

Forces

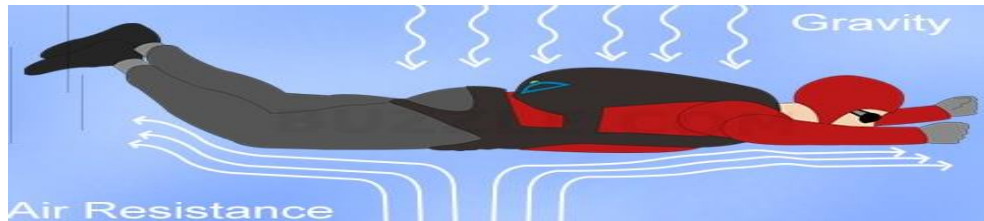
Force - A push or pull upon an object resulting from its interaction with another object



PUSH



PULL



Air resistance - A force that is caused by air with the force acting in the opposite direction to an object moving through the air



Water resistance - A force that is caused by water with the force acting in the opposite direction to an object moving through the water

Key Vocabulary

Gears - A toothed wheel that works with others to alter the speed of a driving mechanism (e.g. engine) and the speed of the driven parts (e.g. the wheels)

Gravity - The force that attracts a body towards the centre of the earth

Levers - A rigid bar resting on a pivot that is used to move a heavy or firmly fixed load

Mass - The weight measured by an objects acceleration under a given force or by the force exerted on it by gravity

Pulleys - A wheel with a grooved rim around that changes the direction of a force applied to the cord



Friction - The resistance that one surface or object encounters when moving over another. There is much less friction on surface A so it is easier to ski down!