

Year 1: Mechanisms Knowledge Mat

Subject Specific Vocabulary

Slider & Lever Mechanism

Important Knowledge

mechanism	The parts that make something move.
lever	A stiff bar which moves around a pivot.
slider	A stiff bar which moves backwards and forwards along a straight line.
pivot	A fixed point that the lever moves around.
slot	The hole through which a lever or slider goes.
product	An object that is made for people to buy.
user	The person that the product is made for.
purpose	The reason the product is created.
choose	To pick or decide on something.
construct	To build or make something.

Sliders move from side to side and up and down

Use a single hole punch to make a hole then cut a slot

Tape or staple car onto card strip

Sticky fixers on back of card

A card strip could be used instead of cutting slots to allow movement

Masking tape

Rabbit moves up and down

Levers can be used with or without a slot

Paper fastener

A card strip is used as a lever. The fish and boat are glued to the lever which is used as a handle.

- I know what a mechanism is.
- know how a slider mechanism moves.
- I know how a lever mechanism moves.
- I can use my knowledge to design a moving picture using a slider or lever mechanism.
- I know what finishing techniques I will use to make my moving picture bright and eye catching for the user.
- I know and select the right tools to make my slider or lever mechanism.
- I know how well my moving picture meets the design criteria.
- I can make amendments to my moving picture based on my evaluation.