

Robins

D&T

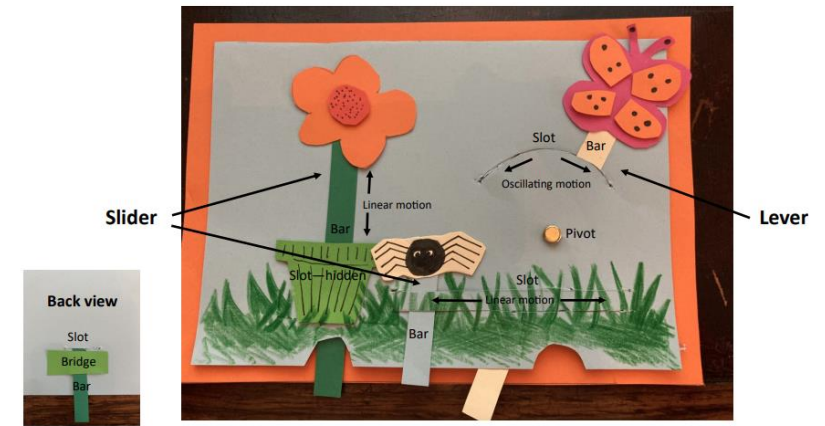
Autumn 2



Mechanisms

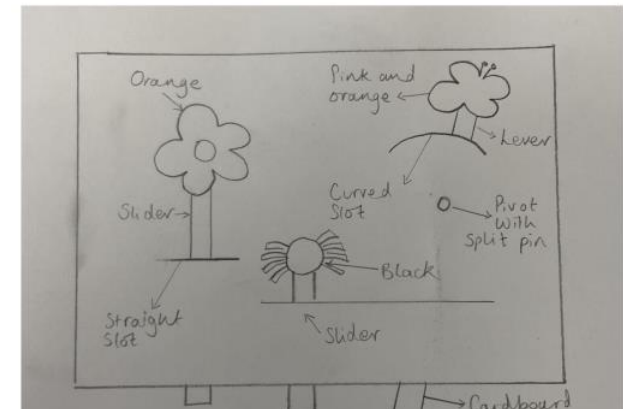
Moving Pictures

Labelled diagram



Key Vocabulary	Definition
Appearance	What is the object going to look like?
Bar	A straight, rigid object.
Bridge	A structure that passes over a gap.
Design	To make a plan for making something.
Force/effort	The strength or power exerted on an object to try and move it.
Function	What is the object for?
Lever	A rigid bar that pivots around one point and is used to move an object using a force.
Linear motion	Motion in a straight line.
Load	The quantity that can be carried at one time.
Materials	The things you will need to make something.
Mechanism	An assembly of moving parts performing a complete function.
Mock up	An example, usually made from cheaper materials than the finished version.
Motion	The action of moving from one place to another.
Oscillating motion	A curved, back and forth motion.
Pivot or fulcrum	The support or rest point on which a lever turns in moving something.
Properties	Things we can see, feel or measure when we study, or look closely at a material.
Shaduf	A device used in Egypt and other Eastern countries for raising water, especially for irrigation, consisting of a long suspended rod with a bucket at one end and a weight at the other.
Slider	Something that slides.
Slot	Slot, a cut out through which a slider can move.
Split pin	a metal pin made by bending double a wire, so that it can be passed through a hole in a nut, shaft, etc, to secure another part by bending back the ends of the wire.
User	Who is going to use the object?

Example Design



Making a slider which moves up and down



Making a lever

