

Highwood School—Year 5—Autumn 1— Forces



Air resistance is a type of friction which slows the fall of a parachute or a piece of paper in air: The bigger the surface area the greater the amount of air resistance.



Water resistance is another type of friction which slows objects moving through water:



The forces of gravity and upthrust need to be balanced for a ship to float.

Friction is the force between two surfaces - for example there is friction between a car tyre and the road, or a ski and snow. Melted snow between the ski and the snow lubricates the ski and reduces the friction.



Gears, pulleys and levers



Gears, pulleys and levers are machines that make work easier for us to do. They transfer a force and allow a small force to have a bigger effect.

