



KEY VOCABULARY

mechanism

lever

pivot

slider

slot

oscillating motion

linear motion

design

properties

mock-up

a **system with parts** which **work together in a machine**

a mechanism which has a **bar and a pivot** and **helps moves heavy things** – a seesaw and a shaduf are examples of levers

a **point** around which an object can **move or rotate**

a mechanism made up of a **bar** which moves in a **linear motion**, sometimes through a **slot**

a **slit** through which something can be inserted

when **something moves backwards and forwards**, like a swing

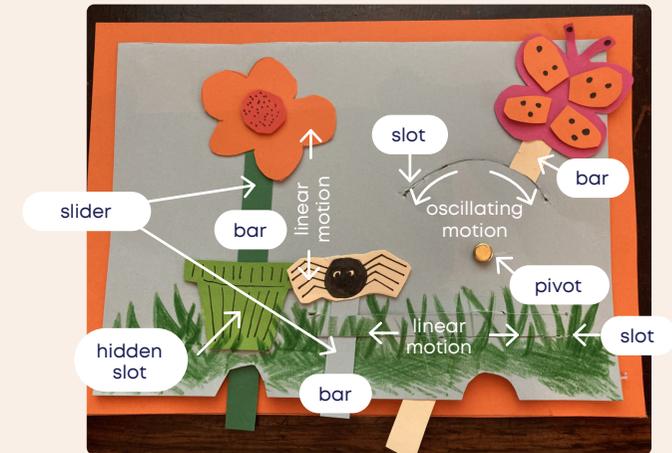
when **something moves in a straight line**, e.g. up and down or across

**planning** how something is going to **look and work**

the way a **material looks**, how it **feels**, or **what it can do** e.g. card is stiff

a **model** of something to show how a final product will work

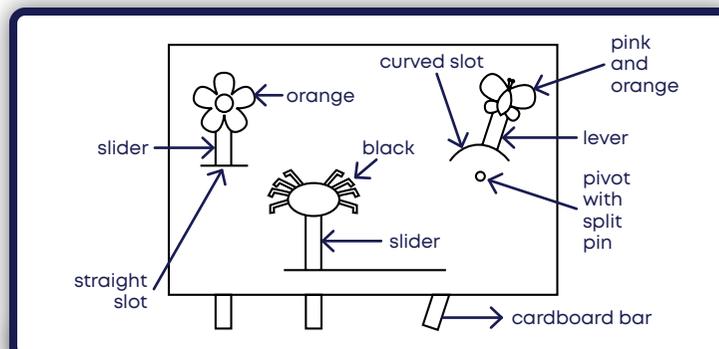
moving picture labelled with features of levers and slides



a lever has two parts, a bar and a pivot  
a slider has a bar but no pivot  
both a lever and a slider can move through a slot



a shaduf



example design

making a design

**user**  
who is the moving picture for?

**purpose or function**  
what is the moving picture for?

**appearance**  
what will your moving picture look like?