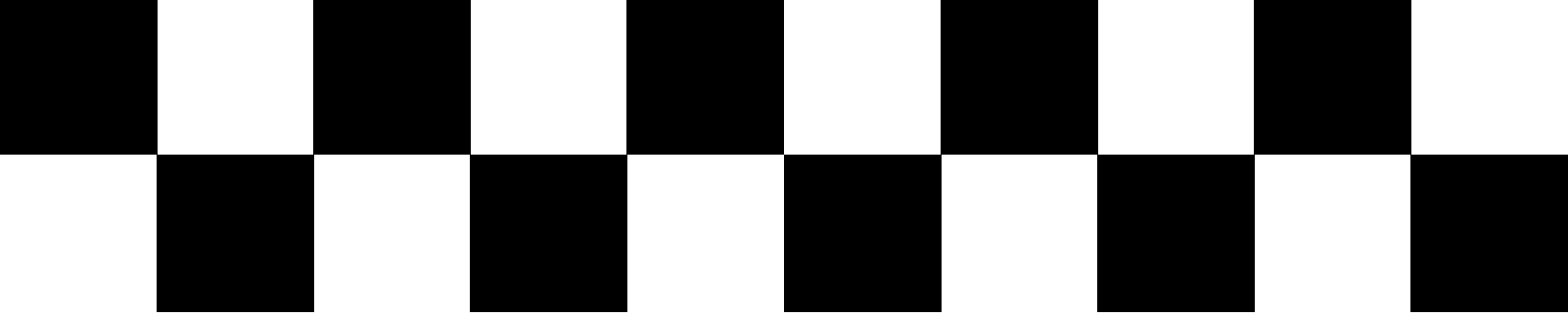


**BE A
PIT CREW
HERO**

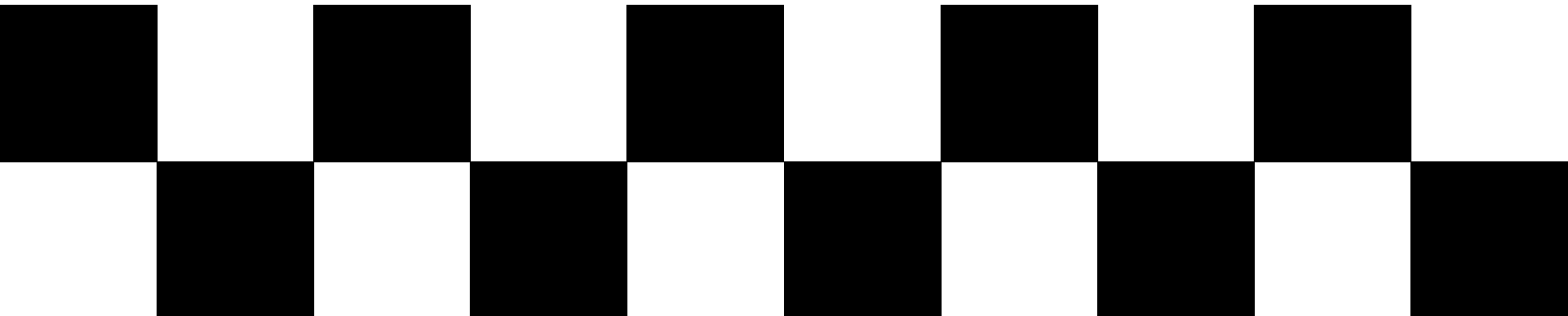


