

Wedge

Lever

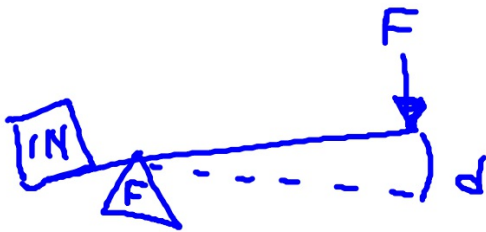
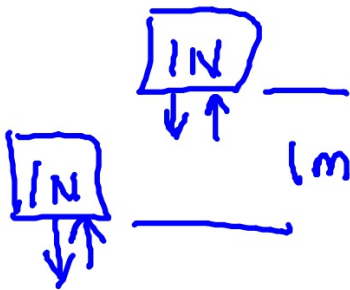
Screw

INCLINED PLANE

Pulley

Wheel + Axle

Lever



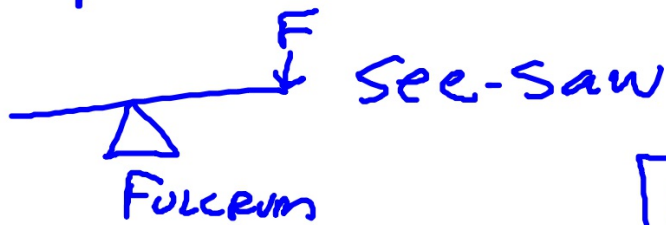
$$F_{11}d(1N)(1m) = 1J$$

$$\Delta t = 2s$$

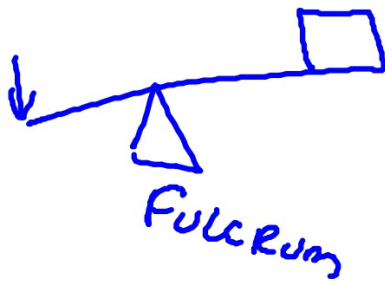
$$\text{Power} = \frac{\text{Work}}{\Delta t} = \frac{1J}{2s}$$

$$= .5 \text{ WATS}$$

$$F_{11}d = .5N(2m) = 1J$$



Level 1

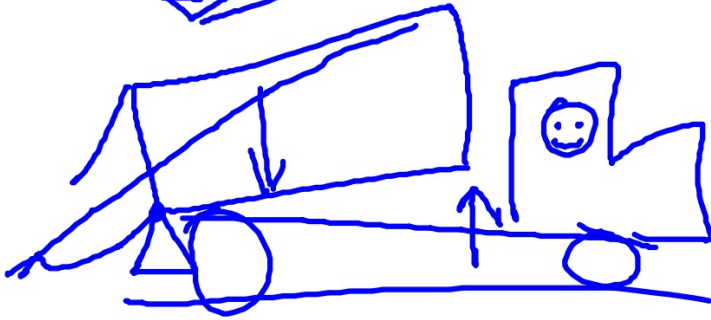


TREBUCHET

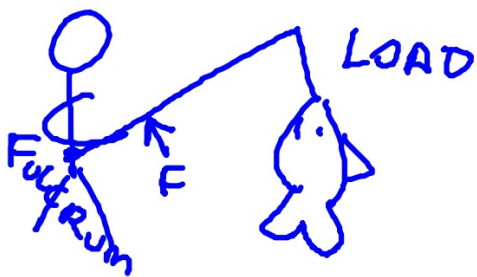
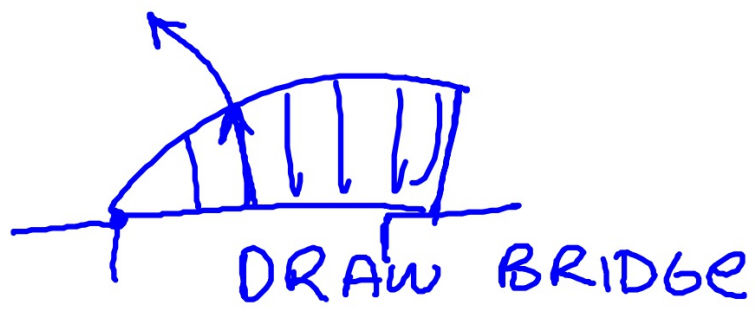


Level 2

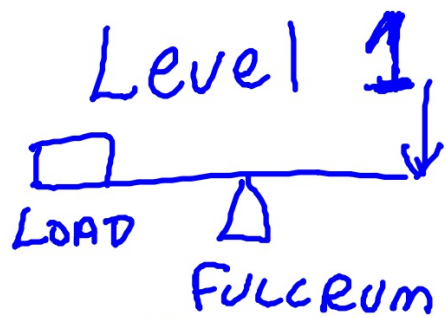
RATCHET WRENCH



DUMP
TRUCK

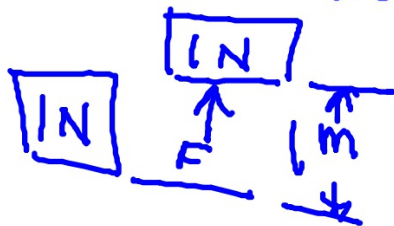


Pulley
Screw
Lever
INCLINED PLANE
Wedge
Wheel & Axle



$$P = \frac{\text{WORK}}{\Delta t} = \frac{1\text{J}}{1\text{s}} = 1\text{W}$$

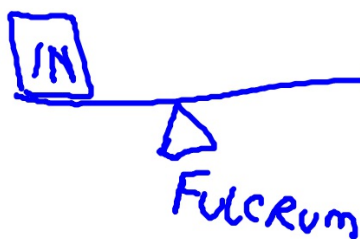
$$\Delta t = 1\text{s}$$



$$\text{WORK} = F \cdot d$$

$$= (1\text{N})(1\text{m})$$

$$\frac{1\text{J}}{2\text{s} \cdot 5\text{N}} = .5\text{W} = 1\text{J}$$



$$\text{WORK} = \Delta t =$$

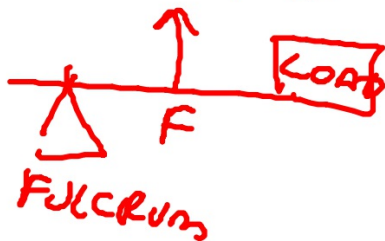
$$(5\text{N})(2\text{m})^2\text{s}$$

$$= 1\text{J}$$

Level 2



Level 3



Level 1



