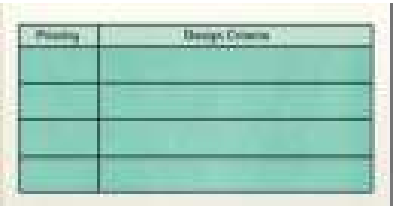
UKS2 DT Pulleys and Gears

Subject Specific Vocabulary	
Mechanisms	Something that uses related components which act together to create a movement.
Lever	a stiff bar which moves around a pivot.
Linkage	The part of the mechanism used to join one or more levers to produce the type of movement required.
Motion	Movement from one place to another.
Pivot	To turn on a central point
Rotary motion	Turning round in a circle, e.g. a wheel.
Linear motion	Moving in a straight line, e.g. paper trimmer.
Reciprocating motion	Moving forwards and backwards in a straight line, e.g. cutting with a saw.
Oscillating motion	Swinging from side to side in an arc, e.g. a pendulum in a clock

Sticky Knowledge

- I can make a product that relies on pulleys or gears,
- I can come up with a range of ideas after collecting information from different sources
- I know how to produce a detailed, step-by-step plan
- I can explain how a product will appeal to a specific audience
- I know how to use a range of tools and equipment competently
- I know how to make a prototype before making a final version
- I know how to evaluate a product and suggest alternative plans, outlining the positive features and draw backs





Aspirations

mechanic

Engineer



Design Brief – Design Criteria – Generating Ideas – Prototype – Make the Product – Evaluation