

5th March 2021

I can design mechanical toy.

What does mechanical mean?

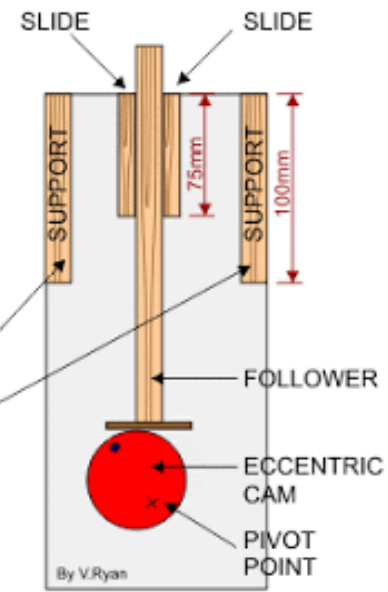
Cams

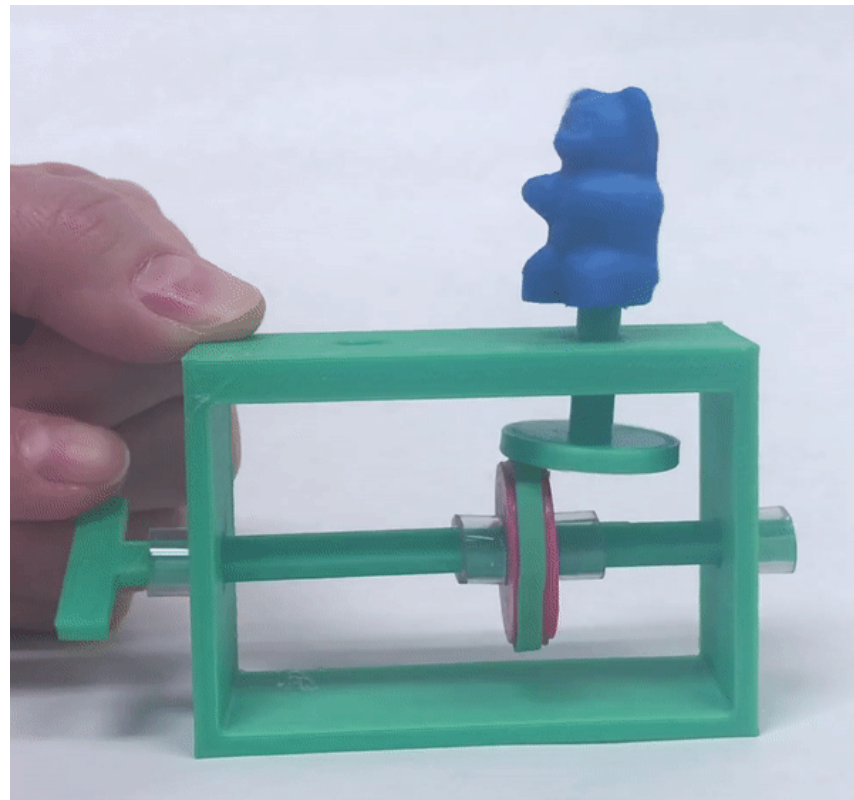
Levers and linkages

Pulleys

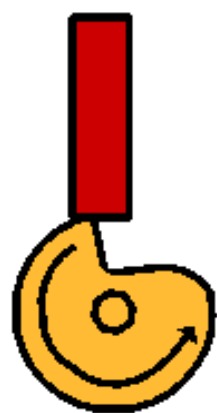
Gears

Cams





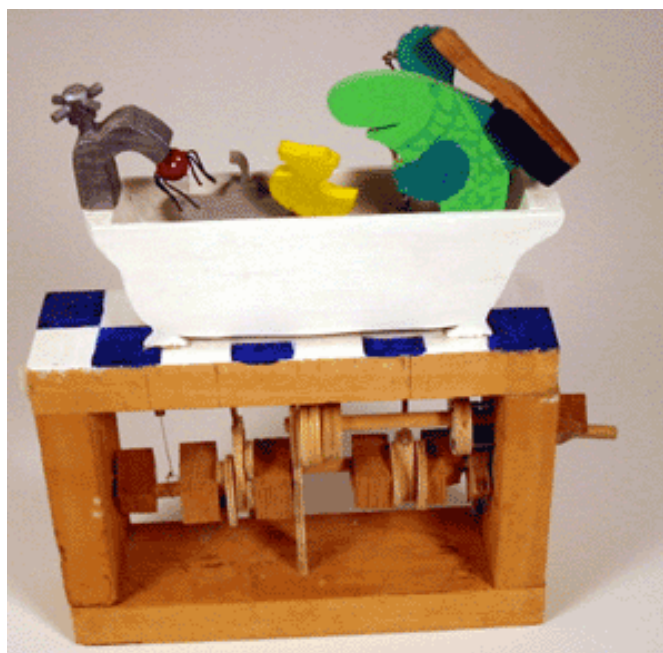
Type of cam	Diagram of cam	Shape of cam and position of cam shaft	How shape of cam affects movement of cam follower
Pear cam			
Eccentric cam			
Snail cam			

