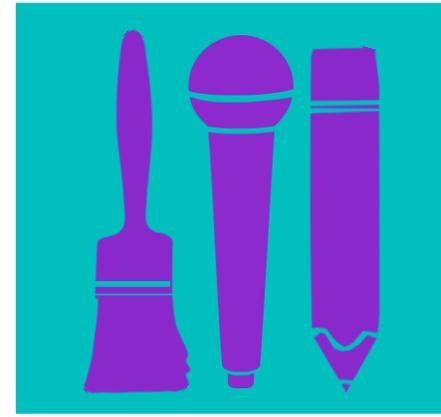
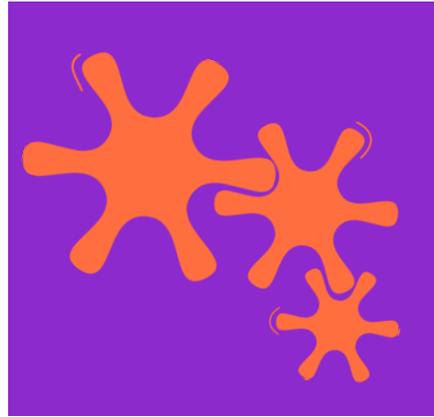


SPIRIT OF INNOVATION

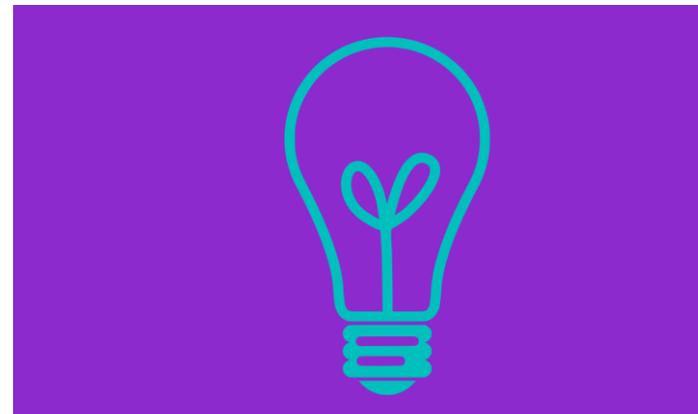
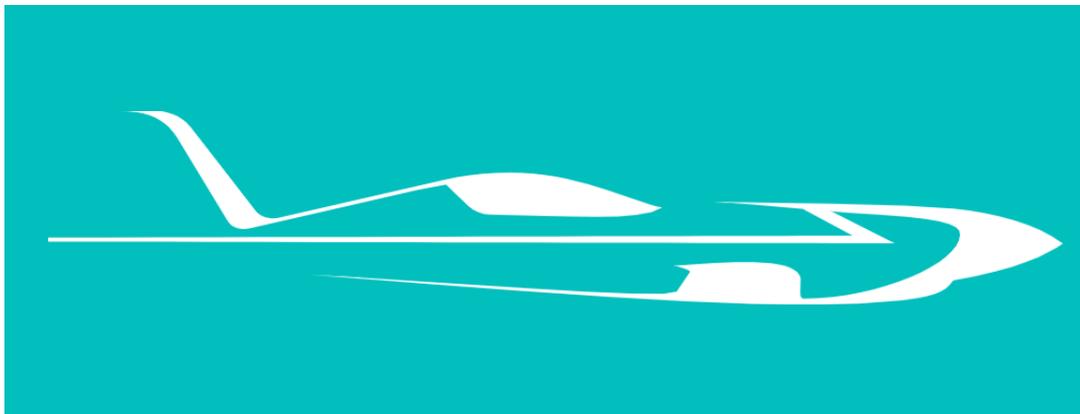
STEAM RESOURCES



Engineering

Year three

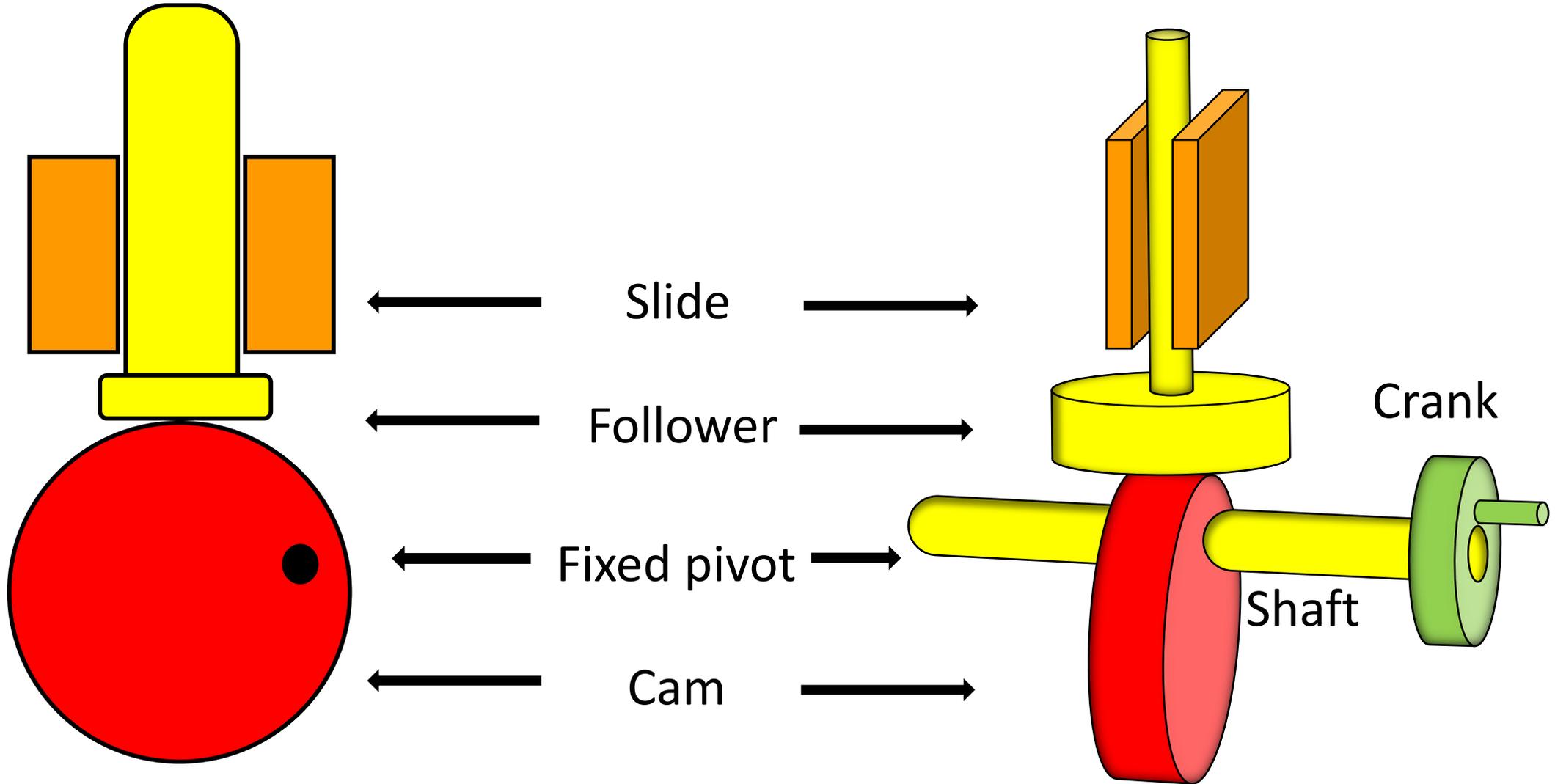
PowerPoint - An Introduction to Cams & Followers



