

Autumn Term

Spring Term

Summer Term

Start of year 7

Learning cycle 1

Energy transfers.
Particle model

Learning cycle 2

Cells and organisms.
Energy costs.
Separating mixtures

Learning cycle 3

Movement,
Speed,
Metals and
Non-metals

Learning cycle 4

Variation.
Earth structure,

Learning cycle 5

Contact forces,
Human reproduction.
Acids and Alkalis

Learning cycle 6

Gravity and the universe,
Digestion

Start of year 8

Learning cycle 1

Heating and cooling,
Work,
Chemical energy

Learning cycle 2

Breathing and circulation,
Magnetism,
Earth's resources

Learning cycle 3

Interdependence,
pressure,

Learning cycle 4

Climate,
Plant reproduction,

Learning cycle 5

Waves,
Elements and the periodic table,
electricity

Learning cycle 6

Respiration and photosynthesis,
Electromagnetism,
Types of reactions

Start of year 9

Learning cycle 1

Evolution,
Waves,
inheritance,
Drugs

Learning cycle 2

KS3 reteach

Learning cycle 3

Cell biology,
Atomic structure and periodic table

Learning cycle 4

Energy,
Organisation

Learning cycle 5

Electricity,
Bonding and structure

Learning cycle 6

Bonding and structure
Revision

Autumn Term

Spring Term

Summer Term

Start of year 10

Learning cycle 1

Energy,
Organisation,
Electricity

Learning cycle 2

Electricity,
Bonding and
structure, Infe
ction and
response

Learning cycle 3

Particle model
of matter,
Chemical
changes,
bioenergetics

Learning cycle 4

Quantitative
chemistry,
Atomic
structure

Learning cycle 5

Energy
changes,
Homeostasis
and
response

Learning cycle 6

Inheritance,
variation,
Evolution, Rate
and extent of
chemical change,
Organic
Chemistry.

Start of year 11

Learning cycle 1

Ecology,
Chemical
analysis,
Chemistry of
the
atmosphere

Learning cycle 2

Paper 1
Revision, Paper
1 Mock Exams,
Using Resources
, Waves

Learning cycle 3

Magnetism
and
Electromagn
etism. Forces

Learning cycle 4

Paper 2
Mocks,
GCSE
Revision

Learning cycle 5

GCSE
Revision.
GCSE
written
exams

Learning cycle 6

GCSE
written
exams

Exam specification

[GCSE Combined Science: Synergy Specification Specification for first teaching in 2016](http://www.aqa.org.uk)

[\[aqa.org.uk\]](http://www.aqa.org.uk)

Autumn Term

Spring Term

Summer Term

Start of year 10

Learning cycle 1

Energy,
Organisation,
Electricity

Learning cycle 2

Electricity,
Bonding and
structure, Infe
ction and
response

Learning cycle 3

Particle model
of matter,
Chemical
changes,
bioenergetics

Learning cycle 4

Quantitative
chemistry,
Atomic
structure

Learning cycle 5

Energy
changes,
Homeostasis
and
response

Learning cycle 6

Inheritance,
variation,
Evolution

Start of year 11

Learning cycle 1

Rate and extent
of chemical
change,
Organic
Chemistry,
Ecology,

Learning cycle 2

Chemical
analysis, Chemistry
of the atmosphere
Paper 1 Mock
Exams,
Using Resources,
Waves

Learning cycle 3

Magnetism
and
Electromagn
etism. Forces

Learning cycle 4

Paper 2
Mocks,
Space,
GCSE
Revision

Learning cycle 5

GCSE
Revision,
GCSE
written
exams

Learning cycle 6

GCSE
written
exams

Exam specification

Biology: [GCSE Biology Specification Specification for first teaching in 2016 \(aqa.org.uk\)](http://aqa.org.uk)Chemistry: [GCSE Chemistry Specification Specification for first teaching in 2016 \(aqa.org.uk\)](http://aqa.org.uk)Physics: [GCSE Physics Specification Specification for first teaching in 2016 \(aqa.org.uk\)](http://aqa.org.uk)