CBS Knowledge Organiser

Year: 1

DT – Moving vehicle

What I already know

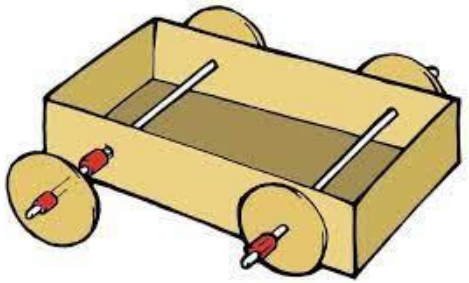
- There are different types of vehicles e.g. cars, vans, truck, etc.
- Vehicles move along roads.
- Vehicles help people to get to places.
- Know how to join and combine materials.
- Know how to make simple vehicles from construction kits such as Lego and Mobilo with moving wheels.

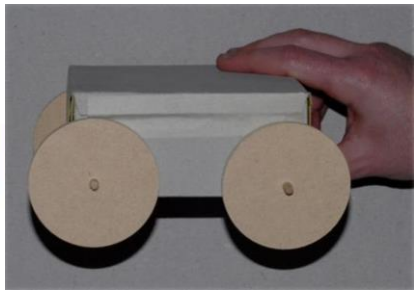
New information/knowledge

• A moving vehicle needs an axle with wheels.
• The axle is a rod which goes through the centre of the wheel to make them turn.
• Movement can be made by fixing the wheels to the axle and allowing the axle to spin.
• A chassis is the framework which attaches the wheels to the body of the vehicle.

Overview of unit:

Children will Design, Make and Evaluate a moving vehicle. They will begin the design stage by investigating different vehicles, their purpose and their features. They will then move onto investigating axles and how they work most effectively. They will then design their own moving vehicle, taking inspiration from their investigating. Once they have designed their vehicle, they will make it using their design to support them. After the making stage, comes the evaluation stage. Children will evaluate what went well and what they would improve on next time.









Key Vocab

Word	Definition
Vehicle	A machine to move people and things.
Movement	The act/process of moving and changing place/position.
Body	The outer shell of a car.
Wheel	Disc or circle shaped mechanical device.
Axle	A rod passing through the middle of a wheel.
Chassis	The base frame of a wheeled vehicle.
Joining	To put or bring together.
Combining	To put of bring together as a whole.
Connecting	The act of linking together.
Doweling	The joining of two pieces of wood using dowels.