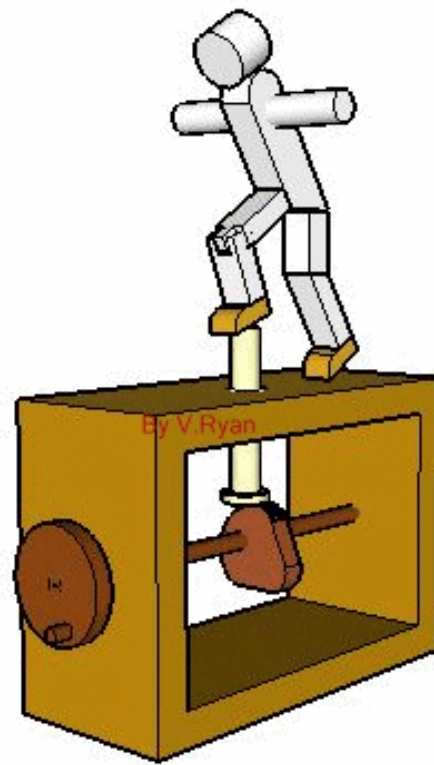






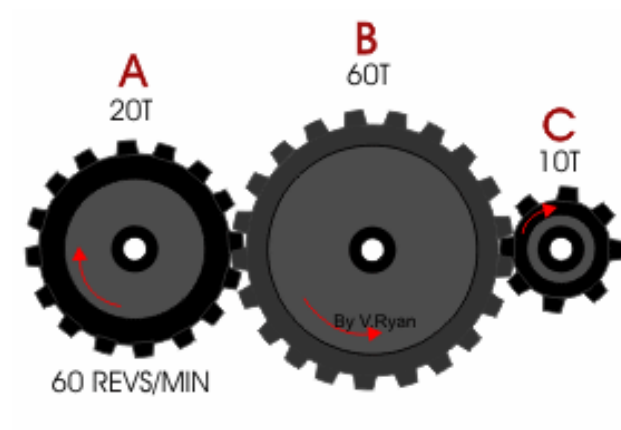
Daniel Tadman

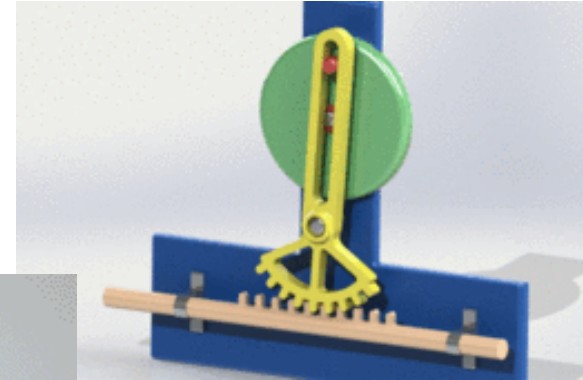
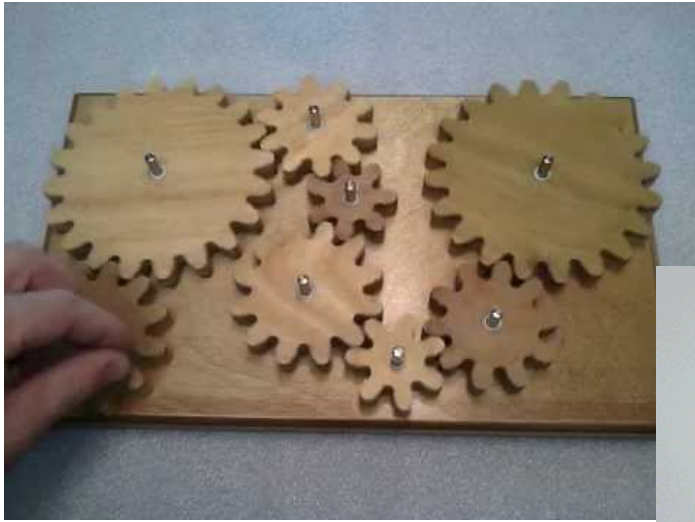