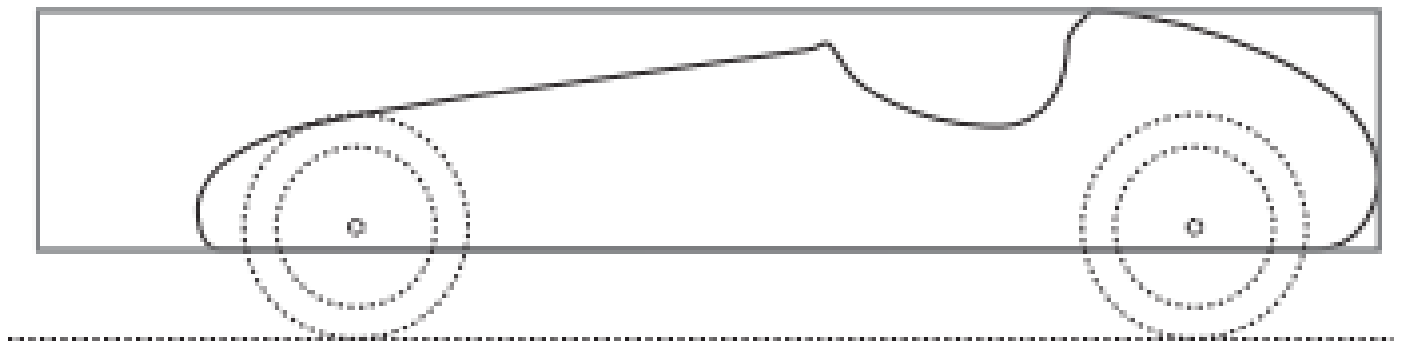
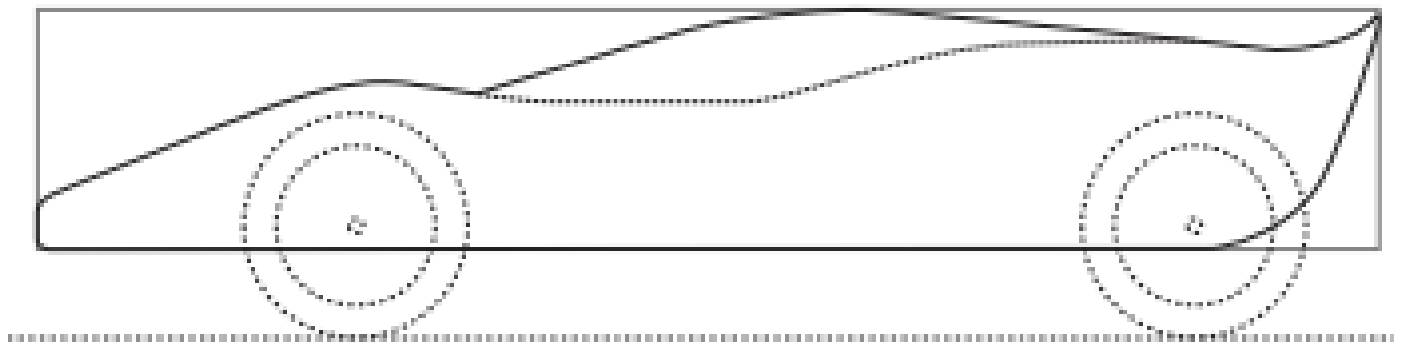
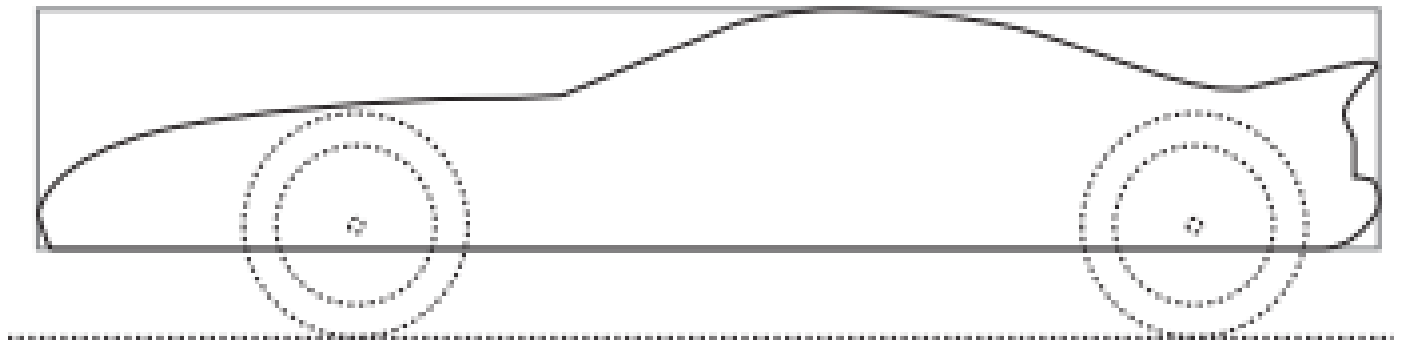
SCOUT ME IN™

