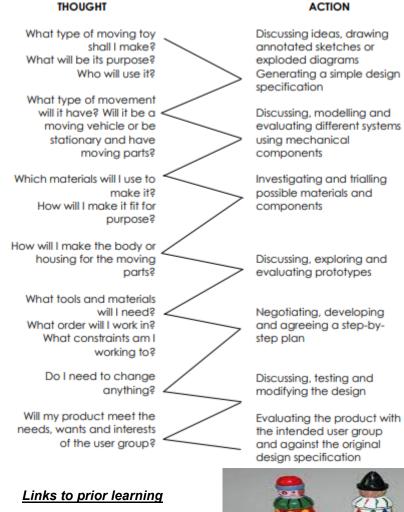
Design & Technology Knowledge Organiser

Year 5 — Mechanical systems—Cams



Experience of levers and linkages. Basic understanding of different types of movement. Experience of cutting and joining techniques with a range of materials including card, plastic and wood. Experience of using tools such as saws, bench hooks and glue guns.

ACTION



Glossary

- Rotary motion movement that goes round.
- Oscillating motion moving to and fro around a pivot point, as in a lever.
- Reciprocating motion backwards and forwards movement in a straight line, as in a slider.
- Cam a mechanism that changes one sort of movement to another. Cams can be an off-centre wheel or a specially shaped wheel.
- Follower the device that follows the movement of the cam; a lever or a slider.
- Lever a piece of rigid material that moves to and fro around a pivot point creating oscillating motion.
- Slider a piece of rigid material that moves backwards and forwards in a straight line creating reciprocating motion.
- Guide a piece of material used to guide the movement of another.
- Spacer a piece of material used to create extra space to allow moving parts to move freely.