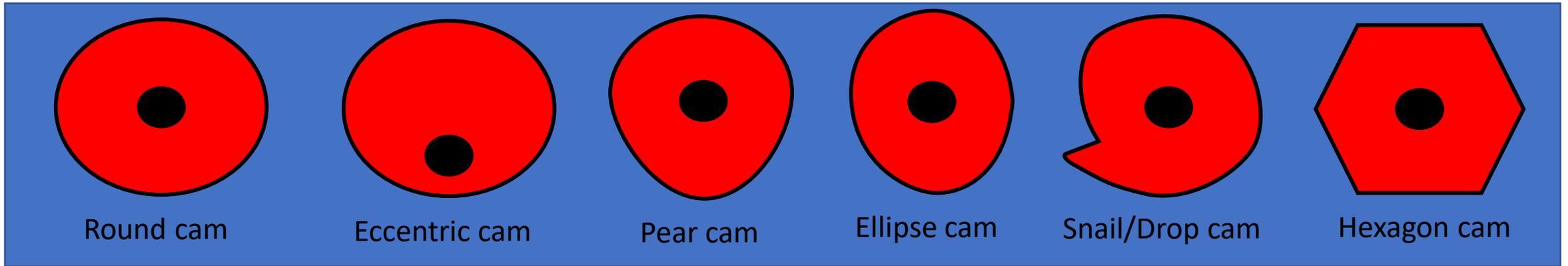
Exploring Cam Movement

- A **cam** is a mechanical device used to **transmit** motion to a **follower** by direct contact.
- A **cam** changes the **input** motion, which is usually a **rotating** motion (circular) and turns it into **linear** motion (straight)
- As a cam turns, it causes another part to rise up and down (or back and forth)
- The shape of the cam and the location of the fixed pivot point will both effect the movement of the output.

