

Suggested prior learning [Mechanisms: Making a moving story book](#)

Intended outcome of the unit

Pupils who are **secure** will be able to:

- Identify the correct terms for levers, linkages and pivots.
- Analyse popular toys with the correct terminology.
- Create functional linkages that produce the desired input and output motions.
- Design monsters suitable for children, which satisfy most of the design criteria.
- Evaluate their two designs against the design criteria, using this information and the feedback of their peers to choose their best design.
- Select and assemble materials to create their planned monster features.
- Assemble the monster to their linkages without affecting their functionality.

Key Vocab

axle
design criteria
input
linkage

mechanical
output
pivot
wheel

Unit specific links:

[Knowledge organiser: DT - Y2 Moving monster](#)

Week 1

Week 2

Week 3

Week 4

[Lesson 1: Pivots, levers and linkages](#)

[Lesson 2: Making linkages](#)

[Lesson 3: Designing my monster](#)

[Lesson 4: Making my monster](#)

Suggested Next Steps

[Mechanical systems: Pneumatic toys](#)