

Year 5: Forces

Vocabulary

Gravity- the force that attracts things towards the centre of the Earth

Air resistance-the force that slows an object moving through air.

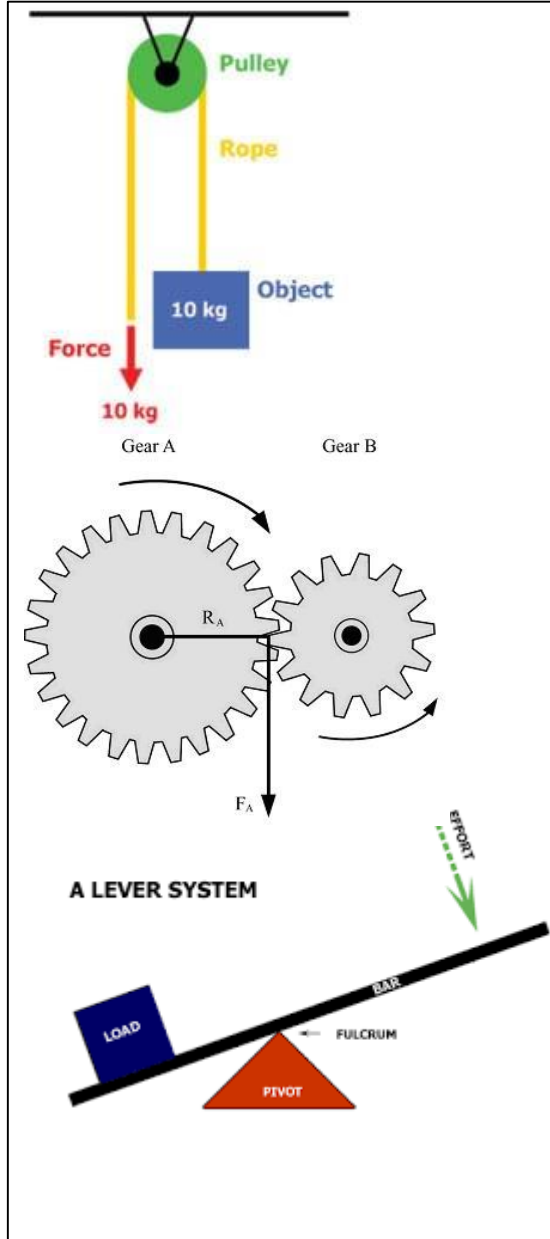
Water resistance-the force that slows an object moving through water.

Levers-an arm resting on a pivot, used to lift a load.

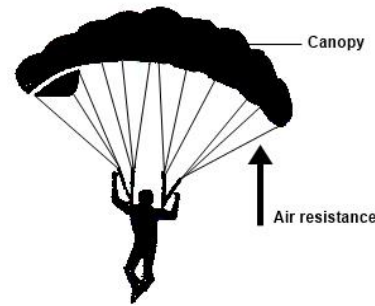
Pulleys-a wheel with a grooved rim and rope looped through, used to lift objects.

Gears-a wheel with teeth, used with others of different sizes to move objects.

Mechanism-parts working together in a machine.to make it move.



Let's investigate!



What could you do with the canopy, to investigate air resistance?

Sir Isaac Newton

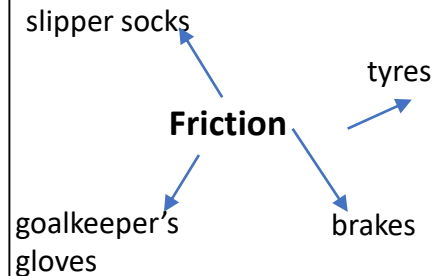
“What goes up, must come down!”



2nd Law of Motion: An object acted on by a force will accelerate in the direction of the force

3rd Law of Motion: For every action, there is an equal and opposite reaction.

Everyday uses



Any more?

What forces act along with water resistance?

