

DT

Cars/Transport

Year 2

What I should already know

- Different forms of transport all have wheels so that they can move. (See Y2 History Transport)
- Choosing the correct material based on it's properties. (See Y1 Science Materials)

Technical Knowledge and skills

- Evaluate a range of existing vehicles.
- Experiment with a range of materials and techniques to combine wheels, axles and chassis.
- Design a vehicle to include wheels, axles, chassis and bodies .
- Discuss their designs and say what they think and feel about them.
- Use a variety of materials and tools safely and effectively to create a vehicle.
- Identify ways in which they could improve their products and amend accordingly.
- Evaluate a finished product by identifying what they did well and what could be improved.



Sticky Knowledge

Identify a variety of different types of vehicles .

Identify the main features and uses of a variety of vehicles.

Describe which materials and tools they will need to make their vehicles.

Know that there are two different ways of attaching wheels to axles.

Identify different ways of combining materials to create the body of a vehicle.

Identify different ways of decorating the body of a vehicle using ICT (creating logos etc)

Vocabulary

Vehicle	A thing used for transporting people or objects from one place to another.
Wheel	A circle shaped object that revolves around an axle to help it to move.
Axle	A rod that passes through the middle of a wheel.
Chassis	The base frame of a car or vehicle.
Body	The physical structure.
Evaluate	Judge against a set design criteria.
Mechanism	A system of parts working together in a machine.
Stiffen	Make or become stiff or rigid.
Stable	Not likely to fall.
Assemble	Put together to create a product.
Function	The purpose of an object.