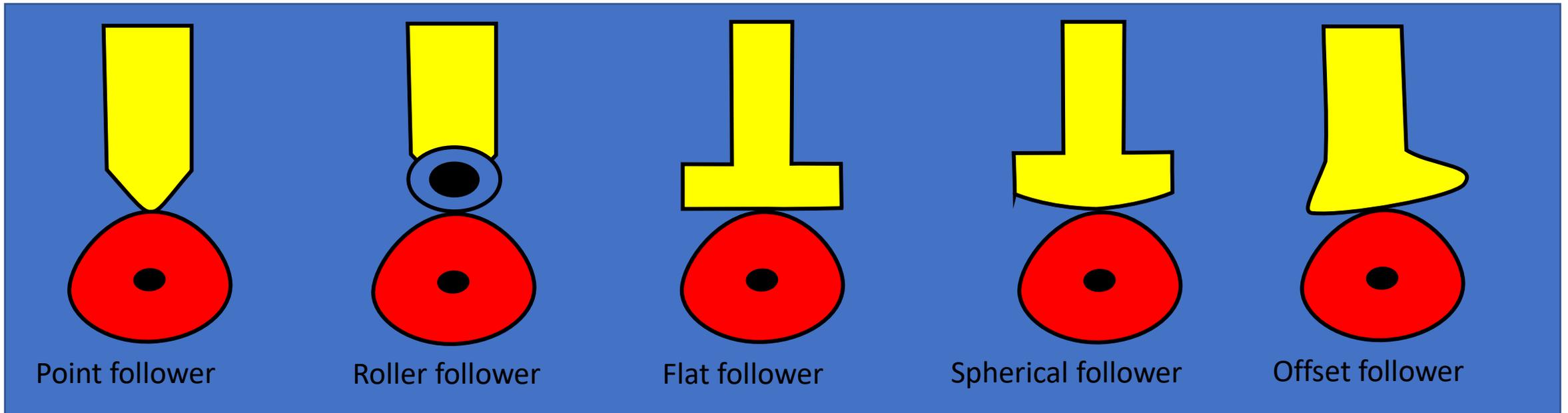
Cams and Followers



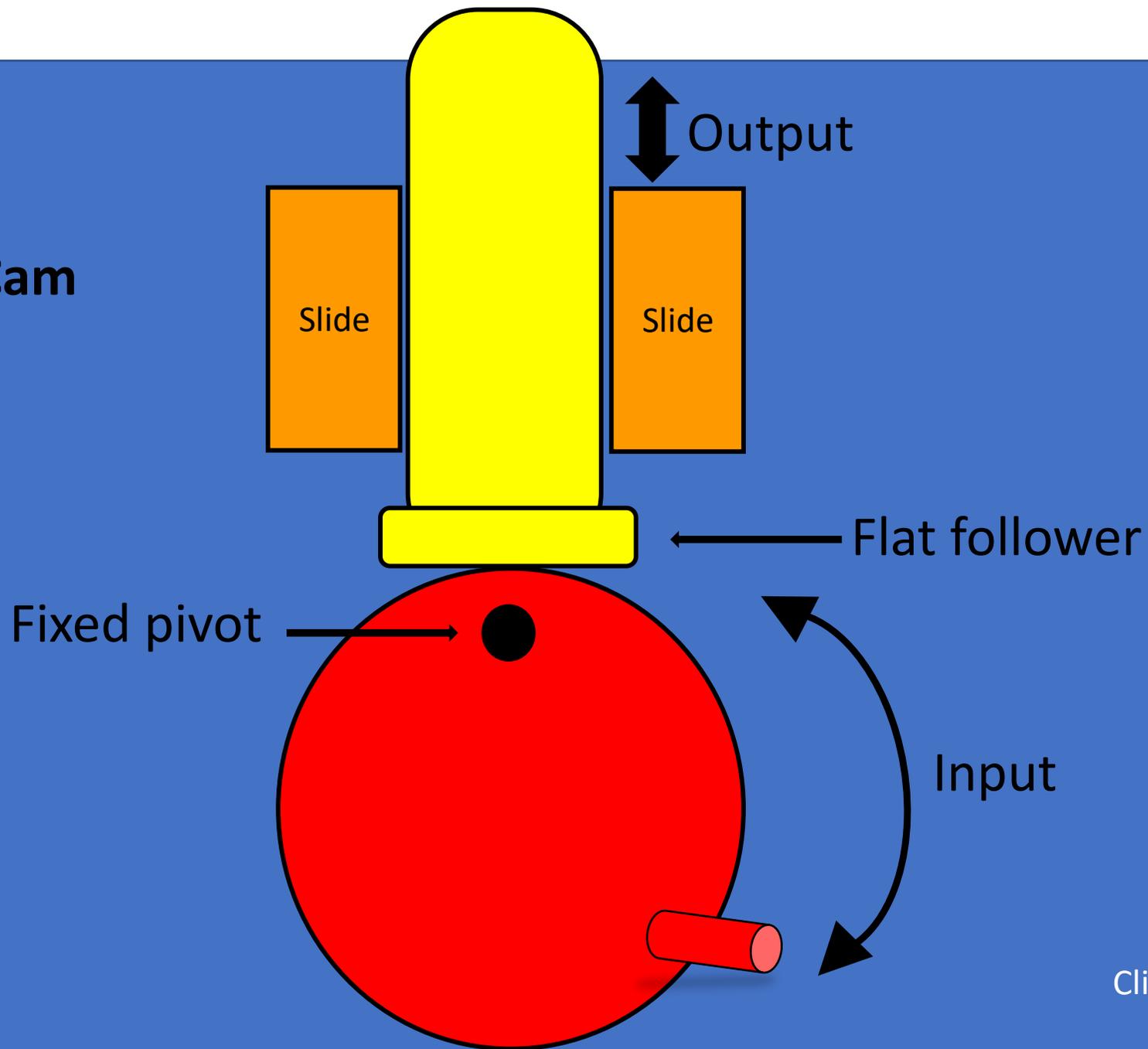
Cams and Followers



The **driver** is called the cam and the **driven member** is called the follower.

