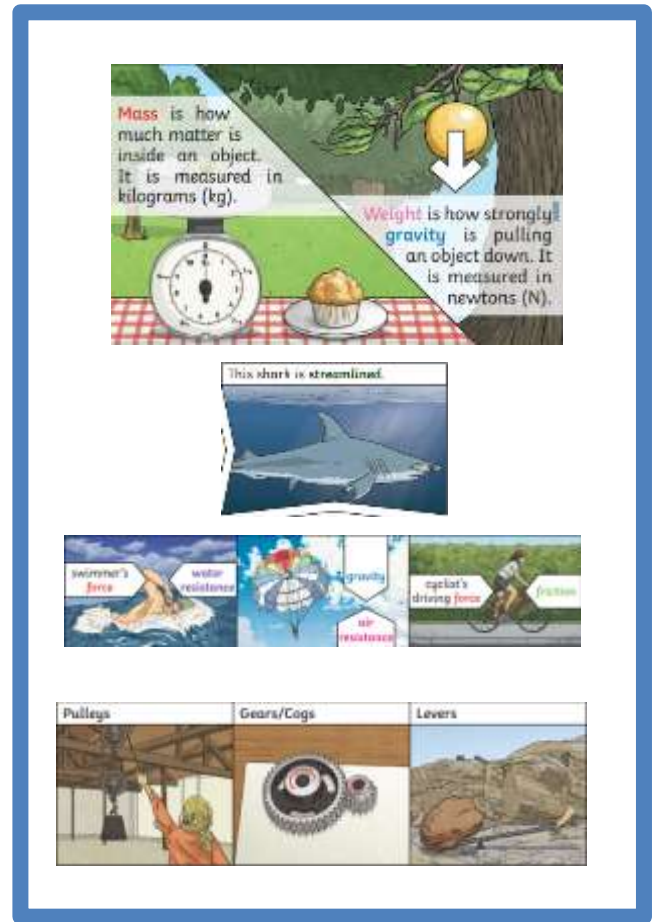




Summer 2				
Name of Topic	Forces		Year Group	5

Key Vocabulary and Spellings		
1	newton	a unit of force (N)
2	air resistance	is a type of friction between air and another material.
3	water resistance	A type of friction between water and another material
4	gravity	a force that makes things to move towards each other.
5	friction	a resistance that one surface or object encounters when moving over another
6	balanced	are two forces acting in opposite directions on an object, and equal in size.
7	fulcrum	he point against which a lever is placed to get a purchase, or on which it turns or is supported.
8	upthrust	An upward force on an object
9	force	a push or pull on an object.
10	magnetism	produced by the motion of electric charge, which results in attractive and repulsive forces between objects



Key Investigations	
1	Explore the effect of gravity by making craters.
2	Design and make your own parachute.
2	Drop different shaped plasticine into a cylinder of water.
3	Create your own lever or pulley.

Top 5 Topic Facts	
1	Objects fall towards the Earth because of a force known as Gravity.
2	Mass and weight are not the same thing.
3	Anytime there is a balanced force on an object, the object stays still or continues moving continues to move at the same speed and in the same direction.
4	Galileo identified that if there was no air resistance then all things would hit the ground at the same time.
5	Levers, pulleys and gears are simple machines, or mechanisms.

Key Questions of Enquiry	
1	What are the different types of forces?
2	Will a heavier object hit the ground first when dropped from the same height as a lighter object?
3	How can a smaller force have a greater effect?



London Colney Primary and Nursery School – Knowledge Organiser