



Design and Technology – Year 2

Autumn 1 – Design, make and evaluate a small-wheeled trolley that will carry tools for use in the school

In Design & Technology I have already learnt:

I made my own templates, measuring, marking and cutting out. I joined paper and card, using temporary fixing materials such as paper fasteners and permanent fixing materials such as tape and glue. I learnt how freestanding structures can be made stronger and stiffer. I developed my knowledge of using simple fixing materials to join sheet materials.

Design, make, evaluate, user, purpose, ideas, design criteria, product, function, Mechanism, Pull, push, up, down, straight, curve, backwards and forwards, Card, masking tape, paper fastener, join
Cut, fold, fix, structure, tower, framework, weak, strong, base, thinner, thicker, straight, curved

I understand the movement of simple mechanisms including wheels and axles

I know different ways to make axle holders.

I can distinguish between fixed and freely moving axles

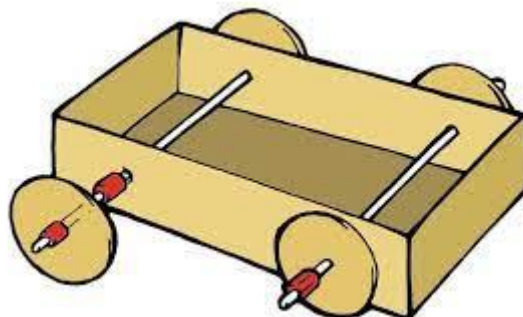
I can join paper and card using permanent fixing materials such as masking tape and glue.

I can:

- *Generate my own design ideas
- *State the purpose of my design
- *Select from a range of tools and equipment
- *Use the correct technical vocabulary
- *Make simple judgements about my product and suggest how it could be improved.
- *Follow procedures for safety.

New Design & Technology words:

Vehicle, wheel, **axle**, **axle holder**, **chassis**, dowel, **body**, cab, Assemble, shape, finish, free, moving, mechanism



A model with clear wheels, axels, axel holders and chassis