

Design Technology

Year 1 –Levers and Sliders

Prior Learning

Explain what they are making and what materials they are using. Select and name the tools needed. Begin to assemble, join and combine materials and components using a range of temporary methods. Say what they like and dislike about the product they have made.

Key Knowledge

Books can have moving parts in them such as levers, sliders, wheels and pop up parts which you can move in different directions.

Sliders help to move things from side to side and up and down.

Levers use a fixed point to make things move in a arc (curve).

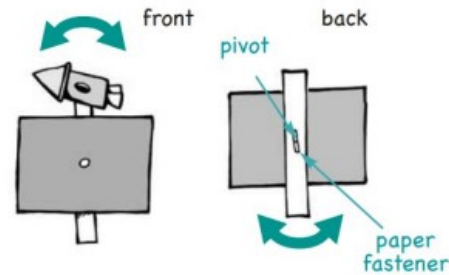
How to create simple design criteria and communicate ideas through talking, drawing and labelling.

Key Concepts

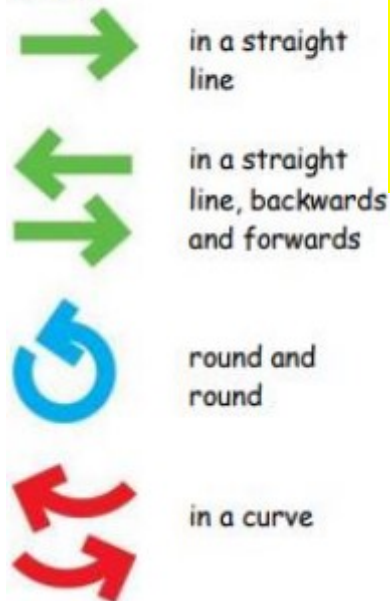
Design, make and improve
I can design and make a product

Evaluate
I can evaluate my design/product

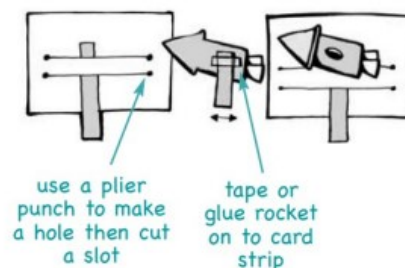
Simple lever mechanisms



Simple mechanisms move:



Simple sliding mechanisms



Key Vocabulary

mechanism - the device used to create movement in a product.

slider - a rigid bar which moves backwards and forwards along a line. It does not have a pivot.

lever - a rigid bar that moves about a pivot.

pivot - a point which a lever turns around.

hole - the hole through which a lever or slider is placed to enable part of a picture to move.

product - an item designed to do a particular job.

evaluate - to judge the level or value of.

Self Assessment

Let your teacher know

Tick one

☐ I fully understand.

☐ I need more practice.

☐ I do not understand yet.

Self Assessment