total weight
- **No** part beyond the starting pin when staged

for Wheels / axles:

- **No** bearings, bushings, washers
- **No** altered, modified, or lightened wheels
 - simply polishing wheels **okay** (if not excessive)
 - **Don't over-lubricate**
- **No** materials or parts that might scratch or abrade the track's racing or stopping surfaces
- **No** previously-raced cars

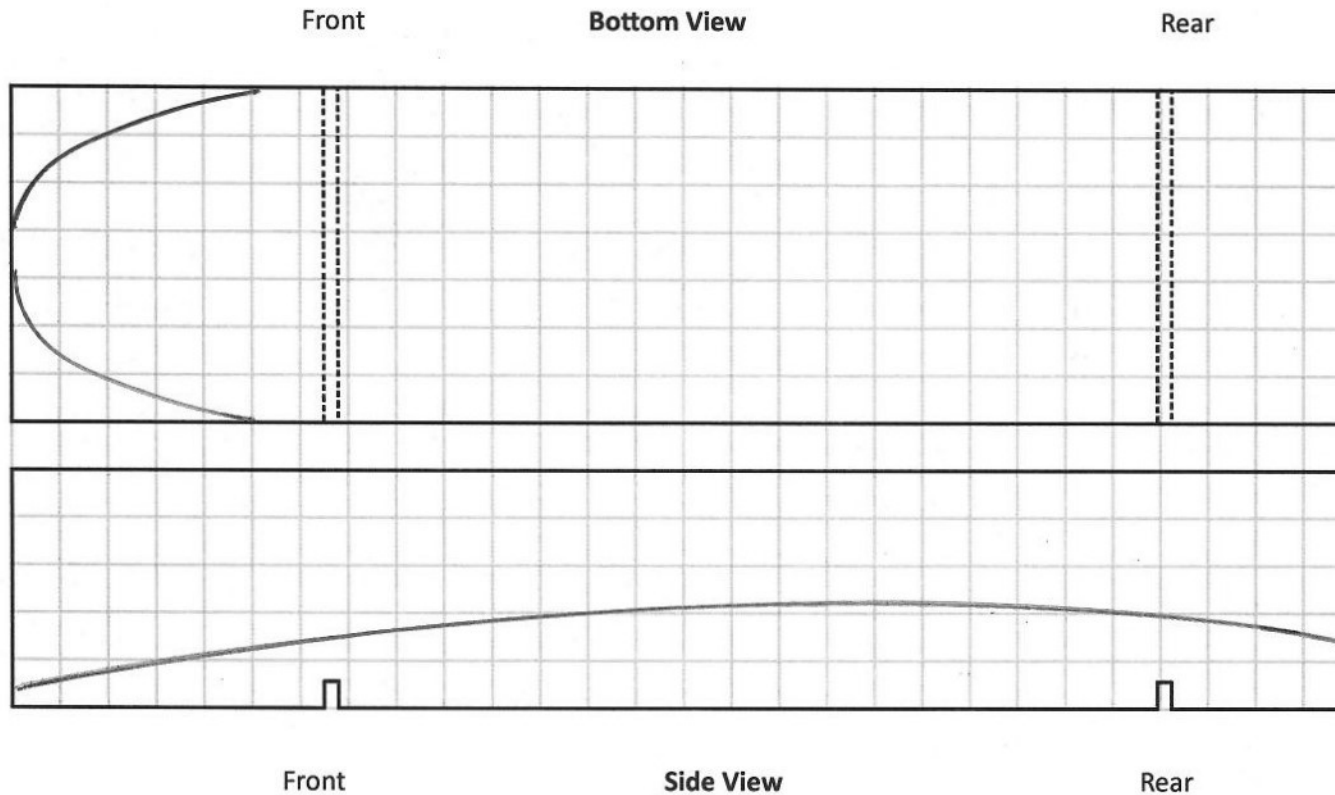
Pine Car must pass inspection to participate. See official rules.

