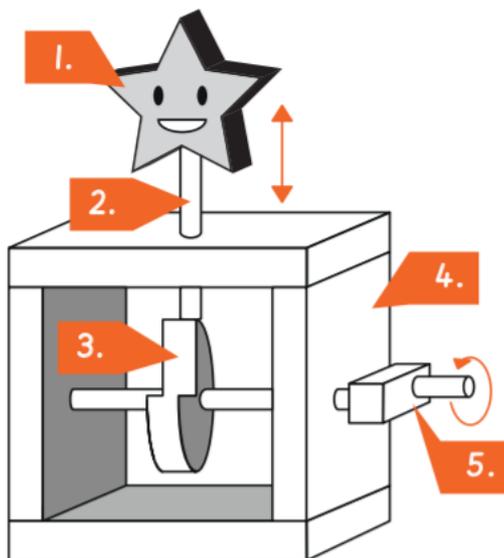
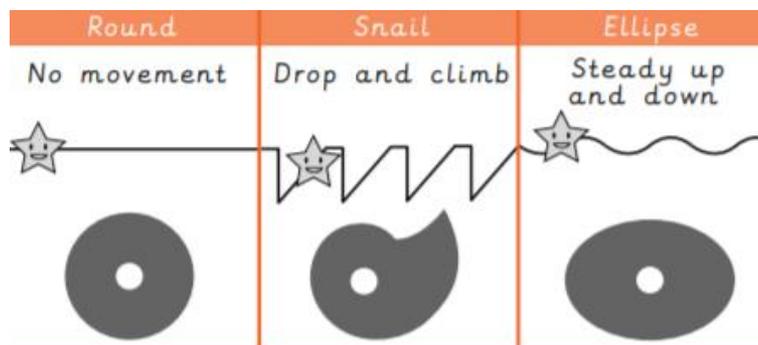


Components

1. Character
2. Follower
3. Cam
4. Frame
5. Axle attached to handle



Cam shapes



Changing the shape of the cam in your Automata, will create different movements.

Key words	Explanation
assembly-diagram	An exploded view diagram of an object, that shows you how to construct an object or order of assembly of various parts.
automata	Automata toys are sometimes known as mechanical toys or kinetic art. They use hand powered mechanisms to create movement in a scene of characters.
axle	In an Automata the axle rotates turning the cam with it. It is attached to the handle.
bench hook	A tool which hooks on to the edge of the workbench; to hold woodwork still when sawing.
clamp	A tool for holding objects together e.g. after gluing.
cam	A rotating or sling piece in a mechanism. It changes rotary motion to linear motion.
component	One of several parts from which something is made.
cutting list	An outline drawn to true size on paper, which shows the size and how many you need of each piece to make for the project.
dowel	Wood in the shape of a cylinder.
drill bits	The cutting tools that go in a drill to make different sized holes.
exploded-diagram	A diagram which shows all of the internal and external parts of a product.
finish	To complete your product with a high quality appearance.
follower	The post which traces the shape of the cam, rising and falling in a linear or reciprocating motion.
frame	The rectangular structure which holds the Automata together.
function	How an object or product operates or works.
hand drill	A small portable drilling machine for making holes which is operated by hand.
jelutong	A type of softwood, it is lightweight, easy to cut and shape.
linkage	A set of bars linked together to form a mechanism.
mark out	To measure and mark where a piece of material needs to be cut or shaped.
set square or engineer's square	A right-angle triangular plate, wood or metal tool used for drawing lines at 90, 45, 60 or 30 degrees.
tenon saw	A saw with a flat blade, used for cutting wood in straight lines or angles.