## D&T Knowledge Organiser – Levers and Linkages



LINKAGE:

**BELL CRANK LINKAGE:** This linkage allows horizontal movement to be converted to vertical movement. It also works the opposite way round. A practical example of this is the brake mechanism on a bicycle.





The rods move forwards and backwards in slider. The fixed pivot anchor the linkages to one place.



the effort between the fulcrum and the load. If the effort and the fulcrum are further apart, it becomes easier to lift.



 $(\pm)$ 

DROP

What type of movement

do you think this cam

profile will give ?

(+)

HEART

velocity.