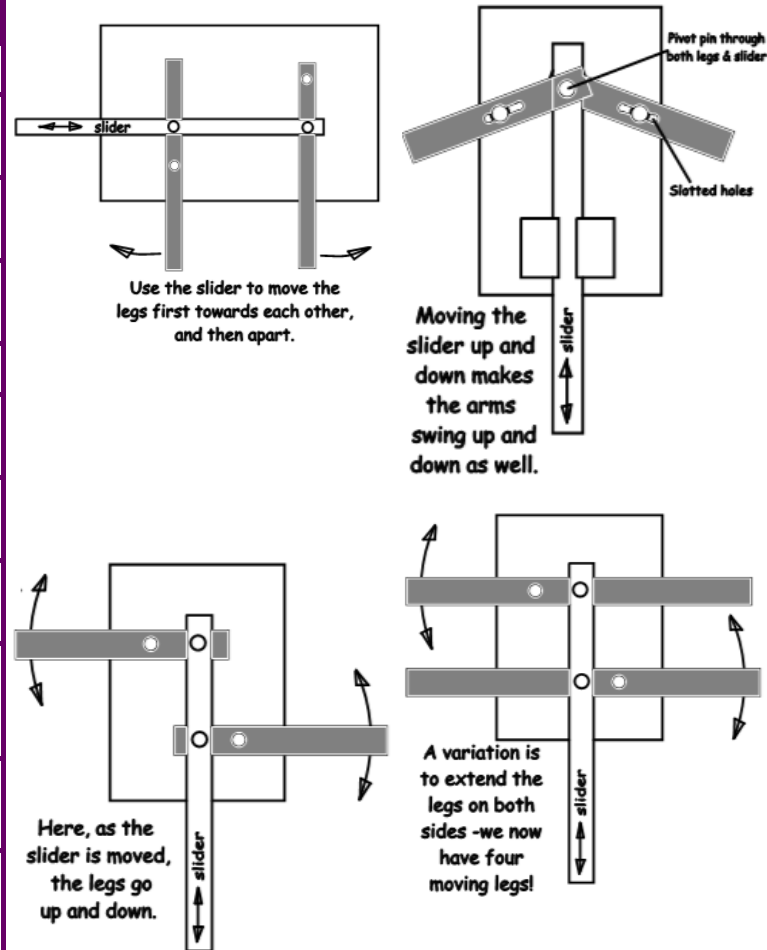
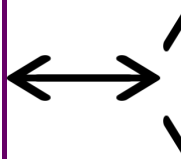




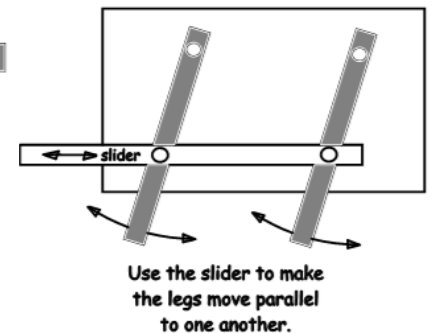
Key Vocabulary

mechanism	A device used to create movement in a product.
lever	A rigid bar which moves around a pivot, can be used to move a heavy load with one end.
slider	A rigid bar which moves backwards and forwards along a straight line.
linkage	The card strips joining one or more levers to produce the types of movement required.
pivot	The central point that a lever rests on.
moving pivot	Loose pivot—a paper fastener that joins card strips together.
fixed pivot	A paper fastener that joins card strips to the backing card.
slot	The long cut through which a lever or slider is placed to enable part of a picture to move.
split pin	A pin with two arms that is inserted through a hole in two materials, held in place by separating the arms.
guide/bridge	A short card strip used to keep lever and linkage mechanisms in place and control movement.
system	A set of related parts or components used to create an outcome. Systems have an input, process and an output.



Types of motion:

	Reciprocating motion Backwards and forwards movement in a straight line
	Rotary motion Movement that goes round
	Oscillating motion Moving to and fro around a pivot point, as in a lever



Health and Safety

Walk safely and calmly around the classroom and follow the teacher's instructions.	Take care using tools, follow the safety rules.	If you have to walk with scissors, hold them pointing down with the blades closed.	Use something soft like blu tack behind your card when poking holes with a pencil.	Use a hole punch or pencil to make a hole to insert your scissors for cutting part way along the card. Never make holes with the scissors.	Report any accidents and tidy up after yourself.
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