

Science Learning Journey at Manor High School



GCSES



Pre public exams

Forces, waves,
electromagnetism,
space

Physics Paper 2

Chemistry Paper 2

Rates of reaction,
chemical analysis,
Earths resource and
atmosphere

YEAR
11

Biology Paper 2

Homeostasis,
inheritance, ecology

Atomic structure and
periodic table,
bonding, quantitative,
chemical changes and
energy transfer

Pre public
exams- Paper
1 and 2

Cells and organisation,
infection and
response,
bioenergetics

Pre public exams

Biology Paper 1

Chemistry Paper 1

Rates of reaction

Forces

Physics paper 1

Energy, electricity,
particles, atomic
structure

Forces

Pre public exams-



In Year 10 and 11,
assessments build from
KS3 content.

YEAR
10

Assessment 9

Energy

Covalent and ionic
bonds

Atomic
structure

Assessment 7

Forces and motion

Electricity

Health

Assessment 8



Periodic table

Cell structure
and transport

Pressure and
moments

Opportunity
to buy a KS4
revision
guide

YEAR
Y9

In Year 9, assessments
cover all prior learning
from year 7 and 8 to
support long term
memory

Magnets

Ceramics, polymers,
Composites

Recycling of metals

Carbon cycle

Sound

Heating and
cooling

Assessment 6



Metals extraction

Assessment 5

Endo and
exothermic reactions

Assessment 4

Gas exchange

Photosynthesis

Light

Chemical reactions

Inheritance and
evolution

Food and nutrition

Ecosystems

YEAR
Y8

In Year 8, assessments
cover all prior learning
from year 7 to support
long term memory

Skeletal and
muscular systems

Assessment 3

Rocks and rock
cycle

Reproduction

Chemical
reactions

Simple electric circuits

Animal and Plant
cells

Energy

Forces

Pure and impure
substance

Solids, liquids, gases

Opportunity to
purchase a
revision guide

Students follow a five year
curriculum where KS3 provides
the prior knowledge and skills
needed to access GCSE

Assessment 2

Solar
system

Assessment 1



Atoms, elements,
compounds

Health and safety
induction

YEAR
Y7