

How to revise

As you get closer to exams, you should focus on practicing past exam papers and questions.

Mark these with the mark scheme to see what you know and where your gaps are.

You should then watch GCSE pods and use the revision guides to create post-it notes and flashcards on your weaker areas. Revisit these every time you revise.

Flashcards – With key information summarised on them. For quick and easy retrieval. Can be used with look-cover-write-check technique.

Knowledge organisers – With key information summarised on them. For quick and easy retrieval. Can be used with look-cover-write-check technique.

Revision guide & exam practice workbook – Use the information in the revision guides and answer the corresponding questions in the exam practice workbook.

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Past papers – Use the AQA website to download and complete past papers and then check answers against the mark schemes.

What to revise – GCSE Combined Science – Trilogy (Foundation)

See below for the list of topics that are going to be the main focus of your exams. Also see which required practicals will be assessed and, when revising, you can ignore the topics that are not being assessed.

SCIENCE

BIOLOGY PAPER 1 - FOUNDATION

What will be assessed?

- 4.1.2 Cell division
- 4.2.2 Animal tissues, organs & organ systems
- 4.3.1 Communicable diseases
- 4.4.1 Photosynthesis

Required Pracs

- (RP1) Use of a light microscope
- (RP3) Food tests
- (RP5) Photosynthesis

Topics NOT being assessed

- 4.1.3.2 Osmosis
- 4.1.3.3 Active transport
- 4.2.2.4 Coronary heart disease: a non-communicable disease
- 4.4.1.3 Uses of glucose from photosynthesis
- 4.4.2 Respiration

SCIENCE

CHEMISTRY PAPER 1 - FOUNDATION

What will be assessed?

- 5.1.2 The periodic table
- 5.2.2 How bonding and structure are related to the properties of substances
- 5.2.3 Structure and bonding of carbon
- 5.4.1 Reactivity of metals
- 5.4.2 Reactions of acids
- 5.4.3 Electrolysis

Required Pracs

- (RP8) Preparation of a pure, dry salt
- (RP9) Electrolysis of aqueous solution
- (RP10) The effect of temperature change on chemical reactions

Topics NOT being assessed

- N/A

SCIENCE

PHYSICS PAPER 1 - FOUNDATION

What will be assessed?

- 6.1.1 Energy changes in a system, and the ways energy is stored before and after such changes
- 6.1.3 National and global energy resources
- 6.2.1 Current, potential difference and resistance
- 6.3.1 Changes of state and the particle model
- 6.4.2 Atoms and nuclear radiation

Required Pracs

- (RP14) Specific heat capacity
- (RP15) IV Characteristics

Topics NOT being assessed

- 6.2.3 Domestic uses and safety
- 6.3.3 Particle model and pressure
- 6.4.1 Atoms and isotopes

SCIENCE

BIOLOGY PAPER 2 - FOUNDATION

What will be assessed?

- 4.5.3 Hormonal control in humans
- 4.6.1 Reproduction
- 4.7.1 Adaptations, interdependence and competition
- 4.7.2 Organisation of an ecosystem

Required Pracs

- (RP7) Sampling techniques

Topics NOT being assessed

- 4.5.2 The human nervous system
- 4.5.3.3 Hormones in human reproduction
- 4.5.3.4 Contraception
- 4.6.1.1 Sexual and asexual reproduction
- 4.6.1.2 Meiosis
- 4.6.1.6 Sex determination
- 4.6.2.1 Variation
- 4.6.2.2 Evolution
- 4.6.2.3 Selective breeding
- 4.6.3.3 Extinction
- 4.6.3.4 Resistant bacteria
- 4.7.1.4 Adaptations
- 4.7.3.1 Biodiversity
- 4.7.3.3 Land use
- 4.7.3.4 Deforestation
- 4.7.3.5 Global warming
- 4.7.3.6 Maintaining biodiversity

SCIENCE

CHEMISTRY PAPER 2 - FOUNDATION

What will be assessed?

- 5.6.1 Rate of reaction
- 5.6.2 Reversible reactions and dynamic equilibrium
- 5.7.1 Carbon compounds as fuels and feedstock
- 5.8.1 Purity, formulations and chromatography
- 5.9.1 The composition and evolution of the Earth's atmosphere
- 5.9.3 Common atmospheric pollutants and their sources
- 5.10.1 Using the Earth's resources and obtaining potable water

Required Pracs

- (RP11) Concentration & rate
- (RP12) Paper chromatography

Topics NOT being assessed

- 5.9.2 Carbon dioxide and methane as greenhouse gases

SCIENCE

PHYSICS PAPER 2 - FOUNDATION

What will be assessed?

