

Year 5 Spring Term – Mechanics - Cams



Product, User, Purpose

Product: A Victorian toy

User: A child visiting a museum

Purpose: To replicate the play experience that a Victorian child would have for a child living today.

DT Strand:

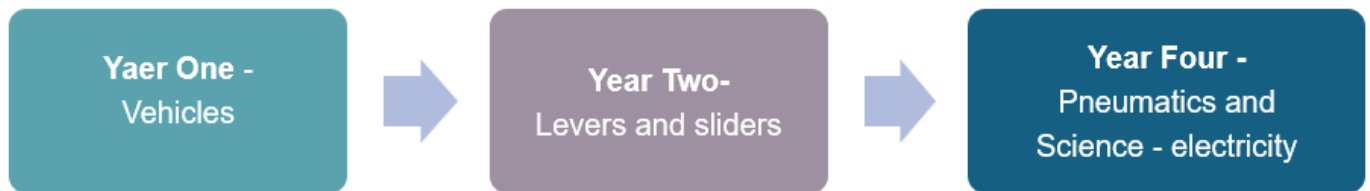


Mechanics



Construction

DT Connections – Linked Prior Learning



Vocabulary:

Mechanics:

Crank	Handle	Egg cam	Off-centre Cam
Peg cam	Snail cam	Follower	Slide
Precision	Rotary motion	Oscillating motion	Reciprocating motion
Lever	Slider	Guide	Spacer
Features			

Construction:

Wooden bench hook	G clamp	Hacksaw	Fit for purpose
Diagonal	Horizontal	Vertical	Specification/spec

The Teaching Sequence



Design Brief



Vocabulary



Investigate



Design



Plan



Make



Evaluate

