



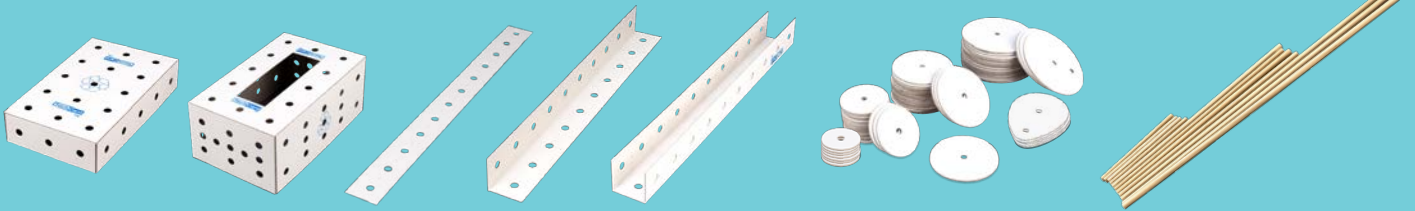
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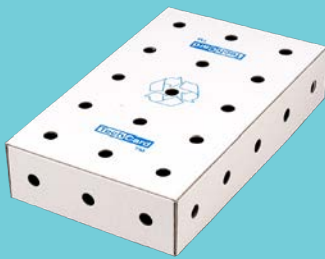
Parts

TechCard is a set of accurately made parts that you can cut, fold & glue to make simple moving models.

There are 5 structural parts, assorted wheels, discs and cams and wood dowel axles.



TechCard Base.



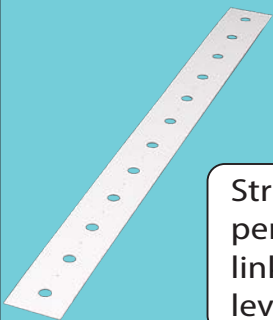
Bases fold and glue to form sturdy box shapes. They are perfect bases for models and chassis's for vehicles.

TechCard Project Base.



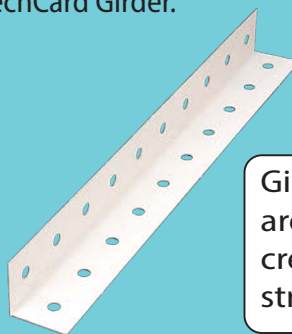
Project Bases form larger box shapes. They are ideal for making mechanical models using cams and pulleys

TechCard Strip.



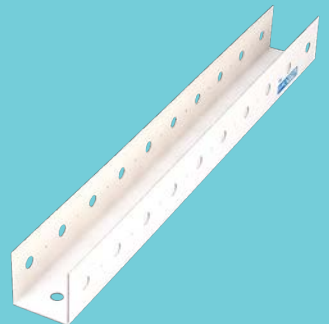
Strips are perfect for linkages and levers.

TechCard Girder.



Girders and Beams are designed for creating sturdy structures.

TechCard Beam.

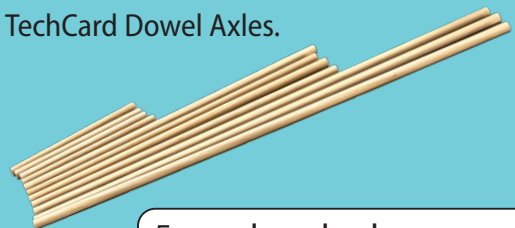


TechCard Wheels, Discs and Cams.



There are 25mm discs, 40mm, 50mm and 60mm wheels and 60mm cams. Some kits have wooden pulleys.

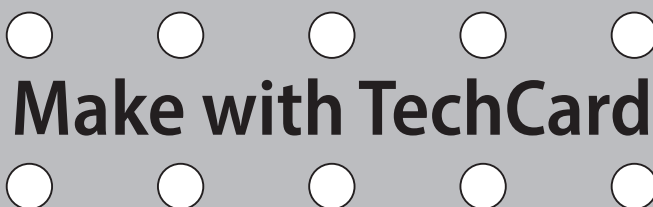
TechCard Dowel Axles.



