



Forces – Physics

Lesson	Objective/s
Pre learning	<ul style="list-style-type: none">• Complete pre assessment task• Review previous knowledge.• Look at new knowledge organiser
Lesson 1	<ul style="list-style-type: none">• Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object• Identify the effects of air resistance, water resistance and friction
Lesson 2	<ul style="list-style-type: none">• Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object by measuring the force of gravity pulling on objects.• Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate
Lesson 3	<ul style="list-style-type: none">• To identify the effects of air resistance by investigating the best parachute to slow a person down.• Plan different types of scientific enquiries to answer questions, including recognising and controlling variables.
Lesson 4	<ul style="list-style-type: none">• To identify the effects of water resistance by creating and racing streamlined boats• Use test results to make predictions to set up further comparative and fair tests
Lesson 5	<ul style="list-style-type: none">• To identify the effects of friction by investigating brakes• Report and present findings from enquiries
Lesson 6	<ul style="list-style-type: none">• To recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect b
Post assessment	<ul style="list-style-type: none">• End of unit quiz