Concept Map: Work

Displacement
(s)

Newton's second law of motion
$F = m\,a$

Angle between force and displacement
(θ)

Energy ← Work (w)
$W = (F\cos\theta)s$ → Power

$\theta = 180^\circ$
$W = -\,F\,s$

$\theta = 0^\circ$
$W = F\,s$

$\theta = 90^\circ$
$W = 0$ Joules