

Y2 SPR2 – Forces: Push You, Pull Me

Key Forces Vocabulary:

air resistance – the force of air pushing against an object

balanced forces – when forces are equal and balanced, objects are still

floating – when forces acting on a object in water are balanced, it will float

force – a push or a pull,

A force will make an object start to move, speed up, slow down or even stop.

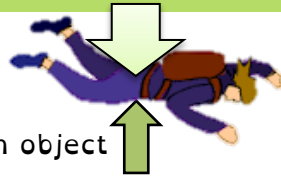
friction – a force that slows objects when they meet each other.

(A smooth surface has little friction).

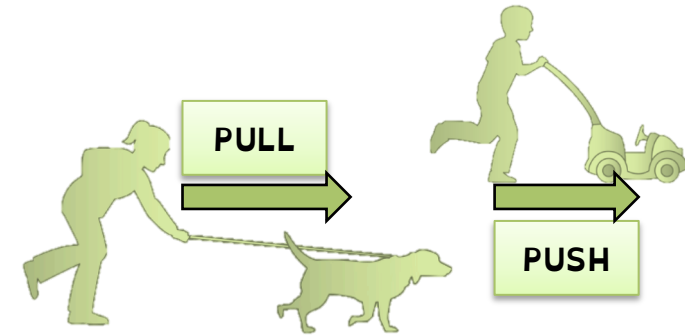
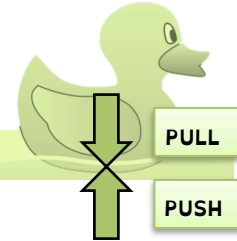
gravity – a pulling force that attracts all objects to each other,

(On Earth gravity pulls objects towards the ground).

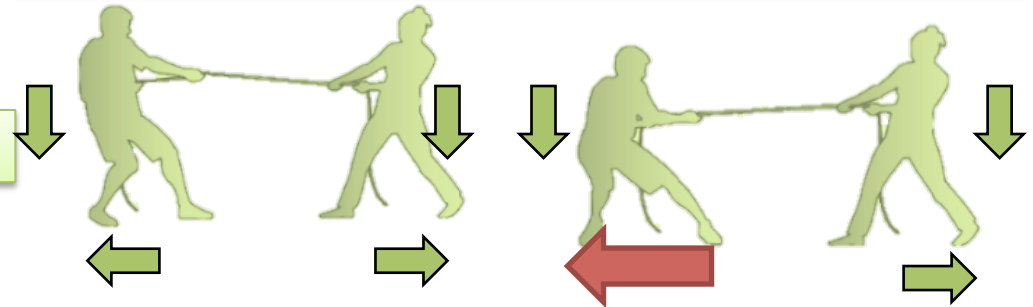
The cyclist pushes against the air resistance and surface friction



The duck floats



The tug of war is balanced then one side pulls with a greater force



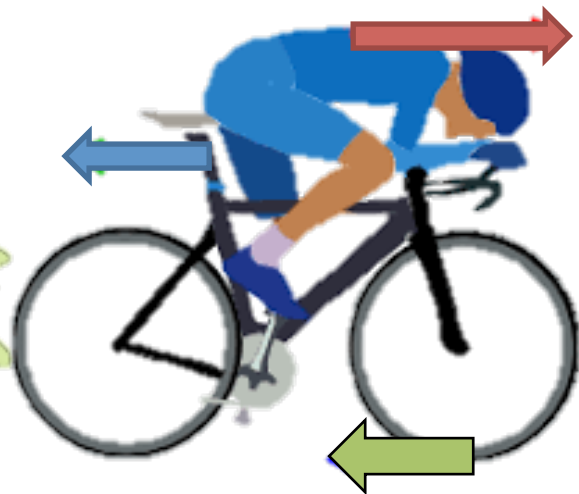
surface – the top layer of something

Different surfaces create different amounts of friction.

The amount of friction created by an object depends upon the roughness of the surface or the object and the force between them

Muscle force pushes the bicycle, making it move.

Friction and **air resistance** push against the bicycle, slowing it down.



PULL

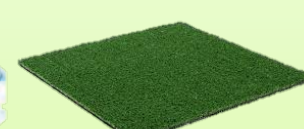
The apple falls because of gravity



road surface



ice surface



grass surface



wooden surface