

TOOL REQUIRED	DESCRIPTION / PURPOSE
Claw Hammer	Used to Hammer in Nails and remove nails.
Hand Saw	Used to Cut Wood to correct length.
Chisel	Used to cut grooves, slots and notches in Wood.
Hacksaw	Used to cut Metal (cut axles and steel pipe to length)
Electric Drill	Used to drill holes in Metal & Wood (drill holes in axles for split pins)
Various Drill Bits (HSS)	Drill Bits to drill holes in Metal (high speed steel)
Spanners / Adjustable Wrench	Used for tightening nuts and bolts.
Pliers / Vise-Grips	Used for Gripping and bending steel.
Screwdriver(s)	Used for screwing screws into wood.
Metal File	Used for Filing & Grinding Metal
Measuring Tape	To measure lengths of wood, metal etc.

TOOL OPTIONAL	DESCRIPTION / PURPOSE
Welder	Welder for joining Metal together.
Circular Saw (Skill Saw)	Cutting a Groove in the Front and Rear Axle Supports.



Tools Required

The table above lists the tools required to make this go-kart. It lists the minimal amount tools required. Most of the tools listed should be in your garage. If not, you might be able to borrow them from a neighbour or purchase them in a Hardware store. Other tools can be used to make tasks easier. I.E. an electric angle-grinder can be used instead of a Hacksaw and File. An electric screwdriver can be used, and a Socket Wrench can be used instead of spanners.

Tools Optional

A welder.

Although it is possible to make this kart without the use of a welder, it greatly reduces the time and effort required to make this kart. There are 3 parts of the rear axle which need to be joined together. Welding is the easiest option. If you don't have a welder or your neighbour doesn't have a welder, it would be possible for you to take the 3 parts to an Engineering / Metalwork company, or a High-school (which teaches metalwork) and get them welded. An alternative to welding these 3 parts will be outlined later in the plans.

A circular saw.

While it is most definitely possible to cut the groove / slot in the Front and Rear Axle supports using a Hand Saw and Chisel, having a circular saw, or getting someone to use it for you will save a few hours of work. Using a circular saw, making 4 saw cuts (with the depth of the saw blade set to 15mm) will remove the groove in minutes. This procedure will be outlined later in the plans.



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TITLE: TOOLS REQUIRED			
MATERIAL AS SPECIFIED		DATE: 17/10/2009	
FILE NAME: Main-Wooden-Kart-	SIZE: A4	REV. 1	
SCALE: 1:20	DESIGNER: STEPHEN BURKE	SHEET 5 OF 21	