

# Work

## Picture Vocabulary

Force, Motion, and Energy

# Work



The use of force to move an object through a distance; calculated as force times distance.

# Force



A push or pull that can change the motion of an object.

# Net Force



The sum of all the forces acting on an object.

# Motion



The change in an object's position with respect to time and in comparison to the position of other objects used as reference points.

# Friction



Force that opposes the motion of one surface across another.

# Simple Machines



Device that makes work easier, often by reducing the amount of effort force needed to move an object.



# Inclined Plane (Ramp)



A ramp or slope that reduces the force needed to move objects up and down heights; a simple machine.