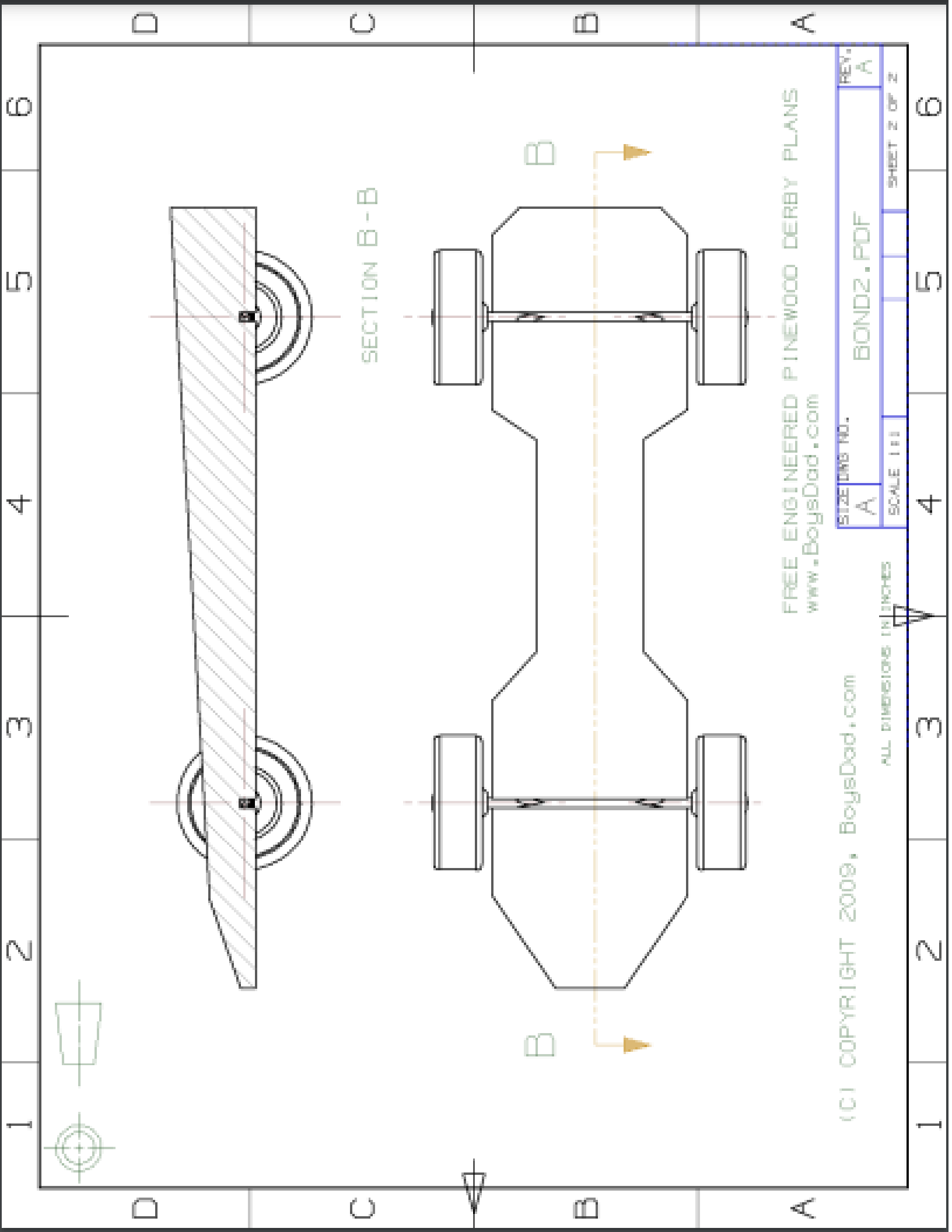


**This is a basic how to guide
to help your cub scouts
create and design their very
own Pine Wood Derby Car!**

In this guide:

- **Basic Body Shaping**
 - **Tool Options**
 - **7 Tips and Tricks to
legally increase speed**
- 





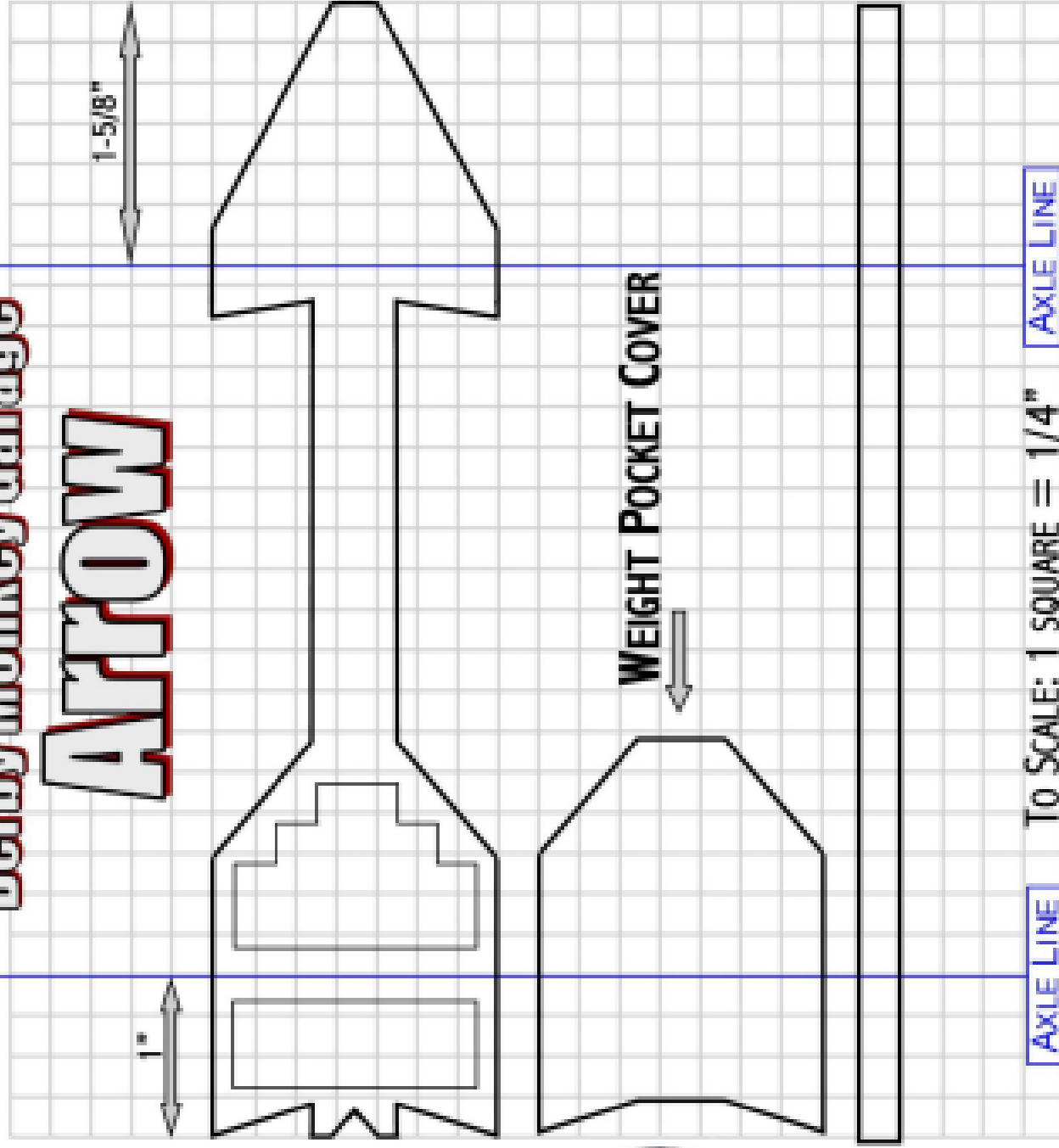
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SIZE/DWG NO.	A	BONDZ.PDF	REV.	A
SCALE	1:1			SHEET 2 OF 2