- 6.5.1 Forces and their interactions
- 6.5.4.1 Describing motion along a line
- 6.5.4.2 Forces, accelerations and Newton's Laws of motion
- 6.5.4.3 Forces and braking
- 6.6.2 Electromagnetic waves
- 6.7.1 Permanent and induced magnetism, magnetic forces and fields
- 6.7.2 The motor effect

Required Pracs

- (RP21) Infrared radiation

Topics NOT being assessed

- 6.5.3 Forces and elasticity

What to revise – GCSE Combined Science – Trilogy (Higher)

See below for the list of topics that are going to be the main focus of your exams. Also see which required practicals will be assessed and, when revising, you can ignore the topics that are not being assessed.

SCIENCE

BIOLOGY PAPER 1 - HIGHER

What will be assessed?

- 4.1.2 Cell division
- 4.2.2 Animal tissues, organs & organ systems
- 4.4.1 Photosynthesis

Required Pracs

- (RP3) Food tests
- (RP4) Amylase
- (RP5) Photosynthesis

Topics NOT being assessed

- 4.1.1.5 Microscopy
- 4.1.3 Transport in cells
- 4.2.3 Plant tissues, organs and systems
- 4.3.1.2 Viral diseases
- 4.3.1.4 Fungal diseases
- 4.3.1.5 Protist diseases
- 4.3.1.6 Human defence systems
- 4.4.1.3 Uses of glucose from photosynthesis
- 4.4.2.2 Response to exercise

SCIENCE

CHEMISTRY PAPER 1 - HIGHER

What will be assessed?

- 5.2.2 How bonding and structure are related to the properties of substances
- 5.3.2 Use of amount of substance in relation to masses of pure substances
- 5.4.1 Reactivity of metals
- 5.4.2 Reactions of acids
- 5.4.3 Electrolysis
- 5.5.1 Exothermic and endothermic reactions

Required Pracs

- (RP8) Preparation of a pure, dry salt
- (RP9) Electrolysis of aqueous solution
- (RP10) The effect of temperature change on chemical reactions

Topics NOT being assessed

- N/A

SCIENCE

PHYSICS PAPER 1 - HIGHER

What will be assessed?

- 6.1.1 Energy changes in a system, and the ways energy is stored before and after such changes
- 6.2.4 Energy transfers
- 6.3.1 Changes of state and the particle model
- 6.3.3 Particle model and pressure
- 6.4.1 Atoms and isotopes
- 6.4.2 Atoms and nuclear radiation

Required Pracs

- (RP14) Specific heat capacity
- (RP15) IV Characteristics

Topics NOT being assessed

- 6.2.2 Series and parallel circuits
- 6.2.3 Domestic uses and safety
- 6.3.2 Internal energy and energy transfers

SCIENCE

BIOLOGY PAPER 2 - HIGHER

What will be assessed?

- 4.5.3 Hormonal control in humans
- 4.7.2 Organisation of an ecosystem
- 4.7.3 Biodiversity and the effect of human interaction on an ecosystem

Required Pracs

- (RP7) Sampling techniques

Topics NOT being assessed

- 4.5.2 The human nervous system
- 4.5.3.4 Contraception
- 4.6.1.1 Sexual and asexual reproduction
- 4.6.1.3 DNA and the genome
- 4.6.1.4 Genetic inheritance
- 4.6.1.5 Inherited disorders
- 4.6.1.6 Sex determination
- 4.6.2 Variation and evolution
- 4.6.3 The development of understanding of genetics and evolution
- 4.7.1.4 Adaptations
- 4.7.3.3 Land use
- 4.7.3.4 Deforestation

SCIENCE

CHEMISTRY PAPER 2 - HIGHER

What will be assessed?

- 5.6.1 Rate of reaction
- 5.6.2 Reversible reactions and dynamic equilibrium
- 5.7.1 Carbon compounds as fuels and feedstock
- 5.8.1 Purity, formulations and chromatography
- 5.9.1 The composition and evolution of the Earth's atmosphere
- 5.10.1 Using the Earth's resources and obtaining potable water

Required Pracs

- (RP11) Concentration & rate
- (RP12) Paper chromatography

Topics NOT being assessed

- 5.8.2 Identification of common gases

SCIENCE

PHYSICS PAPER 2 - HIGHER

What will be assessed?

- 6.5.1 Forces and their interactions
- 6.5.4.1 Describing motion along a line
- 6.5.4.2 Forces, accelerations and Newton's Laws of motion
- 6.5.5 Momentum
- 6.6.2 Electromagnetic waves
- 6.7.2 The motor effect

Required Pracs

- (RP21) Infrared radiation

Topics NOT being assessed

- 6.5.3 Forces and elasticity
- 6.5.4.3 Forces and braking
- 6.7.1 Permanent and induced magnetism, magnetic forces and fields

What
resources to
use