5mm dowel axles are a push fit into wheels and discs but spin freely through girders, beams and bases.



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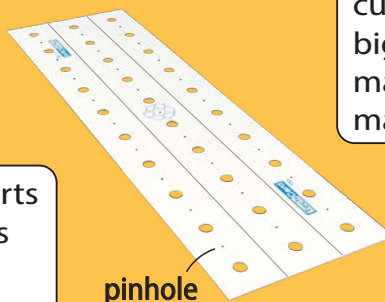
Cut

Tools.



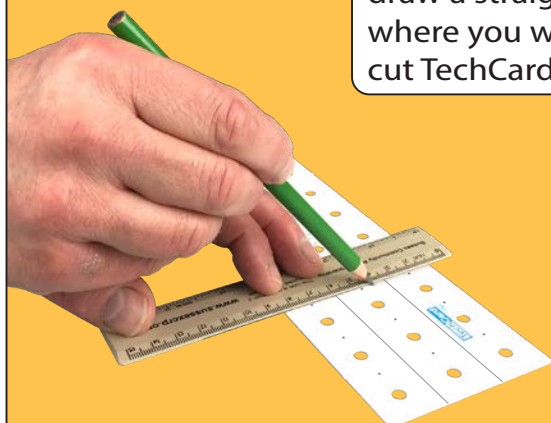
How to cut a TechCard Beam.

Most TechCard parts have tiny pinholes half way between the big holes.

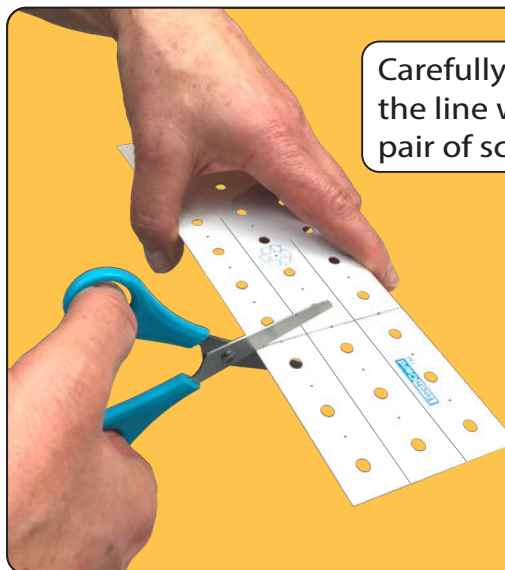


TechCard is nearly always cut half way between the big holes so the pinholes make TechCard easy to mark and cut.

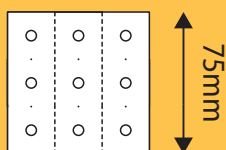
Use the pinholes to draw a straight line where you want to cut TechCard.



Carefully cut along the line with a good pair of scissors.

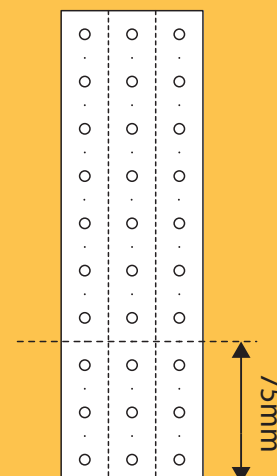


Parts are shown cut to size in the building instructions for each model.



Here is an example of a 75mm Beam.

To cut the 75mm beam, measure or count the holes and pinholes to find the right place to mark and cut.





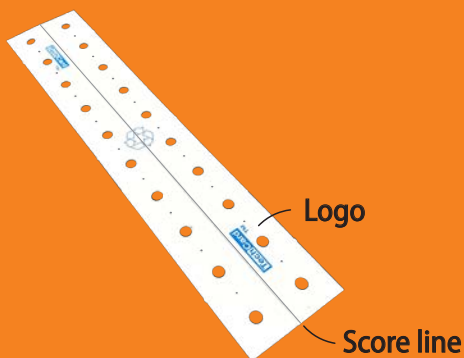
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Fold

How to fold a TechCard Girder.

