

Key Vocabulary & Skills:

design

criteria

model

plan

communicate

template

strength

materials

cutting

stronger

stiffer

joining

slider

lever

pivot

wheel

mechanism

evaluate

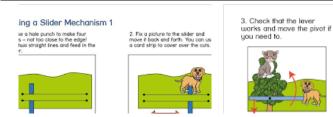
Year 1- Autumn DT Knowledge Organiser

Links to other year groups:

Mechanical Devices/New Materials-Year 10 Spring

Year 8 Design Movement / Modelling Project Prototypes: why, consumer, manufacturer Design movements - prep; practical skills: hand tools intro Materials knowledge - Styrofoam; use of modelling materials Finishes

Real World Examples:



Constructional Diagrams & Key Info:

Can I design a purposeful, functional & appealing product?

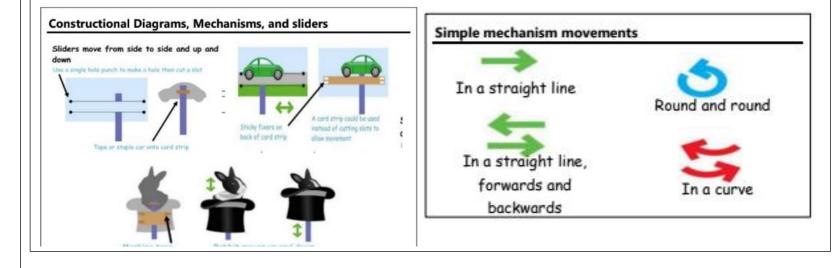
Can I talk about it, draw it and use templates?

Can I select from and use a range of tools and equipment, including: cutting, shaping, joining and finishing and make them stronger, stiffer and more stable?

4. Stick the character to the end

of the lever and move the lever

to make it rise



Lesson 1	Explore real world examples of moving pictures	
Lesson 2	Make and evaluate a paper slider and lever.	
Lesson 3	Make an improved slider using evaluation to suggest improvements	
Lesson 4	Make a wheel mechanism	
Lesson 5	Design a moving picture choosing one of the mechanisms to make a character move	
Lesson 6 and 7	Create own moving picture using design criteria and evaluate.	