

Scalar Quantity	Vector Quantity
Mass	Force
Speed	Acceleration
Distance	Displacement
Time	Velocity

Contact Forces	Non-Contact Forces
Friction	Gravitational Forces
Air Resistance	Electrostatic Forces
Tension	Magnetic Forces
Reaction Forces	Nuclear Forces

MASS AND WEIGHT

Introduction to forces

Mass (kg) - amount of matter

Weight (N) - force caused by gravity

Weight (N) = mass (kg) \times gravity (N/kg)

WORK DONE

When work is done, energy is transferred.

Work done (J) = force (N) x distance (m)