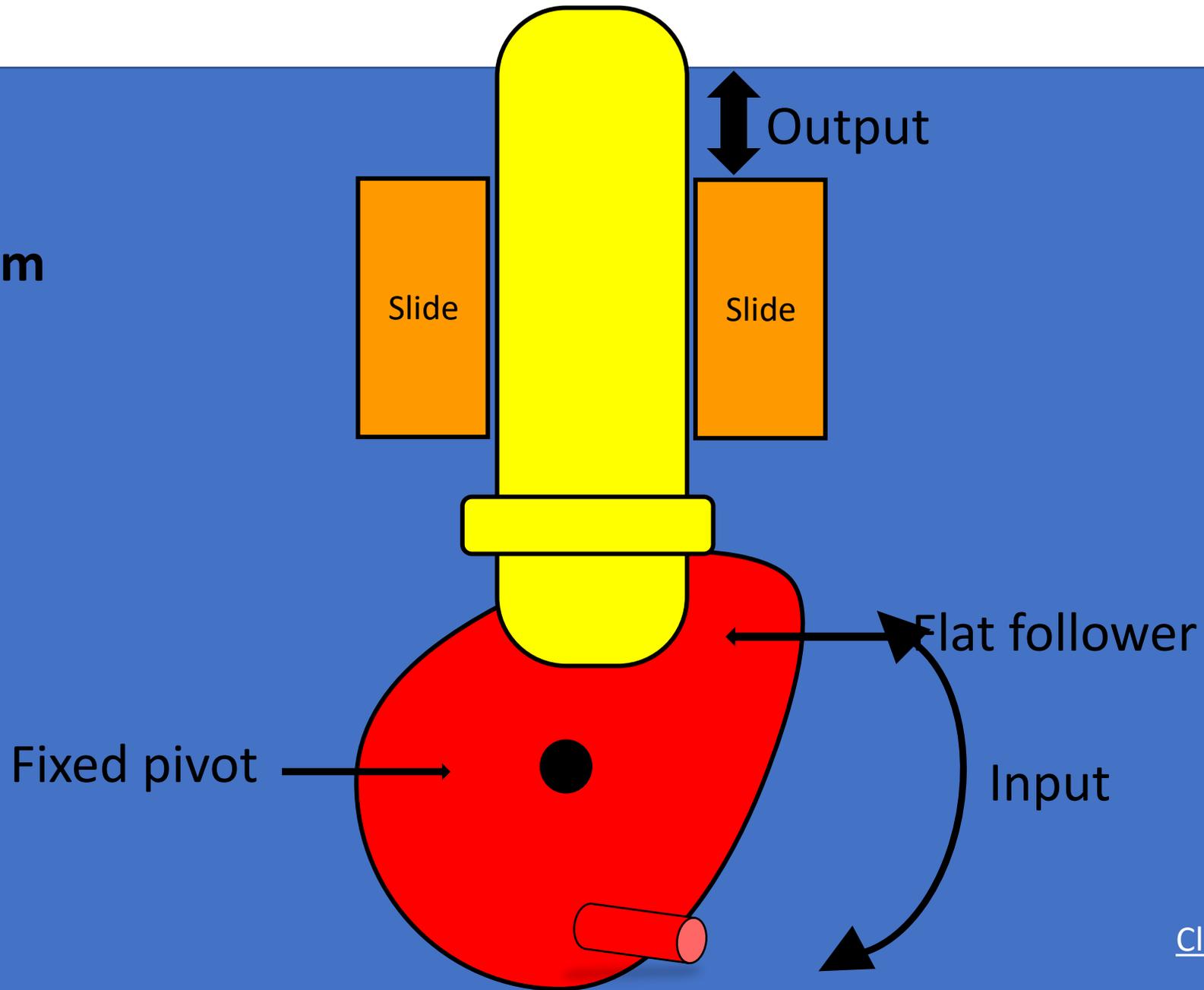


Eccentric Cam



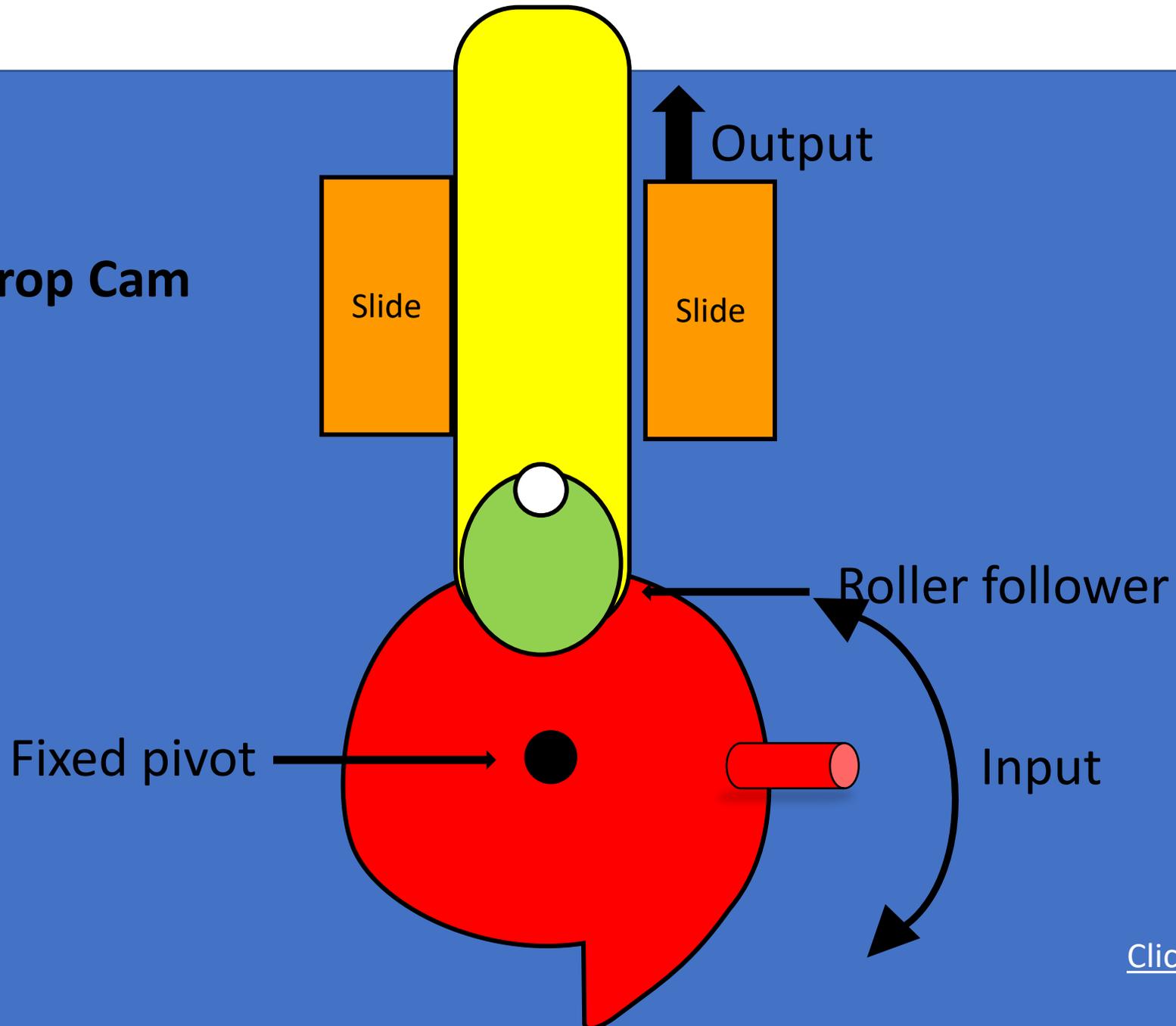
[Click here to see](#)

