

The COWPAT trophy race is a competition event for home-made unpowered miniature wooden race cars, racing in a series of knockout heats, along a 10m long sloping track. This is similar to the PINEWOOD DERBY concept from the USA. Visit cowaramup.com.au for more details



COWPAT is the feature event at
Deja Moo
 AN UDDERLY LEGEND-DAIRY COUNTRY FAIR
 Saturday 13th July 2019 9am-2pm
 \$2 entry fee to compete
 1st prize \$100 cash
 Bring your completed car along to race
 or buy and decorate one on the day
 (subject to availability)

Cowaramup Open-Wheel Professional/Amateur Trophy (COWPAT)

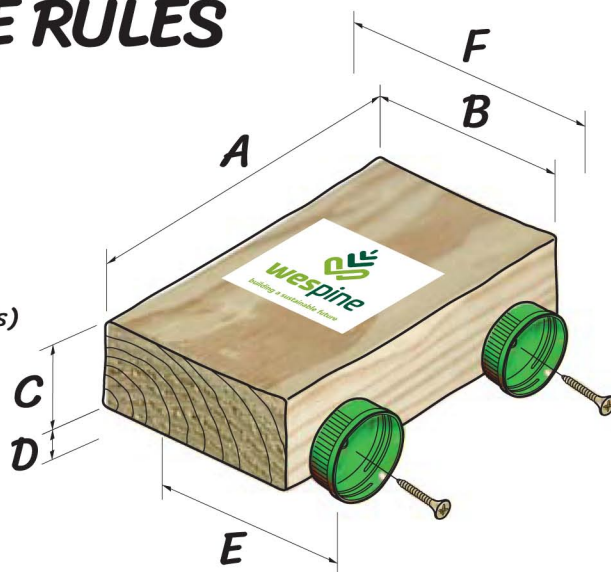
RACECAR COMPLIANCE RULES

CARS MUST ADHERE TO THE FOLLOWING DIMENSIONS TO FIT RACE TRACK.

| | |
|-------------------|------------------------------------|
| A = 18cm maximum | - OVERALL BODY LENGTH |
| B = 7.5cm to 12cm | - BODY WIDTH |
| C = 1.0cm to 9cm | - BODY HEIGHT |
| D = 1.0cm | - MINIMUM RIDE HEIGHT |
| E = 7.5cm to 9cm | - CLEARANCE BETWEEN WHEELS |
| F = 13cm maximum | - OVERALL WIDTH (including wheels) |
| G = 500 grams | - MAXIMUM WEIGHT |

HARDWARE REQUIRED :

- block of 90x45mm pine 180mm long
- 4 x milk bottle caps ø40mm
- 4 x plasterboard bugle screws 25mm x 6g



BASIC KITS ARE AVAILABLE IN COWARAMUP:

If you don't have access to these basic materials, or struggle with woodworking skills, two types of kits are available from MuKau Giftware in Cowaramup (while stocks last).

Basic kit as you see above = \$2 or High-Performance kit (with aerodynamic body) = \$5

CONSTRUCTION TIPS:

Any body design may be used so long as it complies with the dimensions stated above and was shaped from a 90x45x180mm block of pine. No hardwoods or composite materials.

Additional aesthetic components (eg. scoops, wings, driver etc.) may be added and paint or decals/stickers are encouraged. Creativity and imagination will be rewarded, yet the scrutineers decision to let the car race will be final, so don't try to push your luck too far. To be on the safe side, double check the dimension table above.

We suggest using a hole punch to make the hole in the milk bottle top (instead of drilling). You must attach the wheels with the screws specified, and may not use washers or bearings, yet a dry lubricant is permissible (eg. graphite, or white lithium grease, but please NOT oil).

The picture to the right is just to give you an idea of variety... these cars are from another race and used different dimensions. They also were not using milk bottle top wheels... but you get the gist. Your only true limitation is your imagination.



Good luck with building your race car and keep in mind that prizes will be awarded for originality and attention to detail (and some other things we haven't thought of yet) or just for making the judges laugh. See you on raceday at the COWPAT.

