

Design Technology - Controllable Vehicles Unit - Year 6 Autumn Term

Prior Learning

Y1 - Mechanisms: moving pictures
Y2 - moving vehicles
Y4 - structures

Vocabulary

Design brief - it outlines the most important factors to consider when starting a project.

Disassembly - to take something to pieces.

Template - a rigid piece of material used as a basis for constructing the body.

Chassis - the main part of the vehicle to which all other components are attached.

Body - the attached section that forms the shape of the vehicle.





Axle - the rigid circular rod that the wheels are attached to.

Evaluation - to judge how successful the final product is.

Jobs involving controllable vehicles



Processes

Measuring	
Cutting	
Gluing	
Attaching	

Design Process



Materials and Consumables

Dowling	Cardboard triangles
Square section wood	Low melt glue
sandpaper	Wooden wheels

Tools

Glue gun	
Junior hacksaw	
Clamp	
Mitre block	

Can I answer?

- Why do we 'disassemble' a finished product before we make our own?
- What is the purpose of a design brief? How does it help us?
- How and why are glue guns used?
- How is the construction of the chassis different to how the wheel assembly is constructed?