Pear Cam



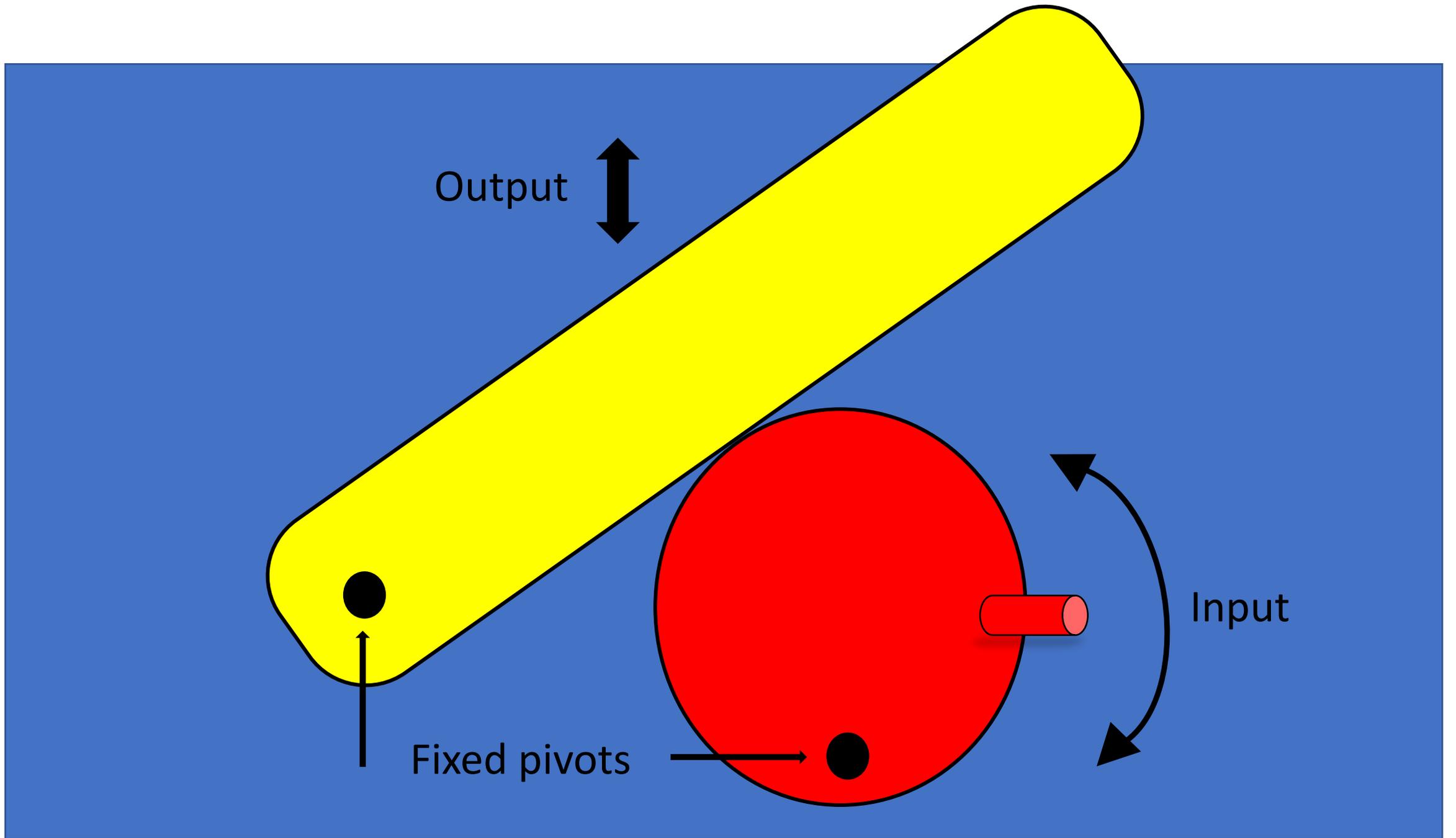
[Click here to see](#)

