

# KS3 Progression of Forces

Yr 9

- Moments and levers
- Pneumatics and Hydraulics
- Pressure
- Parachutes
- Terminal velocity
- Unbalanced forces
- Speed and relative speeds

- Spotting relationships, writing eqations
- Application to real world machines
- Manipulating equations, analysing situations
- Designing, building, testing, evaluating
- Interpreting graphs, gradient and area
- Analysing and representing situations, vectors
- Using ICT to identify relationships

Yr 7

- Vehicle stopping distances
- Calculating and measuring speed
- Friction
- Mass and Weight
- Stretching forces and Hooke's law
- Balanced Forces
- Loating, sinking and density
- Measuring Forces
- What are Forces?

- Displaying data, linking speed and friction
- Datalogging, rearranging equations, units
- Investigating, controlling variables
- Measuring, calculating, abstract concept
- Measuring, recording, graphing and analysing
- Using vectors and resolving
- Drawing conclusions from experiments, calculations
- Using a Forcemeter or Newton Meter
- Observation and explaining, identifying

Content Progression

Forces

Skill Progression