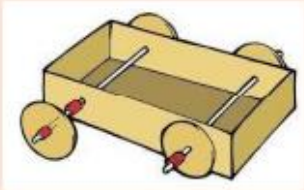


## Parsonage Farm Nursery and Infant School

Year 2

Design and Technology - Vehicles

Spring 1 -Mechanisms



### Knowledge

- ❖ Mechanisms are the parts that make something move
- ❖ Most objects that are in our lives are made up of different mechanisms
- ❖ Wheels and axels are mechanisms that make things move
- ❖ Wheels are circular objects that roll on the ground, helping vehicles and other objects to easily move
- ❖ Axels are rods that help wheels to rotate. The wheel can either rotate freely on the axel, or be attached to (and turn with) the axel.
- ❖ The chassis is the frame or base on which the vehicle is built.

### Safeguarding

- ❖ Follow teachers cutting instructions carefully.
- ❖ Tie back long hair.
- ❖ Walk safely and calmly around classroom.
- ❖ Hold scissors round the closed blades, facing down.
- ❖ Keep work area and floor space clear.

### Prior Knowledge

- ❖ Assembled vehicles with moving wheels using construction kits.
- ❖ Explored moving vehicles through play.
- ❖ Gained some experience of designing, making and evaluating products for a specified user and purpose.
- ❖ Developed some cutting, joining and finishing skills with card.

### Skills

- ❖ Measure and cut with accuracy.
- ❖ Use hand tools safely and appropriately.
- ❖ Assemble, join and combine materials.
- ❖ Use a range of tools and equipment to perform practical tasks accurately.
- ❖ Select and use tools suitable for the task, explaining their choices.
- ❖ Use appropriate finishing techniques which are suitable for the product they are creating
- ❖ Evaluate their finished product against the design criteria.

### Key Vocabulary

- ❖ vehicle
- ❖ axel
- ❖ wheel
- ❖ axel holder
- ❖ dowel
- ❖ chassis
- ❖ friction
- ❖ design
- ❖ make
- ❖ evaluate
- ❖ mechanism