Draw Your Bottom and Side Views



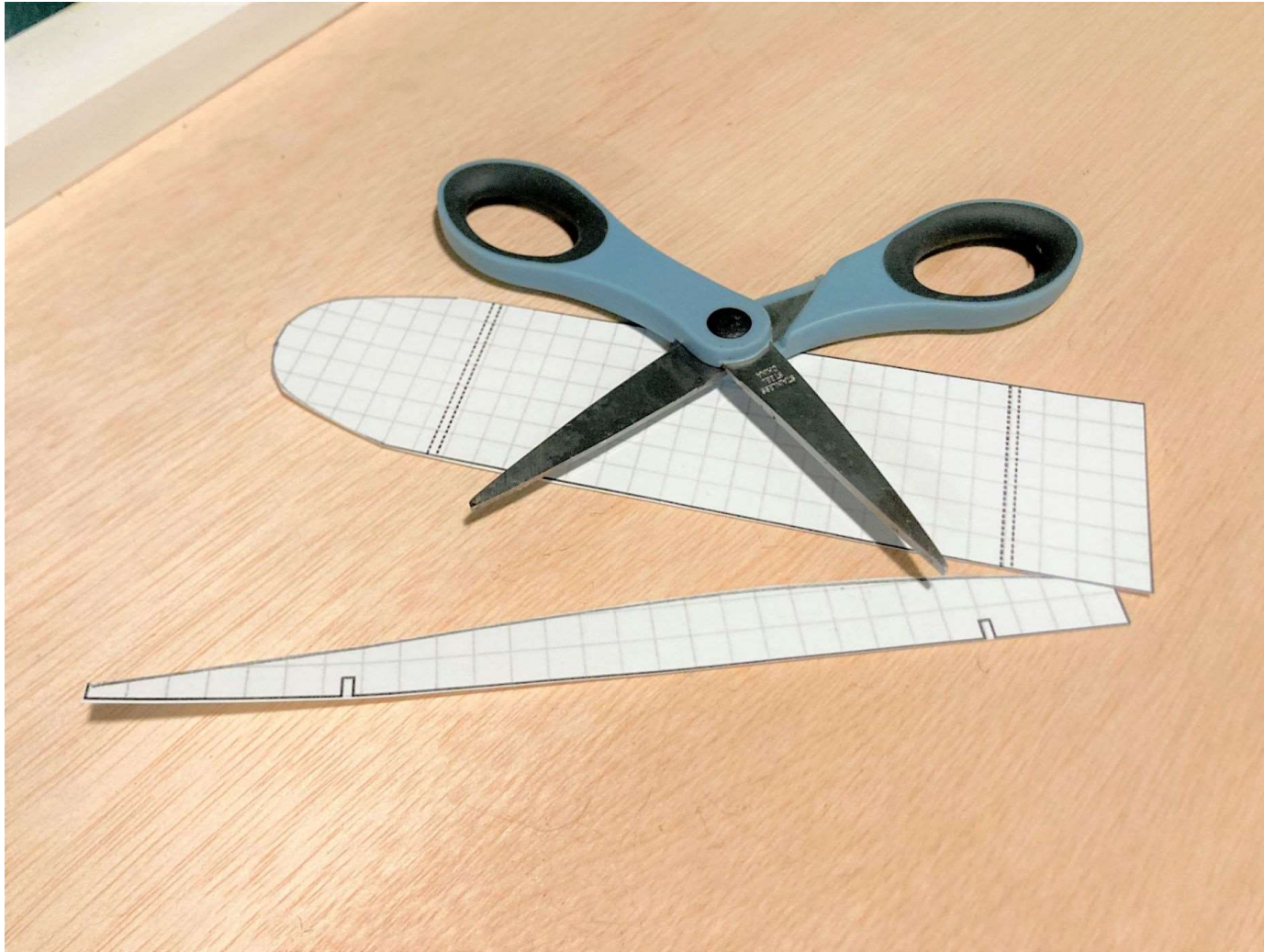
Drawing aids available at the Build-Day Workshop!

Template with Example Design



Use a design from any source or create your own design that meets the Rules.