Gears

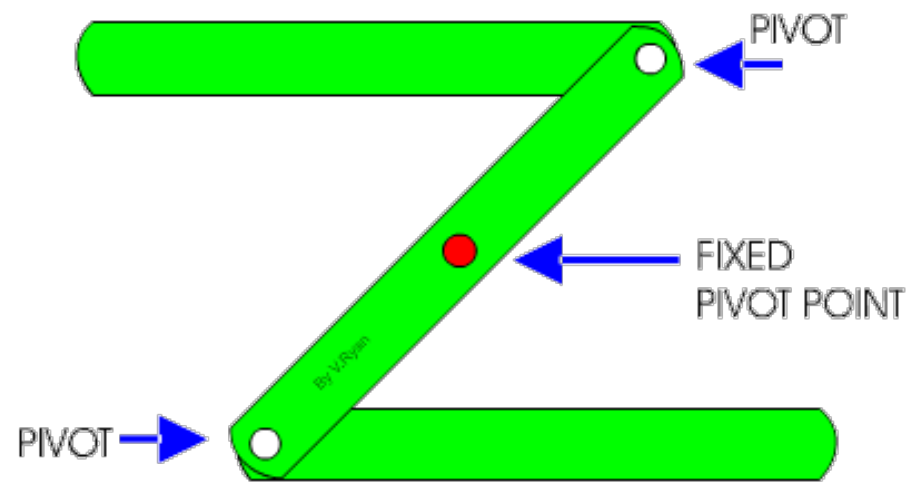


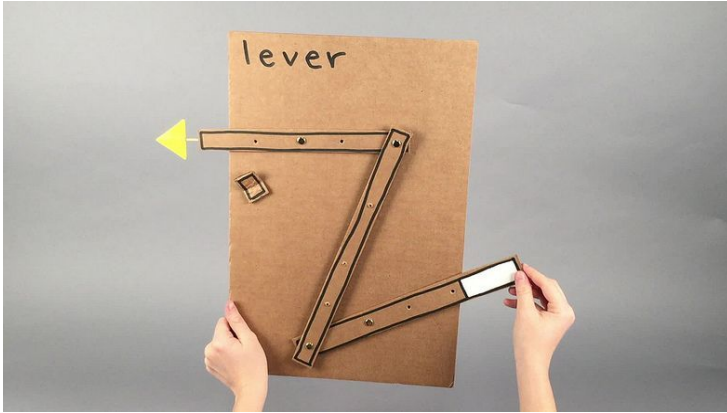




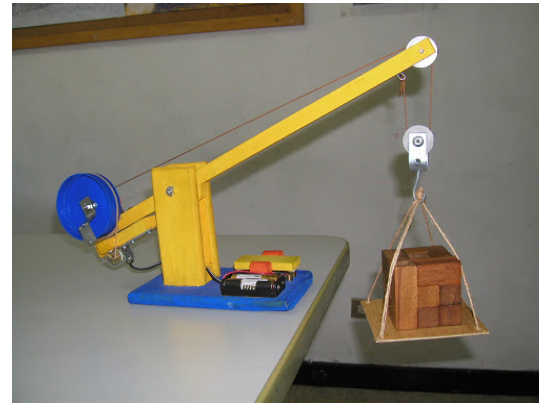
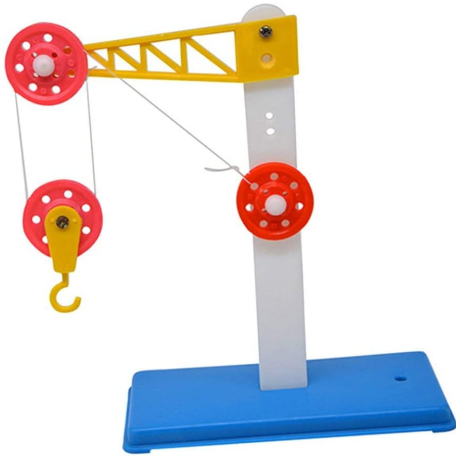
Levers and Linkages







Pulleys



Design Brief

Your task is to design and make a mechanical toy. It must include at least one of the following systems: cams, gears, pulley or levers and linkages. This could be anything from a crane, a moving car to a pop-up book. You can decide on the age group your product is aimed at, but remember it's for children. Consider the safety aspects of your product too. Finally, whilst you are designing and making your product, try to consider the anthropometrics of your toy too.

Design brief.

To design and build an eco-friendly mechanical toy.

What do you need to consider?

