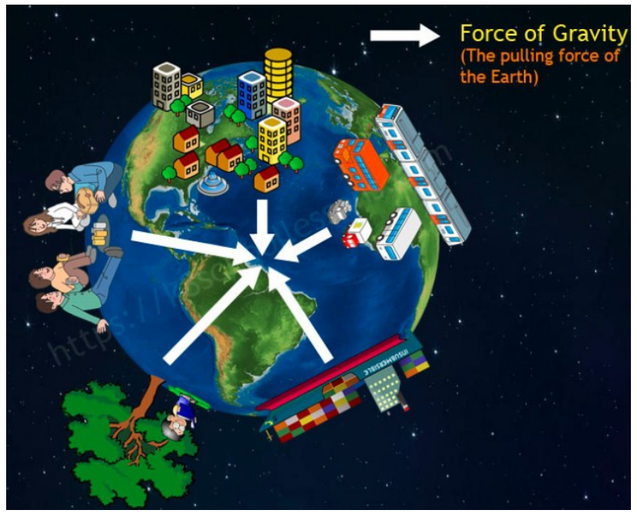
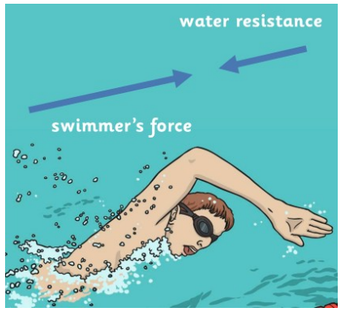
Y5 Science Knowledge Organiser – Forces

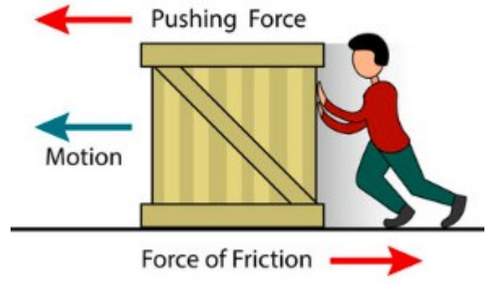
Vocabulary

Force	Pushes and pulls in a certain direction. A force can change the speed or shape of an object.
Contact force	A force between two objects touching each other.
Non-Contact force	A force that doesn't require physical contact between two objects.
Streamline	Having a shape that has little resistance to a flow of air or water.
Surface area	The total are of the surface of an object.
Weight	The pull of gravity on an object.



Friction Forces







Key Facts

- A stationary object will only move when the force applied is greater than the friction.
- Air resistance is greater when the surface area of an object is larger.
- Air resistance increases with speed.
- A more streamlined object will move through the air/water easier.
- Heavier objects do not fall to the ground quicker than lighter objects.

Mechanisms - A machine used to make moving or lifting things easier.