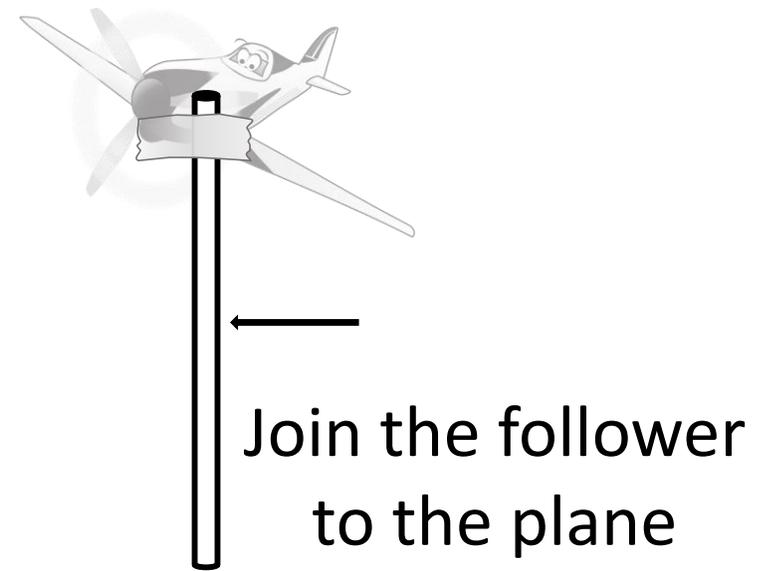
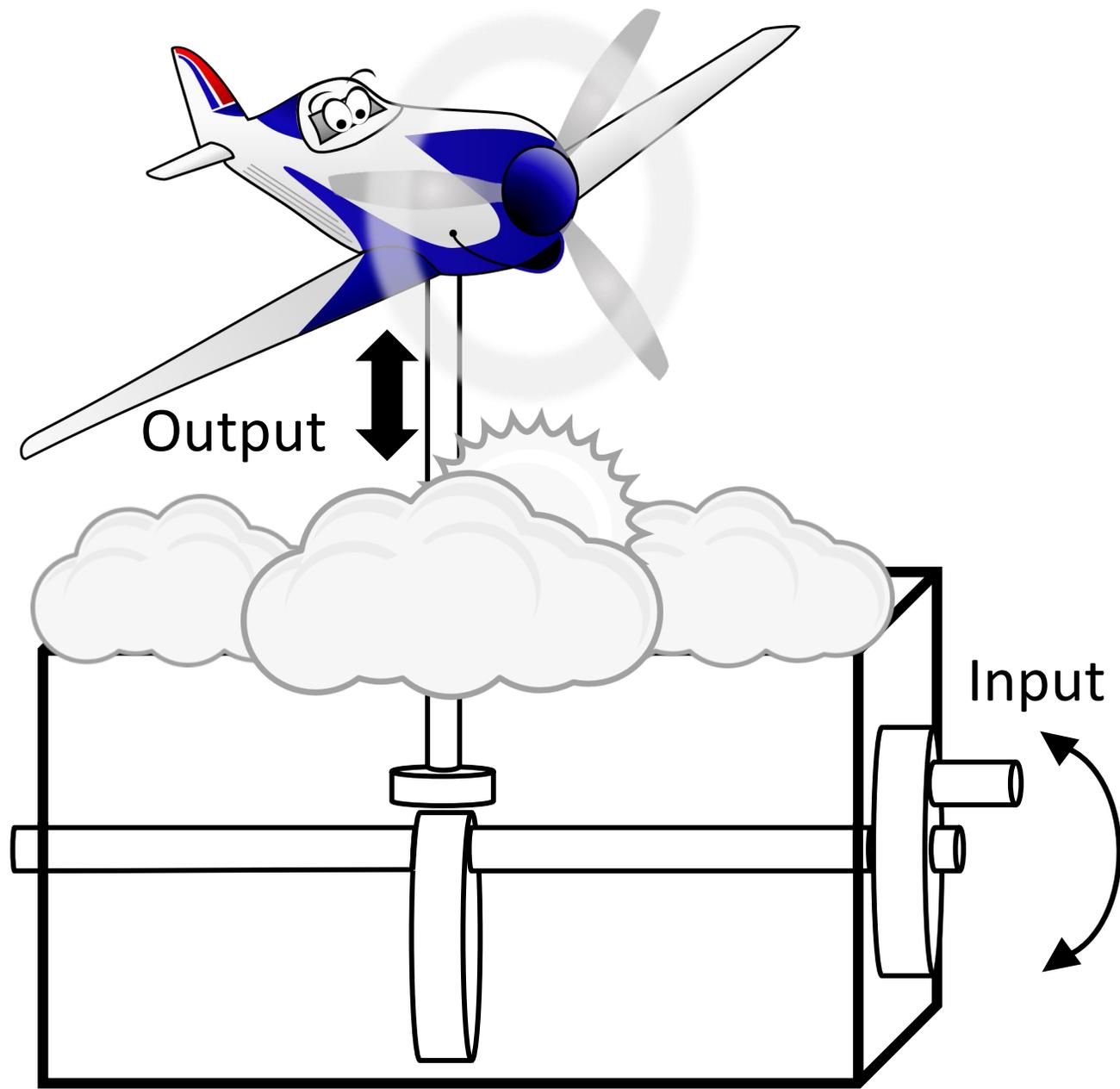
Snail/Drop Cam

