

CAMBRIDGE PRIMARY CHECKPOINT PHYSICS SYLLABUS

Forces and energy

•6Pf.01 Describe the difference between mass, measured in kilograms (kg), and weight, measured in newtons (N)

6Pf.02 Describe the effect of gravity and know that when gravity changes, the weight of an object changes but the mass does not.

6Pf.03 Use force diagrams to show the name, size and direction of forces acting on an object.

6Pf.04 Describe the effect of different forces on an object at rest and in motion.

6Pf.05 Recognise that the mass and shape of an object can affect if it floats or sinks.

Light and sound

•6Ps.01 Describe how a ray of light changes direction when it is reflected from a plane mirror.

•6Ps.02 Describe how a ray of light changes direction when it travels through different mediums and know that this is called refraction.

Electricity and magnetism

•6Pe.01 Use diagrams and conventional symbols to represent, make and compare circuits that include cells, switches, lamps and buzzers.

•6Pe.02 Make simple circuits and compare the brightness of lamps in series and parallel circuits.