

Design Technology Subject Knowledge Bank Year 2: Wheels & Axles

Vocabulary	Definition
Design brief	The plan for what you are going to make.
Dowel	A cylindrical rod usually made of wood
Chassis	The supporting frame of a structure.
Tools	An implement that you use for a particular purpose.
Axle	A rod that passes through the centre of a wheel and connects with another wheel.
Measure	To check the size of something
Finished product	The finished item that you have made
Assemble	To put together.

Wheels & Axles

- Wheels are joined by an axle.
- The axles are joined to the chassis.
- Axles must be measured carefully and of the same length
- There are many different types of vehicles.

How to use a saw to cut doweling?

- The wood must be held firmly using bench hook so it does not move around while you are sawing.
- A few little back strokes with the saw will create the initial groove to guide the saw going forward.
- It is important to keep the saw in a straight line otherwise it can jam.
- Keep your eye, arm and saw lined up.
- Once the cut is started, use a back and forward motion to cut right through.
- Try to get into a rhythm avoid using too much pressure.
- Let the saw do the work.

