

Syllabus and Curriculum Maps

These pages tell you where each topic of the AQA syllabus and the National Curriculum for Key Stage Three Science is covered in the Key Stage Three Science Targeted Workbooks range.

AQA Syllabus Map

3.1 — Forces

3.1.1 — Speed

Year 7 Topic 1
Year 8 Topics 1-2

3.1.2 — Gravity

Year 8 Topic 3

3.1.3 — Contact forces

Year 8 Topic 2

3.1.4 — Pressure

Year 9 Topic 1

3.2 — Electromagnets

3.2.1 — Voltage and resistance

Year 7 Topic 3
Year 8 Topic 4

3.2.2 — Current

Year 7 Topics 2-3
Year 8 Topic 4

3.2.3 — Electromagnets

Year 9 Topic 3

3.2.4 — Magnetism

Year 9 Topic 2

3.3 — Energy

3.3.1 — Energy costs

Year 7 Topic 5

3.3.2 — Energy transfer

Year 7 Topic 4

3.3.3 — Work

Year 9 Topic 4

3.3.4 — Heating and cooling

Year 9 Topic 5

3.4 — Waves

3.4.1 — Sound

Year 7 Topic 6

3.4.2 — Light

Year 7 Topic 7
Year 8 Topic 5

3.4.3 — Wave effects

Year 8 Topic 6

3.4.4 — Wave properties

Year 9 Topic 6

3.5 — Matter

3.5.1 — Particle model

Year 7 Topics 8-9

3.5.2 — Separating mixtures

Year 7 Topic 10
Year 8 Topic 7

3.5.3 — Periodic table

Year 9 Topic 7

3.5.4 — Elements

Year 9 Topics 7-8

3.6 — Reactions

3.6.1 — Metals and non-metals

Year 7 Topic 12
Year 8 Topic 9

3.6.2 — Acids and alkalis

Year 7 Topic 11
Year 8 Topic 8

3.6.3 — Chemical energy

Year 9 Topic 10

3.6.4 — Types of reaction

Year 9 Topic 9

3.7 — Earth

3.7.1 — Earth structure

Year 7 Topic 13

3.7.2 — Universe

Year 8 Topic 10

3.7.3 — Climate

Year 9 Topic 11

3.7.4 — Earth resources

Year 9 Topic 12

3.8 — Organisms

3.8.1 — Movement

Year 8 Topic 11

3.8.2 — Cells

Year 7 Topics 14-15

3.8.3 — Breathing

Year 9 Topic 13

3.8.4 — Digestion

Year 8 Topic 12

3.9 — Ecosystems

3.9.1 — Interdependence

Year 7 Topic 16

3.9.2 — Plant reproduction

Year 8 Topic 13

3.9.3 — Respiration

Year 9 Topic 14

3.9.4 — Photosynthesis

Year 9 Topic 15

3.10 — Genes

3.10.1 — Variation

Year 7 Topic 17

3.10.2 — Human reproduction

Year 8 Topic 14

3.10.3 — Evolution

Year 8 Topic 15

3.10.4 — Inheritance

Year 9 Topic 16

Syllabus and Curriculum Maps

National Curriculum Map

Biology

Structure and function of living organisms

Cells and organisation

Year 7 Topics 14-15

The skeletal and muscular systems

Year 8 Topic 11

Nutrition and digestion

Year 8 Topic 12

(humans)

Year 9 Topic 15 (plants)

Gas exchange systems

Year 9 Topic 13

(humans)

Year 9 Topic 15 (plants)

Reproduction

Year 8 Topic 13 (plants)

Year 8 Topic 14

(humans)

Health

Year 7 Topic 15

Material cycles and energy

Photosynthesis

Year 9 Topic 15

Cellular respiration

Year 9 Topic 14

Interactions and interdependencies

Relationships in an ecosystem

Year 7 Topic 16

Genetics and evolution

Inheritance, chromosomes, DNA and genes

Year 7 Topic 17

Year 8 Topic 15

Year 9 Topic 16

Chemistry

The particulate nature of matter

Year 7 Topics 8-9

Atoms, elements and compounds

Year 7 Topic 8

Year 9 Topics 7-9

Pure and impure substances

Year 7 Topics 9-10

Year 8 Topic 7

Chemical reactions

Year 7 Topic 11

Year 8 Topics 8-9

Year 9 Topics 9-10

Energetics

Year 7 Topic 8

Year 9 Topic 10

The Periodic Table

Year 7 Topic 12

Year 8 Topic 9

Year 9 Topic 7

Materials

Year 8 Topic 9

Year 9 Topic 8

Earth and atmosphere

Year 7 Topic 13

Year 9 Topics 11-12

Physics

Energy

Calculation of fuel uses and costs in the domestic context

Year 7 Topic 5

Energy changes and transfers

Year 7 Topic 4

Year 9 Topics 4-5

Changes in systems

Year 7 Topic 4

Motion and forces

Describing motion

Year 7 Topic 1

Year 8 Topic 1

Forces

Year 7 Topic 2

Year 8 Topics 2-3

Year 9 Topics 2 and 4

Pressure in fluids

Year 9 Topic 1

Balanced forces

Year 8 Topic 2

Forces and motion

Year 8 Topic 2

Waves

Observed waves

Year 9 Topic 6

Sound waves

Year 7 Topic 6

Energy and waves

Year 8 Topic 6

Light waves

Year 7 Topic 7

Year 8 Topic 5

Electricity and

electromagnetism

Current electricity

Year 7 Topic 3

Year 8 Topic 4

Static electricity

Year 7 Topic 2

Magnetism

Year 9 Topics 2-3

Matter

Physical changes

Year 7 Topics 8-9

Year 8 Topic 8

Year 9 Topic 9

Particle model

Year 7 Topic 8

Energy in matter

Year 7 Topic 8

Space physics

Year 8 Topic 10