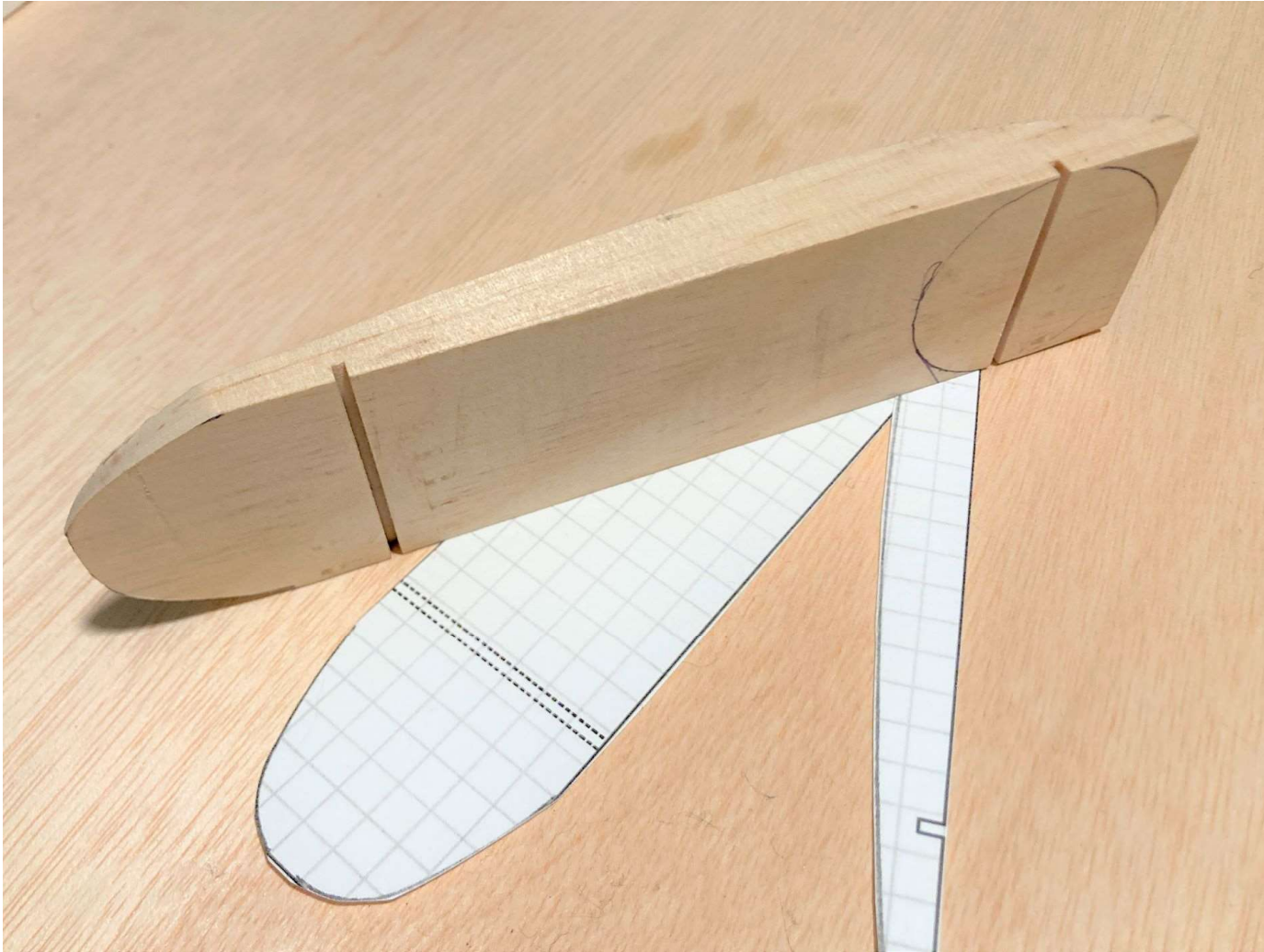
Cut Out Your Bottom and Side Views



Trace Views Onto Your Block w/ Pencil