Derby Monkey Garage

Arrow

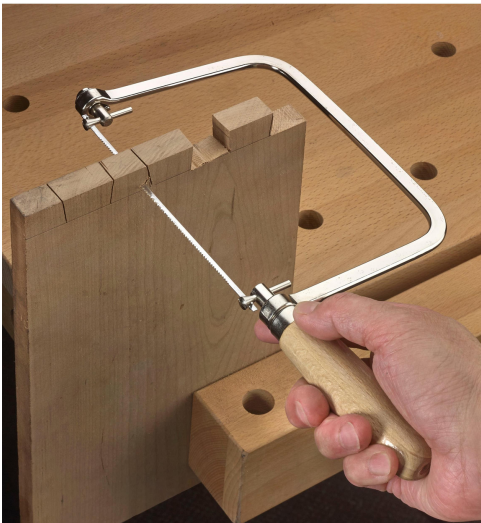


www.DerbyMonkeyGarage.com

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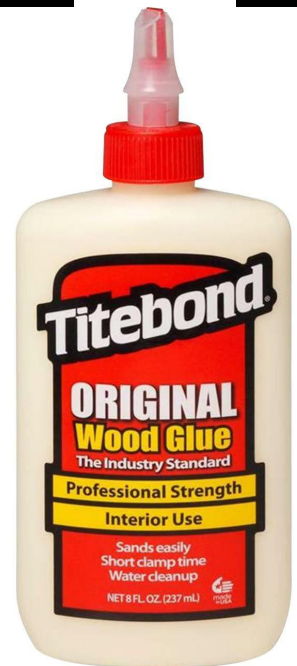
Tool Options-

- **Coping Saw & Clamps**
- **Bandsaw or Scroll Saw**
- **Sand Paper (Fine Grit)**
- **Power Sander**
- **Power Drill**

