

Design Technology Subject Knowledge Bank Year 3: Moving Vehicle

<u>Vocabulary</u>	<u>Definition</u>
Body	The main part of the vehicle is mounted on the chassis.
Designer	a person who plans the look or workings of something prior to it being made, by preparing drawings or plans.
Component	a part or element of a larger whole
Annotate	Add notes to a picture or text.
Sawing	Make rapid to-and-fro motions in cutting something
Improvements	A thing that makes something better or is better than something else

Key Skills

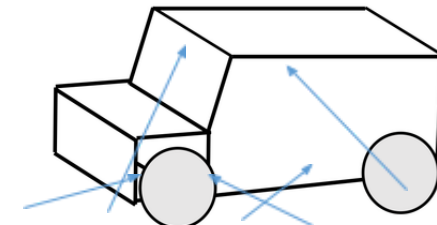
- Safe, accurate sawing involves keeping your arm straight and steadying the wood with your non-writing hand.
- Safe drilling - ensure wood is always horizontal and tight in the vice.
- Sanding - the smoother your sanding the less friction and nicer finish.

Vehicles

- A vehicle can be a car, bus, lorry, horse box etc
- Children often play with wooden block vehicles which are free running as they are robust, fairly cheap and easy to hold for small fingers.
- Parts of a vehicle, body, wheels, axles, body

Bronze

Design your vehicle for your audience and label the main parts.



wheel cab chassis axle body

Design Brief

A design brief identifies:

- What is to be designed
- Who is it for
- For what purpose

Design Brief

Your phone case should:

- appeal to boys;
- look colourful;
- include a drawing;
- hold a phone;
- protect my phone;
- include a pattern.

A design brief is a document or set of instructions for a design project. The design brief outlines what the purpose of the project is and instructions for what is required.

How to Use a Saw

- Fix the wood in a vice or clamp.
- Hold the saw with one hand.
- Place the other hand on the table, away from the saw.
- Start by pulling the saw back, before gently sawing.
- Try to keep the saw straight.

