



Is working with wood easy?

Word	Definition
Bench hook	A tool. Hooks onto the edge of a workbench and holds wood still while being sawn.
Clamp	A tool. Holds objects together, such as while waiting for glue to dry on something you have glued together.
Cam	A rotating or sliding piece in a mechanism. Can make the movement go back and forth or up and down.
Dowel	Cylinder shaped wood. They come in different thicknesses and lengths.
Drill bit	A cutting tool. It makes different sized holes. Can be used on a hand drill or an electric drill.
Follower	The post which traces the shape of the cam, rising and falling.
Frame	A structure which holds the moving parts together.
Hand drill	A small hand operated drilling machine. Uses different size drill bits to make different sized holes.
Tenon saw	A saw with a flat blade. Used to cut wood in straight lines or angles.
Linkage	A set of bars linked together to form a mechanism.
Set square / Engineer's square	A tool. Right-angled triangular wood or metal, used for drawing lines at different angles.

Key Knowledge and Concepts.

Bench hook



Set square/
engineers square



Clamp



Drill bits



Hand drill

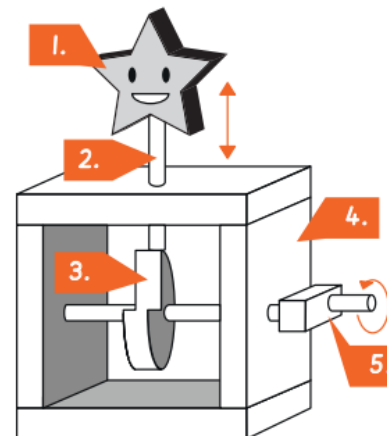


Tenon saw



Automata toy **components:**

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



Cam shapes

Round	Snail	Ellipse
No movement	Drop and climb	Steady up and down

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