

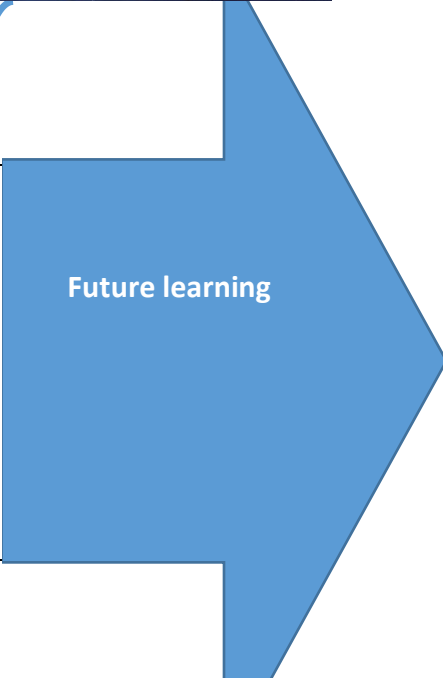
Year 7 topic 2: Forces and their effects

What I know from primary school science:

- What changes between the different seasons
- How to change the shape of objects
- Non-contact forces like Magnetic forces, contact forces like friction
- How magnets affect each other and how they affect magnetic and non-magnetic materials
- The structure of the solar system and how to explain day and night and the movement of the sun



How to draw force diagrams	How to draw a line graph	How to calculate speed	The difference between mass and weight and what the units of these quantities are	Naming and describing resistive forces and the effect they have on moving objects	Recall the different magnetic materials	Describe the solar system, galaxy and universe
How to classify forces as contact or non-contact	How to make a conclusion from a graph	How to use a scientific equation to calculate a quantity	How to use the equation linking weight and mass	How to reduce the effect of resistive forces	Describe what a magnetic field is	Describe how the big bang theory is evidence of an expanding universe.
	How to identify key variables				Draw the field pattern around two magnets to explain why they attract/repel	



Vocabulary: force, contact, non-contact, line-graph, variables (independent, dependent and control), speed, equation, weight, mass, newtons, kilograms, drag, air-resistance, lubrication, streamlining, magnetic field, field lines, attract, repel, iron, nickel, cobalt, solar system, universe, planet, moon, Big Bang theory

