



Knowledge Organiser

Year 3— Mechanisms



What is a lever and how does it help us move heavy objects?

Vocabulary	
Audience	the people reached
develop	to bring out the potential of; advance to a more complete or more effective condition.
sketches	a drawing or painting that was done in a hurry or without detail. Sketches are sometimes done to prepare for later work.
prototype	an original model on which later stages or forms are based or developed.
Pattern piece	an arrangement of shapes, a section or part separated
design	to plan for a certain goal or purpose.
accurate	careful and precise.
Aesthetic qualities	having to do with beauty
Applique	decorated with cut-out pieces of another material that are stitched on or otherwise applied.
Fastener	device that joins together or fastens.

What should I already know?
EYFS – simple mechanisms, simple structures
Year 1 – leavers
Year 2 – wheels and axels

What will I know by the end of the unit?
Children will design and make a puppet or a leaver book/toy using linkages and leavers to make it move.



Notable Inventor
Ramon Llull—was a philosopher, theologian, poet, missionary, and Christian apologist from the Kingdom of Majorca. He invented the first pop up book which was more of a machine than a book.

Henry Ford—was an American industrialist, business magnate, founder of the Ford Motor Company, and chief developer of the assembly line technique of mass production.

The Greek Polymath Archimedes— was a Greek mathematician, physicist, engineer, astronomer, and inventor from the ancient city of Syracuse in Sicily.