

{youtube}uW1eGGV19ls{/youtube}

Work Energy [Part 1/5]

Work (Work) is the energy transferred to or from an object by a force acting on it. The work done by a force is equal to the change in kinetic energy of the object. The work done by a force is equal to the change in potential energy of the object. The work done by a force is equal to the change in mechanical energy of the object.

The work done by a force  $F$  acting on an object at an angle  $\theta$  to the displacement  $s$  is given by the equation  $W = F s \cos \theta$ .

Source : <http://www.youtube.com> clipvidva