

Design and Technology – Moving Mechanisms

Design Technologists design products to fulfil design criteria.	Make Technologists use a variety of tools and methods to accurately make a product.	Evaluate Technologists accurately evaluate the strengths and weaknesses of their own and others' products.	Technical Knowledge Technologists use wider technical knowledge to inform the design, make and evaluate process.
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What should I already know?



Photo Frames



Joining Fabrics



Design Transformation

Key Designer

David Hawcock

David Hawcock has designed and engineered many successful pop-up titles, including Journal of Inventions: Leonardo Da Vinci and The Amazing Pull-Out Pop-Up Body in a Book. He appeared on Dragon's Den last year to showcase his designs.

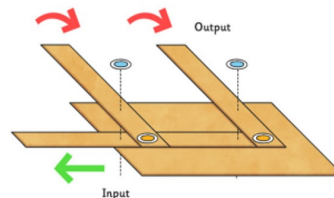


Existing Products



What am I going to learn?

You will be creating your own design and choosing from two different Linkage and lever systems.



Key Vocabulary	Definition
Lever	A bar used to pry or move something.
Pivot	The central point, pin, or shaft on which a mechanism turns
Moving Mechanism	A set of moving parts that work together to make something happen
Fixed pivot	A fixed pivot that joins systems
Product	Something that is manufactured
Diagram	A simplified drawing showing the workings of something.
Design	A plan or drawing produced to show the function or workings of something
audience	A specific group of people who are most likely to be interested in and benefit from your product

Product Specification	Plan	Final Product
Use inspiration from the key designer.		
Choose a linkage and lever design.		
Build your linkage and lever design.		
Assemble your card and check it works.		