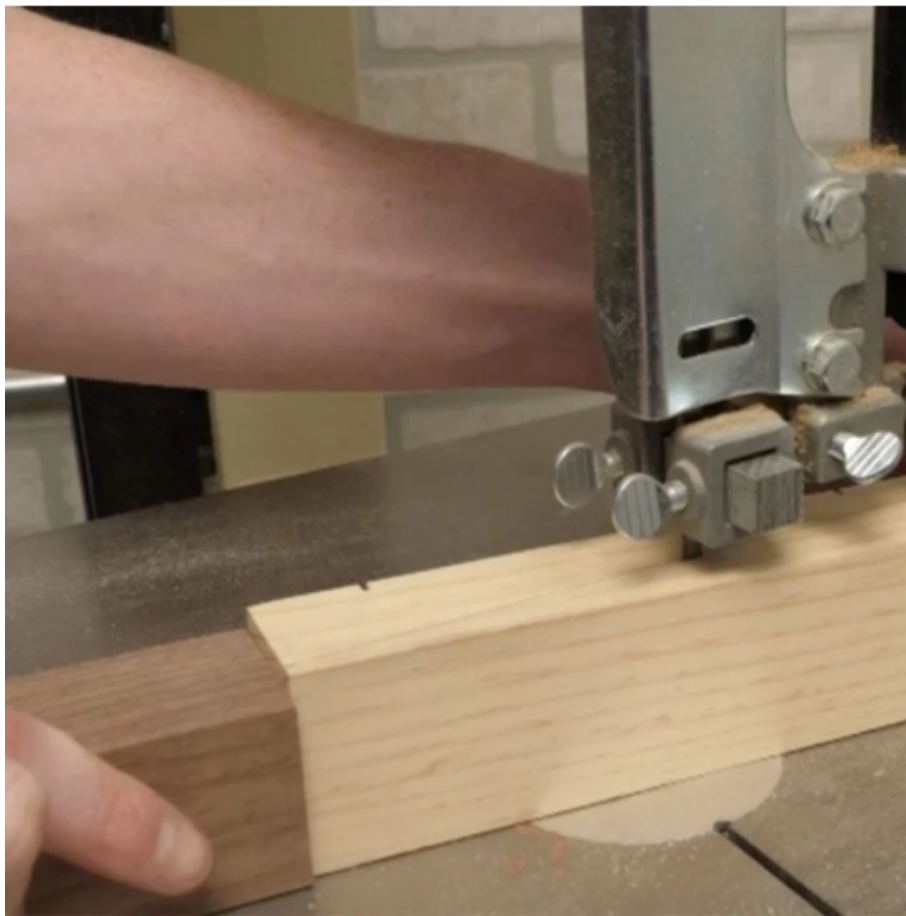


Other Supplies

- Wood Glue
- Paint (primer first)
- General Craft Supplies
- Powdered Graphite
- Stencils
- E6000 Glue
- weight material



1. No fancy shapes- Wedge



2. Weights- Tungsten Steel



3. Sanding Wheels- Mold ridges, same size, remove weight and perfectly round



4. Sanding Axle- smooth as possible



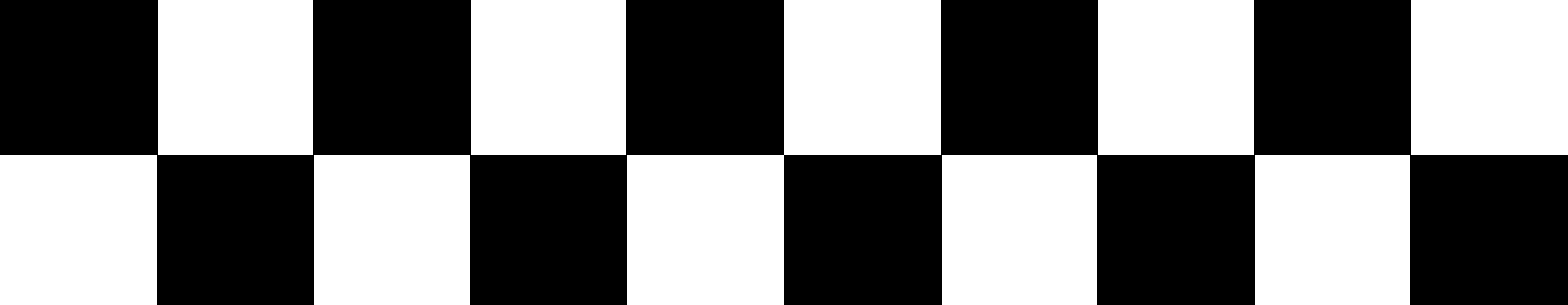
5. Powdered Graphite



**6. Ride on three wheels-
when gluing in your axels
(small nails), you are
required to have all 4 wheels
on the car but only three
actually touching the track**

7. Creating wheel wells





Lastly, HAVE FUN! Your cub scouts are able to enter cars in both show and race! Let them have creative control and use these tips and tricks to teach them lessons in aerodynamics and velocity. Their competitive spirit may be strong, grow or even just never really be there to begin with. This is OKAY! As a parent or leaders, if you want to exercise your scout racing competitive spirit, enter in the outlaw race!