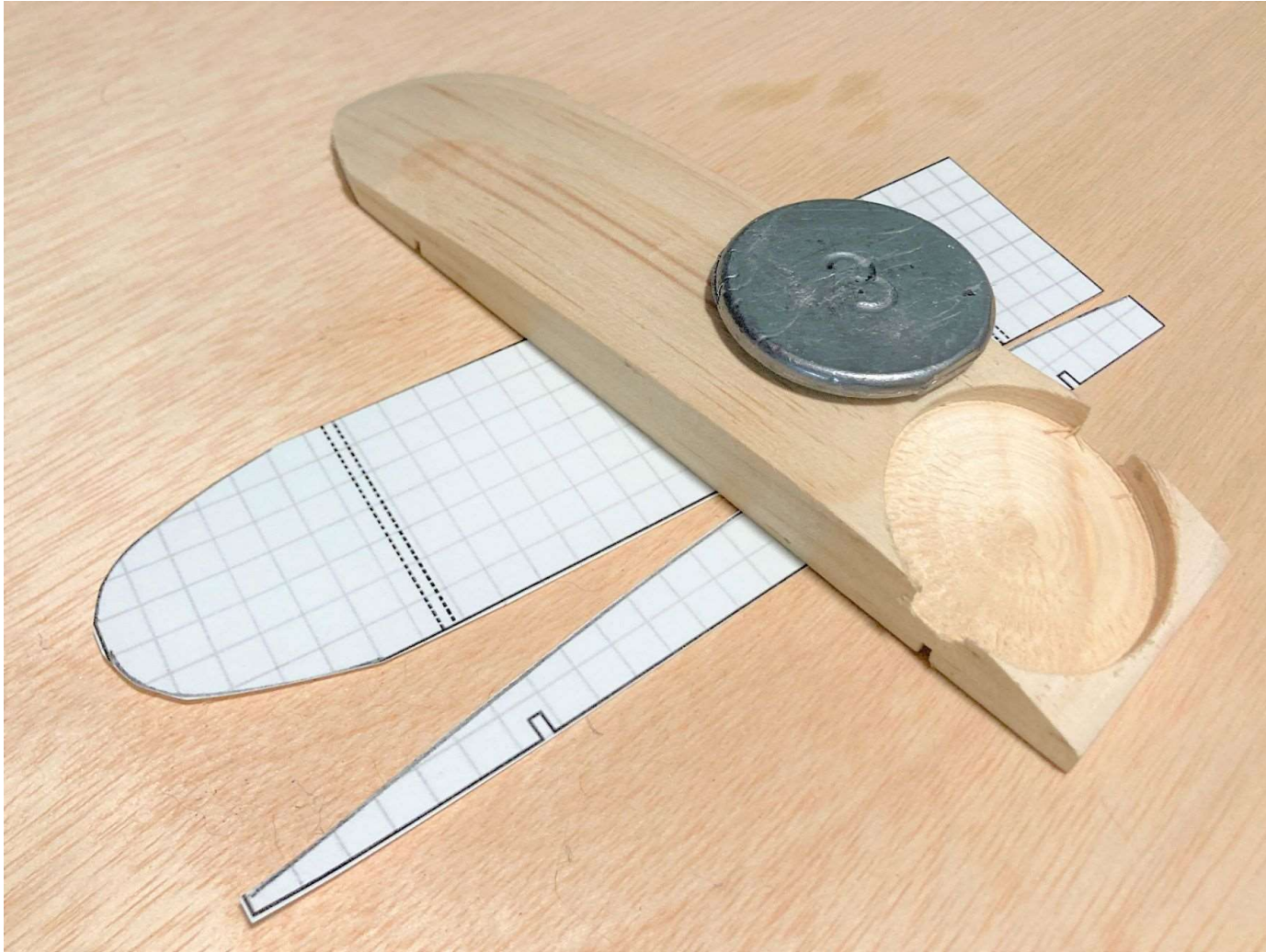


Cut Out Your Wooden Car



Help with wood cutting available at the Build-Day Workshop!

