

Knowledge Organiser

Year 5 — Mechanisms

How do forces make things

move?

things



Vocabulary People reached by televi-Audience sion, radio, newspaper or magasines A quick or rough design, Sketches outline or draft Prototypes The original model on which later stages or forms are based or developed Investigate To look into carefully and closely so as to learn the facts, examine. To note similarities or Compare differences CAMs Computer-aided manufacturing—use of software and computercontrolled machinery to automate a manufacturing process A rigid bar resting on a Levers pivot used to move a heavy or firmly fixed load Linkages A series of rods that are connected to transmit motion

What should I already know?

EYFS – simple mechanisms, simple structures

Year 1 – leavers

Year 2 – wheels and axels

Year 3 – leavers and linkages, free standing structure

What will I know by the end of the unit?

Children will design and make a mechanism that uses CAMS to create movement.

Notable Inventor— Henry Ford 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. By creating the first automobile that middle-class Americans could afford, he converted the automobile from an expensive luxury into an accessible conveyance that profoundly impacted the landscape of the 20th century.

