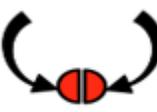


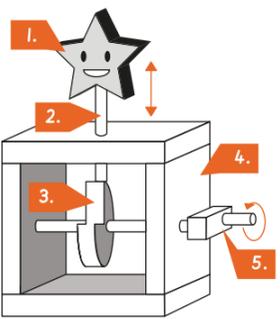
Lesson 1 Can you create design criteria to meet a user's needs?	Lesson 2 Can you use an exploded diagram to assemble a frame?	Lesson 3 Can you explore a mechanism to inform a design decision?	Lesson 4 Can you evaluate a completed design?
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Vocabulary

 accurate	There are no mistakes	 axle	A rod or bar that runs through the centre of a wheel	 component	A part of something larger
 dowel	A small piece of wood in a cylinder shape	 evaluate	What was good or bad	 form	To put something together

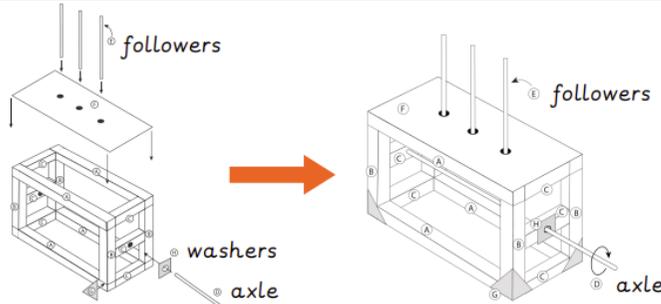
Automata toy components:

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



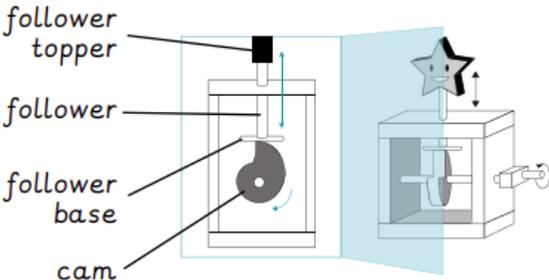
Automata toys use a mechanical system of cams, axles and followers to create movement in a character or object.

Exploded diagrams



Exploded diagrams communicate how the parts of a product fit together. They help when making the product.

Cross-sectional diagrams



Cross-sectional diagrams help designers to communicate how a product works by showing the inside. Imagine a cut down the middle.