



Physics Learning Journey at Manor High School

Physics Paper 2
Forces, waves,
electromagnetism,
space*

Physics Paper 1:
Energy, electricity,
particles, atomic
structure

GCSES

Year
10

Year
11

Year
9

Year
8

Year
7

Loudspeakers *

Black body
radiation

Waves for
detection and
exploration *

Waves

Induced potential,
transformers and
National Grid *

Magnetism and
electromagnetism

Lenses *

Reflection
of waves
and sound
waves *

Static
electricity *

Pressure in
gases *

Nuclear fusion
and fission *

Moments,
levers and
gears *

Changes in
momentum *

Space
Physics *

Electricity

Particles

Atomic
structure

Use of
radiation*

Forces

Pressure *

Triple content only is hi
lighted *

Ohms
Law

Static
electricity

Assessment

Elastic
potential
energy

Energy
efficiency

Pivots and
moments

Forces and
motion

Resistance

Charge

Electricity

Work done
and power

Kinetic and
gravitational
energy

Pressure

Newtons
Laws

Convection

Latent energy

Electromagnets

Thermal
conductors
and
insulator

Conduction

Radiation

Assessment

Electricity:
Magnets and
magnetic fields

DC motors

Heating and
cooling

Hearing and
Not hearing

Longitudinal
and
transverse
waves

Visible light and
prisms

Reflection

Infrasound
and ultra
sound

Introduction to
sound

The eye and
the camera

Refraction

Introduction
to light

Global warming
and power
stations

Assessment

Series and
parallel circuits

Electrical
safety

Energy stores
and transfers

Energy
resources

Electric circuits

Current, voltage and
resistance

Introduction
to speed

Balanced and
unbalanced
forces

Air resistance
and friction

Introduction
to forces