



## Hooke's Law, Archimedes' principle and SHM kit

EQ028B

### Knowledge areas

Physics

### Key Experiments

Coil spring and Hooke's law

Work and energy in a mass system and coil spring

The buoyancy, experimental verification

Archimedes' principle

Determining the density of a solid by its buoyancy

The MHS in a mass and coil spring system, oscillating

Dynamic determination of a coil spring  $k$ , mass and spring oscillator