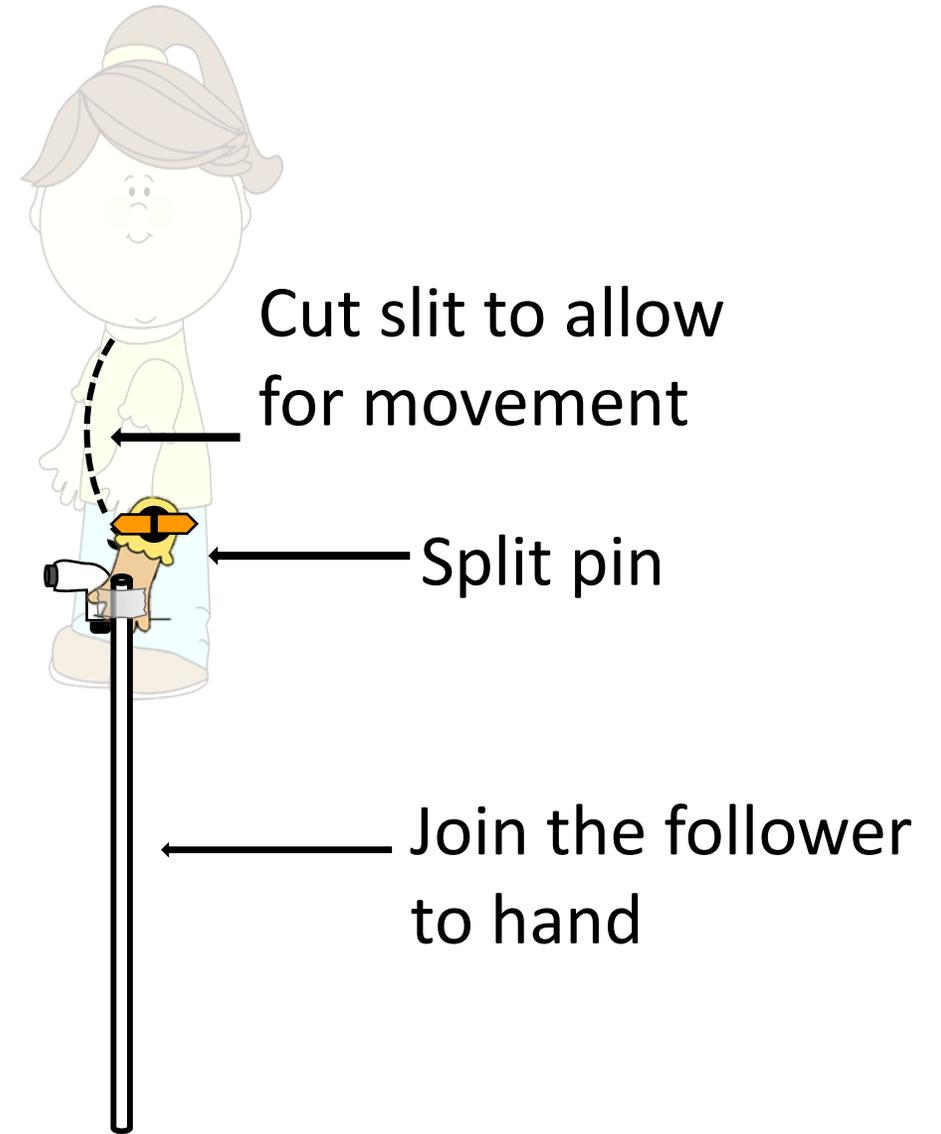
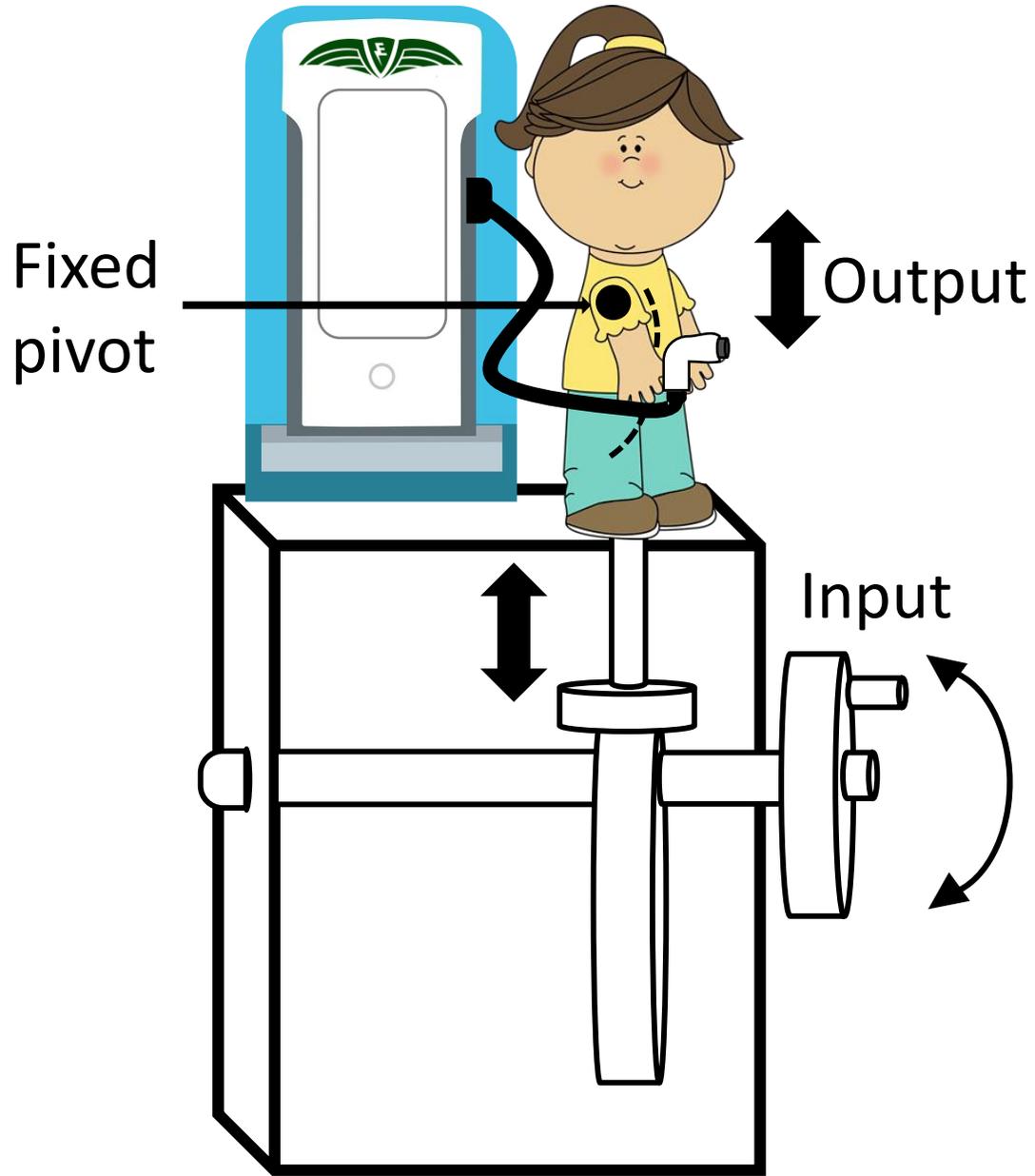