Optional: Add Pocket(s) for Weight(s)



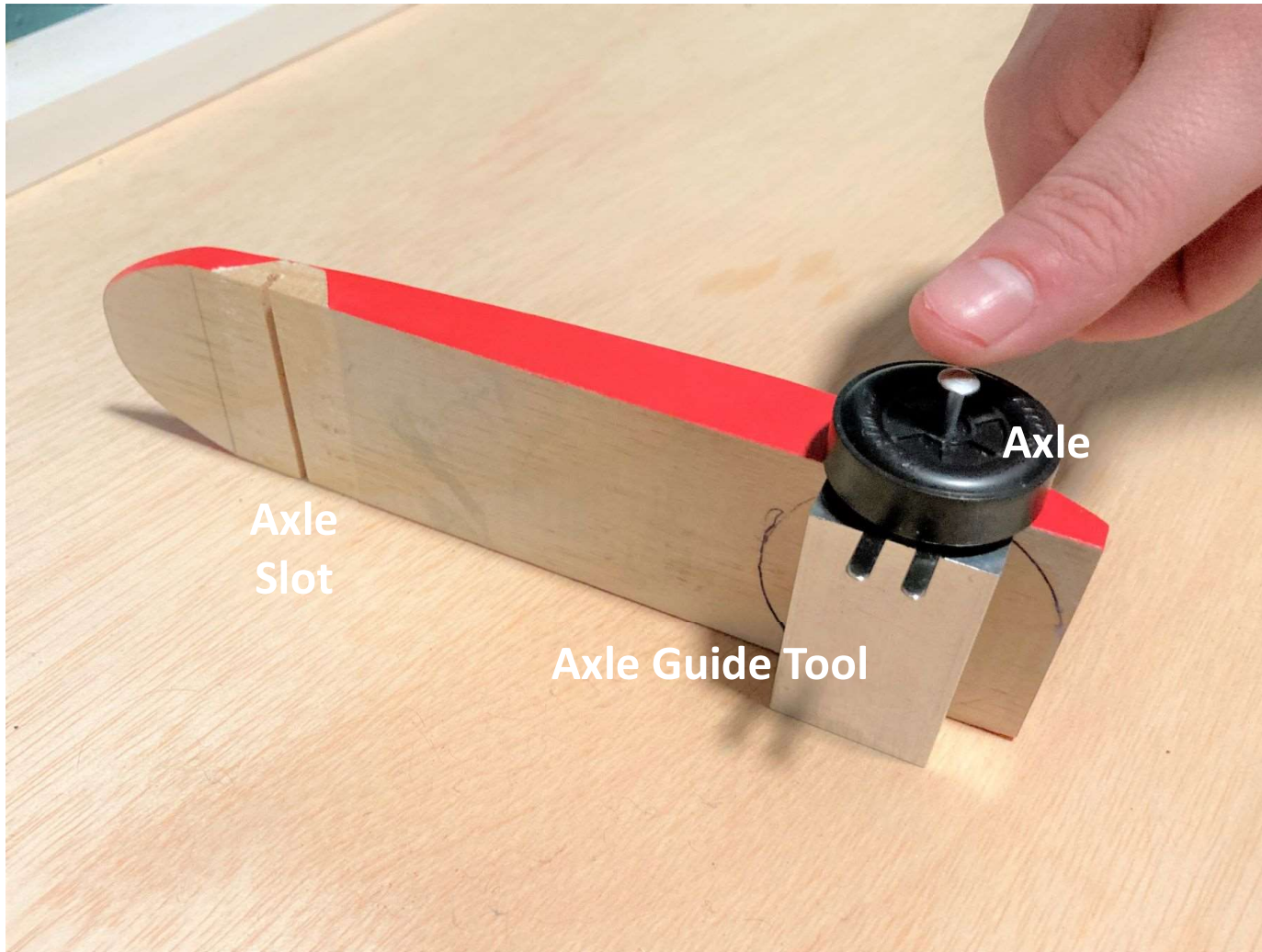
Weights and help with drilling available at the Build-Day Workshop!

