

DT – Linkages & Levers (Y3&4)

Key Vocabulary	
Mechanism	A mechanism contains components which are connected together to make movement.
Motion	The movement of a part within a designed object.
Pivot	A central point (or pin) which can make a mechanism turn.
Lever	A rigid bar (or strip of card) which rests on a pivot. It can move in a curved and straight line.
Linkage	A mechanism made by connecting together levers around a pivot to produce the type of movement required.
Input	The movement of the main lever by the user.
Output	The movement that is create as a result of the input
Design Brief	A set of instructions that outlines what needs to be designed and made.

The Design Process				
Design Criteria	Generating Ideas	Prototype	Make the Product	Evaluation
Tells you what a product must do to be successful.	Exploring different products and how they could be adapted. Creating an annotated sketch of your idea.	The first example of what the real product will look like. It is used for testing, development, and evaluation.	Using annotated sketches and prototypes to help create your product.	Checking that the product meets the design criteria and has achieved its purpose