TechCard is scored to make it easy to fold.



Before folding, turn TechCard over, so the logos are on the back.



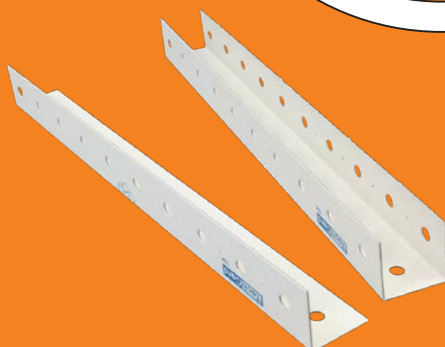
Fold the girder over as shown.



Then fold the girder back so that it is at a 90 degree angle.



TechCard is folded to a 90 degree angle which is often called a 'right angle'.



Folded TechCard should look like these examples.



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Glue

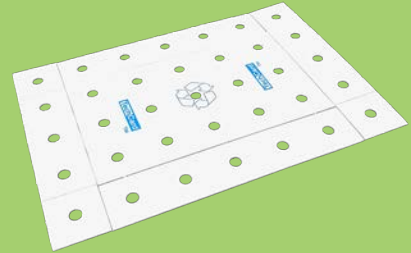
Glue.



A good quality children's PVA glue is recommended.

A small 100ml bottle with a nozzle will make lots of models and makes applying the glue easy.

How to glue a TechCard Base.



Begin by turning the base over so the logos are on the back.



Fold all the panels to get the base into shape.



Put a small amount of glue on each of the four tabs.



Use a piece of card to spread the glue thinly and evenly.



Fold the base and tabs together checking the holes in the tabs are lined up.



You can use paperclips as clamps while the glue dries.



It can be helpful to wait a moment for the glue to become 'tacky' before pressing the parts together.



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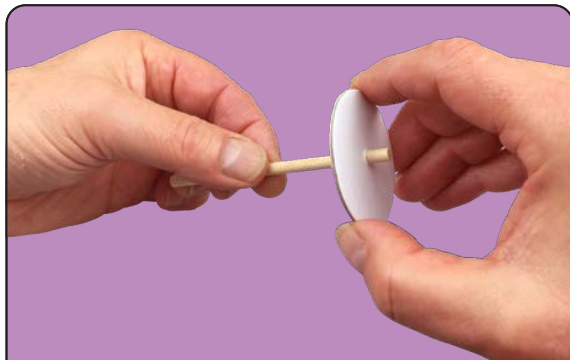
Make

How to make a simple vehicle.



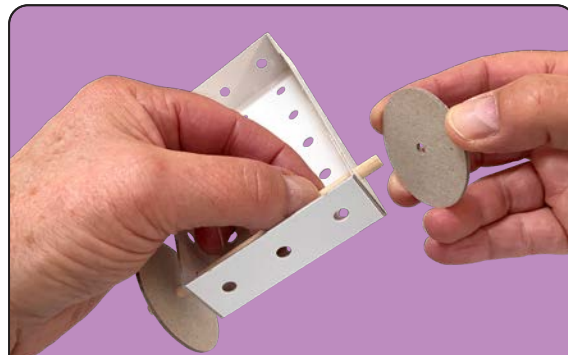
You will need one base, two 100mm axles and four 50mm wheels.

Check the axles turn easily in the holes. Widen the holes if needed.



Carefully fit a wheel onto the end of an axle.

TechCard axles are a tight fit into wheels, discs and cams but spin freely through the bases, beams and girders.



Pass the axle through the base and fit a second wheel.

Add the second axle and wheels in the same way.



Check the wheels are straight and in the right position and you can glue them in place.



Use other materials to make the vehicle your own.