Sand the Car Body, Paint & Decorate



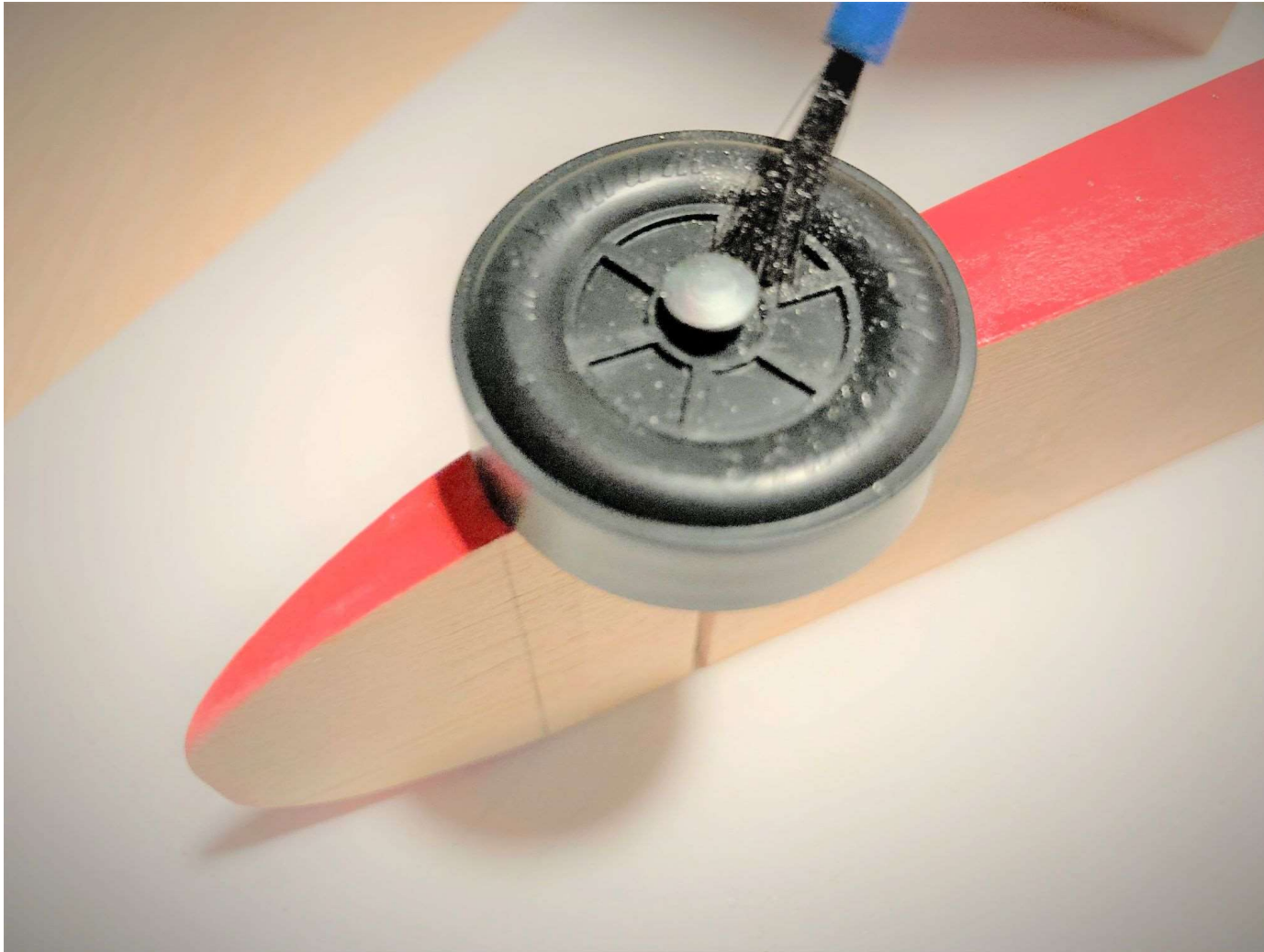
Sanding and painting supplies available at the Build-Day Workshop!

