

SCAN ME



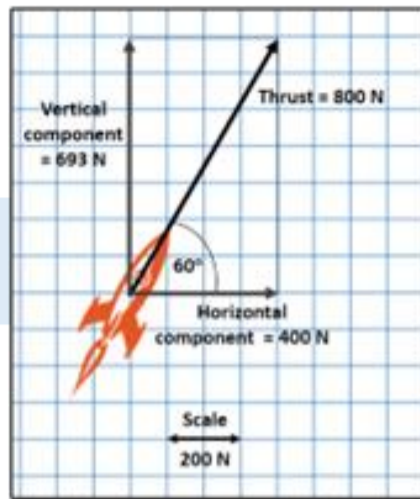
Revision

Retrieval, keyword definitions and equation practice.

Final assessment

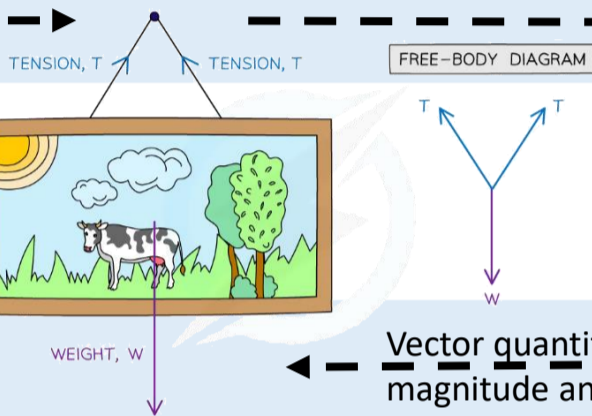
Review of learning

Apply:
 SP11 Static electricity
 SP12 Electrical Power
 SP13 magnetic fields
 16+ Work energy and power
 Mechanics and materials

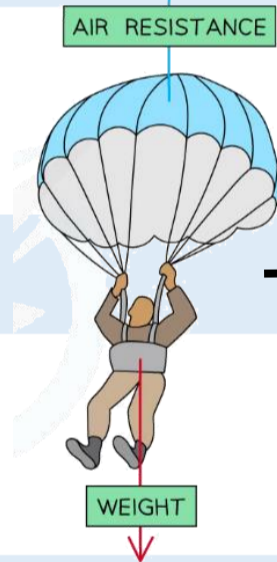
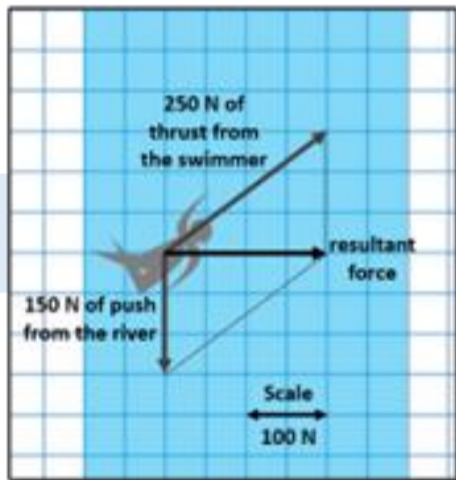


Vector diagrams [H]

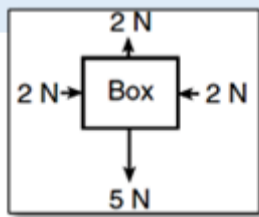
How do all the forces on a single body combine to affect it?



Vector quantities have both magnitude and direction



A free body diagram shows all the forces acting on an object



The unit of power: 1 W = 1 joule per second

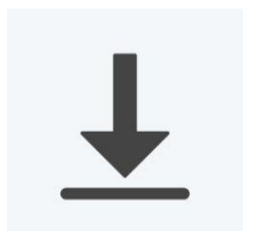
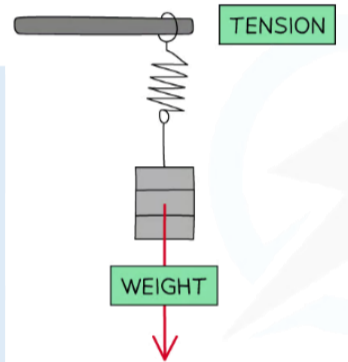
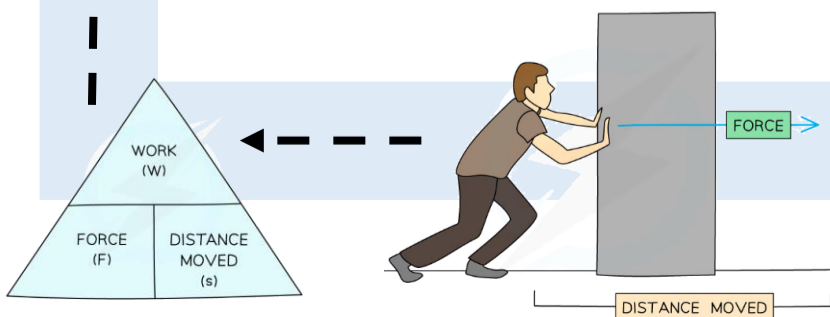
Objects affecting each other

How can objects affect each other without touching

LESSON 1

Work and power

How can the energy of a system be changed?



Retrieve:
 KS2 Forces: magnetic forces can act at a distance
 P1.1.1 Forces (gravity)
 P1.1.4 Forces at a distance
 P1.1.5 Balanced and unbalanced
 P1.2.2 sound and energy transfer
 P1.4.2 gravity
 P2.1.1 Charging up
 P2.1.6 magnetic fields
 P2.2.27 Energy and power
 P2.2.8 Work, energy and machines
 P2.3.6 Rotational forces
 SP1 Scalar and vector quantities
 SP2 Mass and weight
 SP3 Conservation of energy

Make sure you can write definitions for these key terms.



energy, joules, kilojoules, work done, power, watts, contact force, non-contact force, reaction force, force field, electric field, vectors, free body diagrams, scale diagrams, resultant forces, resolving forces, component forces