

Key vocabulary

Moving	This is the products ability to create motion. This could be wheels turning or a door opening.
Mechanisms	This is where two or more parts work together to make it move.
Lever	This is where you press a part that causes a shift in the product, allowing it to move.
Materials	These are the chosen items used.
Evaluate	This is where you look at how well the product did.
Improvements	This is the ability to change and make the product better.
Joining	This is where we put two things together and fix them in position so they do not come apart.

Process

Investigate	We will begin by exploring different materials and investigating the use of each one. Looking at the structure and shape of different modes of transport. We will begin to explore a range of resources such as: newspaper, sticks, bricks, straws, plastic cartons and cardboard. This process will allow us to develop an idea for our design.
Design	We will use our prior knowledge of investigating to inform our design. We will highlight the resources needed to ensure that the transport we create can move.
Make	During the making process we will be cutting, gluing, joining and using a variety tools to create our mode of transport.
Evaluate	This is the final step in the process where we look at the making of the transport and the final product and discuss how effective it was. We then use this to identify the changes we could make.

Objectives

- design purposeful, functional and appealing products for themselves and other users based on design criteria
- generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology
- select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]
- select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics
- explore and evaluate a range of existing products
- evaluate their ideas and products against design criteria
- build structures exploring how they can be made stronger, stiffer and more stable
- explore and use mechanisms [for example, levers, sliders, wheels and axles] in their products.

Transport