Insert the Axles to Attach Wheels



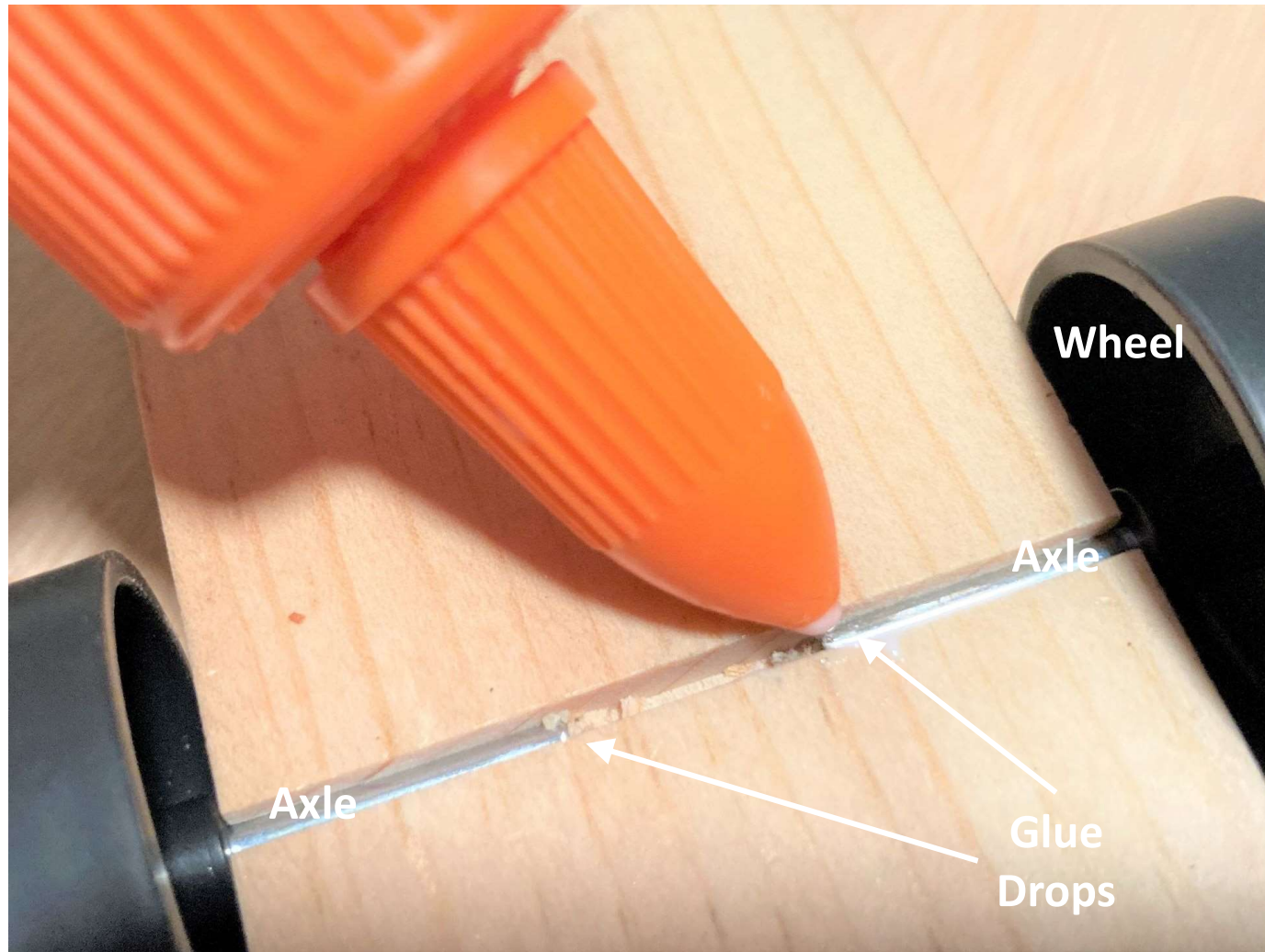
Axle Guide Tool available at the Build-Day Workshop!

Lubricate Axles & Clean Up



Dry lubrication (graphite) available at the Build-Day Workshop!

Optional: Secure Axle with a Drop of Glue



Keep glue and paint away from the wheels for best performance.

RACE READY!



Other Tips



Scan to Sign Up!

- **Sign up ASAP** to reserve a kit before race day.
 - <https://fbcwebster.churchtrac.com/connect?ei=HSTBVK8>
 - Contact PineCarGrandPrix@gmail.com for assistance or more information.
- **Review** the official rules sheet that comes with your kit before you start.
 - It has helpful hints on building the winning car!
- **Attend** the Build-Day Workshop for faster and easier building!
 - Bring along / use your own decorating supplies and make your car unique!
- **Start early!** Be creative & ask for help if needed!

Thank you for your participation in this year's Pine Car Grand Prix!