

## Previous Topic

On the road

# Mechanical systems – What's a loom

## Year Three

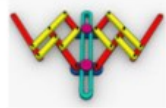






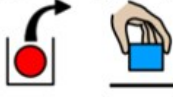





## Next Topic

Travel wallet







### Prior learning:

- Explored and used mechanisms such as flaps, sliders and levers.
- Gained experience of basic cutting, joining and finishing techniques with paper and card.

### Vocabulary:

 linkage	 mechanism	 pivot	 prototype
 design	 brief	 input	 output
 process	 user	 sensory	 evaluations
			 purpose

### Equipment

 card	 wool
 string	 paper fasteners
 scissors	 masking tape

### Key skills:

- To explore and used mechanisms such as flaps, sliders and levers. To distinguish between fixed and loose pivots. To understand and use lever and linkage mechanisms.
- To generate realistic ideas and their own design criteria through discussion, focusing on the needs of the user.
- To order the main stages of making, select from and use appropriate tools with some accuracy to cut, shape and join paper and card. To select from and use finishing techniques suitable for the product they are creating.
- To evaluate their own products and ideas against criteria and user needs, as they design and make. To know and use technical vocabulary relevant to the project.

### Key Questions:

- Who might it be for?
- What is its purpose?
- What do you think will move?
- How will you make it move?
- What part moved and how did it move?
- How do you think the mechanism works?
- What materials have been used?
- Which card strip is the lever?
- Which card strip is acting as the linkage?
- Which part of the system is the input and which part the output?
- Which are the fixed pivots and which are the loose pivots?