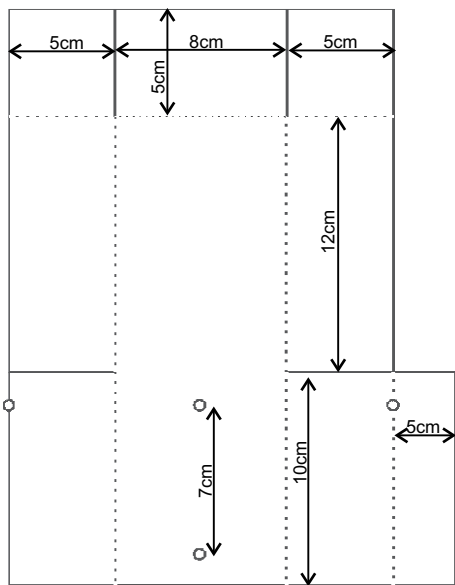


This little buggy is for the cardboard engineer. Everything except the axles (paper sticks) and paper fasteners can be made from stiff card similar to cereal box material. The body is fashioned from an A4 sheet, scored and folded as shown in the diagram below. Wheels can be cut, but any suitably sized card discs would be better

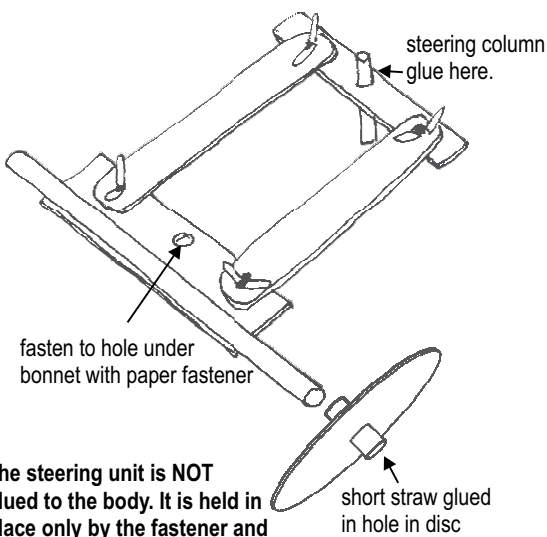


Begin by transferring the body plan onto a piece of card. The card thickness should be similar to the card which is used for cereal boxes. The dimensions shown are just a guide, but if they are used then the body can be cut from an A4 sheet. Cut along solid lines and score and fold broken lines. Punch 5mm diameter holes where shown.

STEERING UNIT This is a 'parallelogram' built from four card strips with brass paper fasteners at each corner. The distance between the holes in the side pieces should exactly match that between the holes in the body. The holes in the other two pieces should match each other - about 7cm apart. The front strip needs to be a little wider than the others to give room to fasten the front axle. This is secured to the front hole under the body with another paper fastener.

The rod shown fitted in the rear strip is the steering column. This 5mm diameter paper rod or dowel passes right through the kart's bonnet and is firmly **GLUED** to the steering unit. You will need some form of steering wheel, or handlebars, glued to the top of the column.

WHEELS The way shown is perhaps the simplest way to achieve independently rotating wheels. The problem of lack of thickness at the centre (or hub) is solved by inserting and gluing a short length of jumbo artstraw. This means that the centre hole in each disc will need to be enlarged to 6mm diameter. In keeping with the 'all-card' approach, the wheels are retained with card washers. For alternative wheels and fastenings see the section on wheels.



The steering unit is NOT glued to the body. It is held in place only by the fastener and the steering column.