## 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.

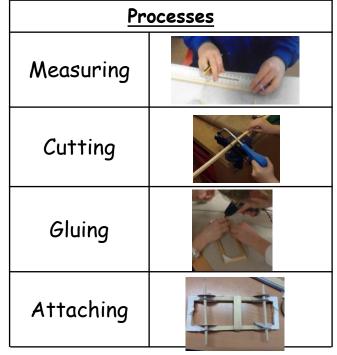
Chassis - the main part of the vehicle to which all other components are attached.

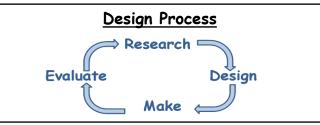
**Body** - the attached section that forms the shape of the vehicle.

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

**Evaluation** – to judge how successful the final product is.

Jobs involving controllable vehicles
MECHANIC DESIGNER  ARCHANICAL ENGINEER  ARCHANICAL





<u>Materials and Consumables</u>		
Dowling	Cardboard triangles	
Square section wood	Low melt glue	
sandpaper	Wooden wheels	

<u>Tools</u>	
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?