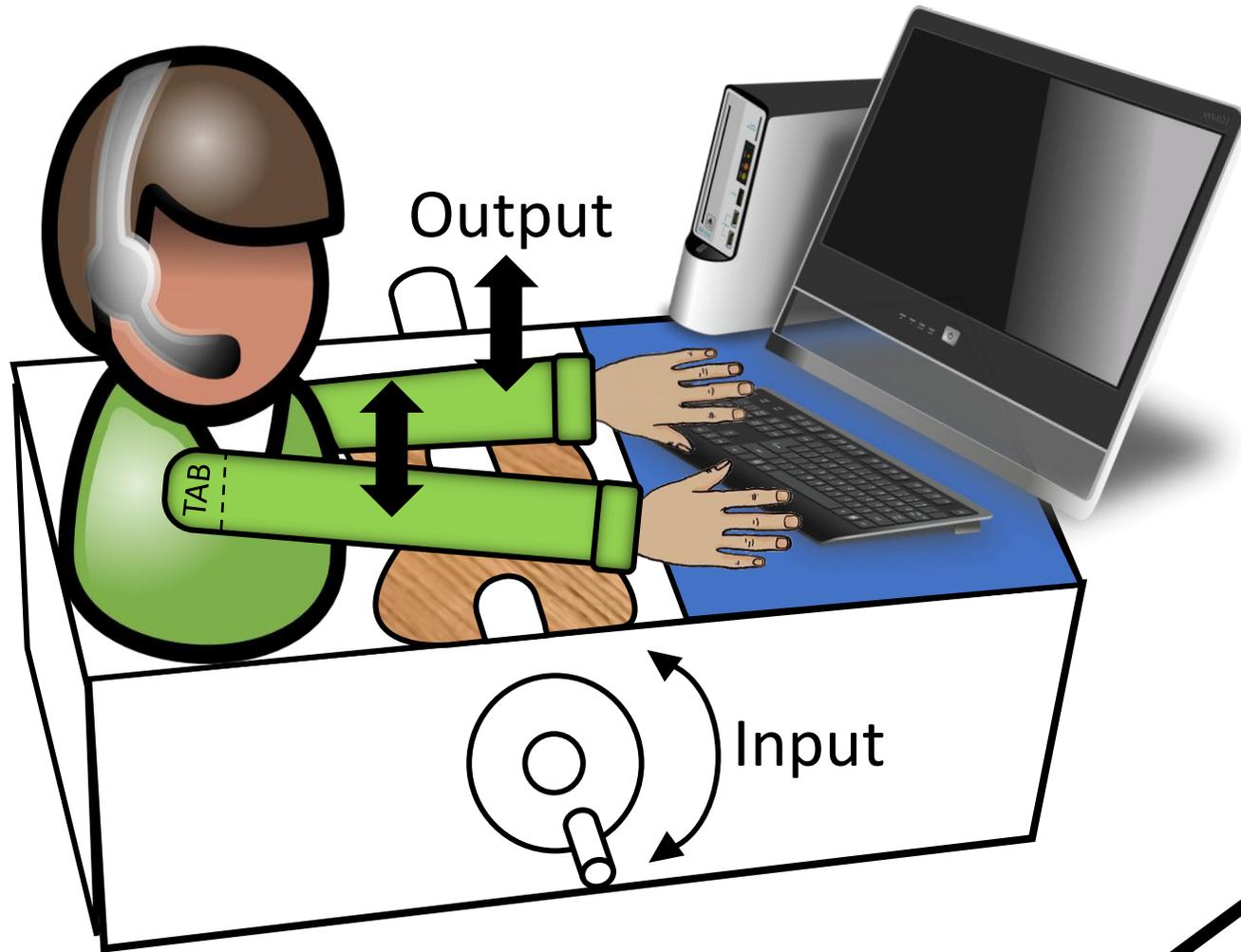
- Loose Pivot
- Fixed Pivot

[Click here to see](#)





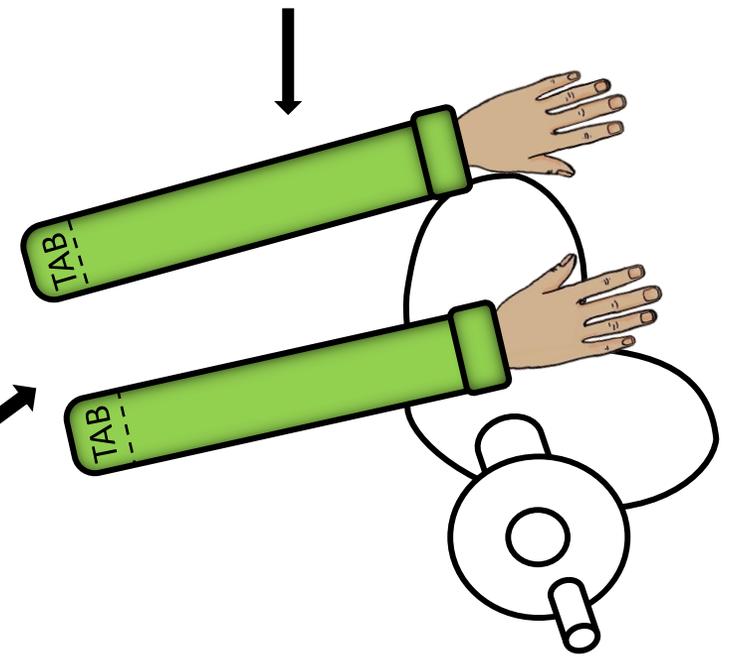




Output

Input

Stiff cardboard
make the arms into
flat followers



Fixed tabs join both arms
to the front of the body.

Two pear cams
on one crank

Year 3 Cams & Followers

Introducing the
world's fastest
electric aeroplane

Project name	Spirit of Innovation
Max Power	750 kW
Top Speed	300+ MPH
Range	200 miles
Development	24 months

Collaborators



Name of Designer:



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