AQA Realising potential

Trilogy

A level Sciences – Biology, Chemistry and Physics
(Need grade 6 and above and grade 6 in Maths)

BTEC Science
(Need Grade 5 in Science)

Other post 16 options – Apprenticeships, other A level subjects, other BTEC subjects, other training, College?

Exam practice

YEAR 11

Physics

Revision of all topics
Left hand rule
Electromagnetism
Motor effect
P7 magnetism and electromagnetism
Magnetism
Electromagnetic properties and uses
Waves and Properties
P6 Waves
LCA
Water
Human activities
C10 Using resources
Pollutants
Greenhouse gases
Atmosphere
C9 Atmosphere

Chemsitry

Common gases
Formulations and chromatography
C8 Chemical analysis
Biodiversity

Biology

Organisation
B7 Ecology
Adaptation
Communities
Classification
Variation and evolution
Inheritance
B6 Inheritance
Fossils
Reproduction
Internal energy
P4 Atomic structure
Nuclear radiation
Half life
Work done
Braking
momentum
Forces and motion
Forces and interactions
P5 Forces
Atoms and isotopes
Particle model
P3 Particle model of matter
Fractional distillation
Carbon compounds
C7 Organic chemistry

YEAR 10

Chemsitry

Energy changes
Rate of reaction
C6 Chemical change
Collision theory
Exothermic and endothermic
Energy profiles
C5 Energy changes
Electrolysis
Reactions of acids
Reactivity
C4 Chemical changes

Biology

Feedback systems
Nervous system
Homeostasis
Hormones
B5 Homeostasis and response
Photosynthesis
Respiration
B4 Bioenergetics
Drugs
Human defenses
Communicable diseases
Vaccination
B3 Infection And response

Physics

Periodic table
Chemical bonds
Bonding and properties
C3 Quantitative chemistry
Amounts of substance
Energy changes
Energy resources
P2 Electricity
Safety
National grid
Energy transfer
Circuits
Current, P>D. and resistance
Conservation and dissipation of energy
P1 Energy

YEAR 9

Chemsitry

C1 Atoms and the periodic table
Atoms
C2 Bonding and structure
Structure and bonding of carbon
Equations and measurements

Biology

Plant organs and tissues
Tissues organs and systems
Principles of organisation
B2 Organisation
The heart and blood vessels
Transport in cells
cell specialisation
Cell structure
Cell division
Microscopy
Plant and animal cells
B1 Cells

Physics

Wave effects
Heating and Cooling
Energy
Magnetism
Electromagnets
Contact forces
Forces
Pressure
Electromagnets
Work
Waves
Wave properties

YEAR 8

Physics

Earth resources
Climate
Earth
Chemical energy
Reactions
Types of reaction
Elements
Inheritance
Photosynthesis

Chemsitry

Periodic table
Matter

Biology

Digestion
Ecosystems
Breathing
Respiration
Genes
Evolution
Organisms

Physics

Sound
Light
Waves
Energy costs
Energy
Energy transfer
Current
P.D and resistance
Electromagnets
Gravity
Speed
Forces

YEAR 7

Physics

Universe and space
Earth
Earth Structure and rocks

Chemsitry

Metals and non-metals
Separating mixtures
Matter
Acids and alkalis
Reactions
Particle model

Biology

Human reproduction
Variation
Genes
Plant reproduction
Ecosystems
Interdependence
Movement
Organisms
Cells