

# DT Concept Map

## Year 3

### Mechanisms



Quick Summary: The children will work in teams to produce a pop-up book using levers. Each child will produce their own page to add to the book. The book will have a target audience of reception aged children with a theme of circus acts.

Design inspiration: Inspiration from History.

Jan Pienkowski's Haunted house

<https://www.youtube.com/watch?v=J6efLttQ0T4>

Each page will be inspired by circus acts.



knife throwing act



ticket booth



magician



stilts



tightrope walker



juggler



circus ring



trapeze artist

Career aspirations: Mechanic, engineer, mechanical engineer, bio-mechanics, technician, aerospace industry, construction industry, civil engineer,

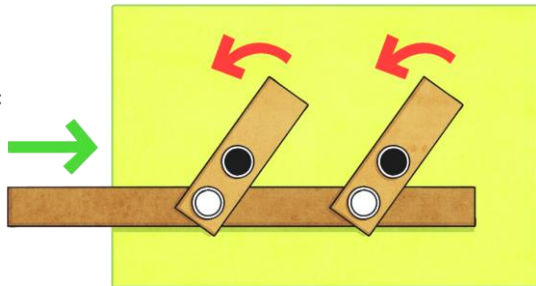
Vocabulary:

Mechanisms, inputs, outputs, strengthen, loose pivot, fixed pivot, linkage, lever, pulley, gears, rotation, switch, fastener,



Technical knowledge

Output



Mechanisms have inputs and outputs



Design inspiration



Practical knowledge



Design process



Design inspiration



Practical knowledge



Technical knowledge