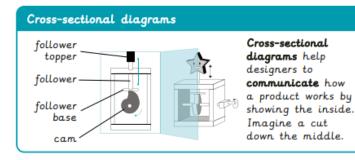
# **Structures and Mechanisms**

## Design and make an automatic toy supported by a sturdy, aesthetic structure.



Making adjustments and improvements

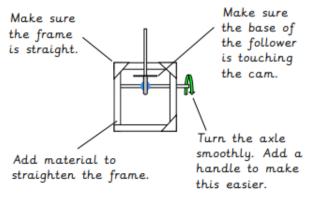
Automata toys use a mechanical system of cams, axles and followers to create movement in a character or object.

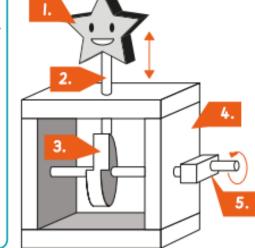




Secure the **cam** to the **axle** with sticky tack or modelling dough so the **cam rotates** with the **axle**.

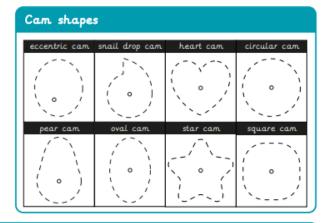
Increase the thickness of the **cams** by using corrugated card or sticking the same shape **cams** together.



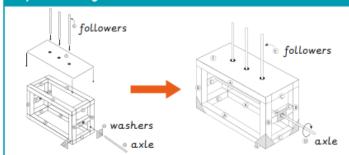


### Automata toy components:

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



#### Exploded diagrams



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

#### Cam shapes

