

DT Knowledge organiser - Mechanism and Structures Moving Vehicles

Key Vocabulary

Wheel	Wheels are circular objects that roll on the ground helping vehicles and other objects to easily move
Axle	A rod on which one or more wheels can rotate, either freely or be fixed to and turn with the axle.
Axle holder	the component through which an axle fits and rotates
Chassis	The frame or base on which a vehicle is built.
Friction	Resistance which is encountered when two things rub together
Dowel	wooden rods used for making axles to hold wheels.
Design	A plan for the construction of an object or system that has a purpose.
Evaluate	Judge the quality and effectiveness of a product



Skills

- Decide on simple design criteria and communicate ideas through talking, drawing and labelling.
- Choose suitable materials for the wheels, body and additional features of a vehicle
- Know, and explain how to, join materials to make a moving vehicle with a chassis, wheels and moving axles
- Use tools and equipment safely and correctly e.g. scissors, glue, saw, tape
- Evaluate a product against its design criteria

WHEELS AND AXLES

