

Biology (1 GCSE)

Exam Dates:

Core Biology: 16th May

Additional Biology: 9th June

Further Biology: 9th June

Exam Overview:

Biology: 3 Biology papers – Core, Additional & Further. Each 1 hour (60 marks/25%).

Controlled assessment (ISA) – remaining 25%.

Guide to Exam Papers:

Core Biology

1. Keeping healthy
2. Co-ordination & control
3. Medicine and drugs
4. Adaptation for survival
5. Energy in biomass
6. Variation, reproduction & new technology
7. Evolution

Additional Biology

1. Cells, tissues & organs
2. Organisms in the environment
3. Enzymes
4. Energy from respiration
5. Simple inheritance in animals & plants
6. Old & new species

Further Biology

1. Exchange of materials
2. Transporting materials
3. Keeping internal conditions constant
4. How humans can affect the environment

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Areas of Revision

GCSE Science glossaries; Application of scientific ideas to unfamiliar contexts; Numeracy skills; Literacy skills

Revision Tips

The following methods will develop understanding and long term retention. They are presented in an increasing level of difficulty.

Match cards – Good starting point with ideas and concepts that are still relatively unfamiliar. This provides opportunities to develop recognition.

Cover and recall and quick quizzes – these are a step-up from match cards as it becomes more challenging to recall the information.

Mind maps and SOLO hexagons – Encourages development and understanding of links within topics and between topics.

Past papers – Analyse papers to identify (in this order): Trigger information; Question stems; Key science information; number of marks available. Then attempt questions using challenging times. After marking, analyse your responses and look for strengths, weaknesses and next steps to improve.

Core and Additional Science (2 GCSE's)

Exam Dates:

Core Biology: 16th May

Core Chemistry: 17th May

Core Physics: 24th May

Additional Biology: 9th June

Additional Chemistry: 14th June

Additional Physics: 16th June

Exam Overview:

Core Science: 3 Core papers - Biology, Chemistry & Physics. Each 1 hour (60 marks/25%).

Controlled assessment (Core ISA) – remaining 25%.

Additional Science: 3 Additional papers - Biology, Chemistry & Physics. Each 1 hour (60 marks/25%).

Controlled assessment (Additional ISA) – remaining 25%.

Guide to Exam Papers:

Core Biology

1. Keeping healthy
2. Co-ordination & control
3. Medicine and drugs
4. Adaptation for survival
5. Energy in biomass
6. Variation, reproduction & new technology
7. Evolution

Core Chemistry

1. Fundamental ideas
2. Rocks & building materials
3. Metals and their uses
4. Crude oils & fuels
5. Products from oil
6. Plant oils
7. Our Changing planet

Core Physics

1. Energy transfer by heating
2. Using energy
3. Electrical energy
4. Generating electricity
5. Waves
6. Electromagnetic waves

Additional Biology

1. Cells, tissues & organs
2. Organisms in the environment
3. Enzymes
4. Energy from respiration
5. Simple inheritance in animals & plants
6. Old & new species

Additional Chemistry

1. Structure & bonding
2. Structure & properties
3. How much?
4. Rates & energy
5. Salts & electrolysis

Additional Physics

1. Motion
2. Forces
3. Work, energy & momentum
4. Current electricity
5. Mains electricity
6. Radioactivity
7. Energy from the nucleus

Areas of Revision

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Chemistry (1 GCSE)

Exam Dates:

Core Chemistry: 17th May

Additional Chemistry: 14th June

Further Chemistry: 14th June

Exam Overview:

Chemistry: 3 Chemistry papers – Core, Additional & Further. Each 1 hour (60 marks/25%).

Controlled assessment (ISA) – remaining 25%.

Guide to Exam Papers:

Core Chemistry

1. Fundamental ideas
2. Rocks & building materials
3. Metals and their uses
4. Crude oils & fuels
5. Products from oil
6. Plant oils
7. Our Changing planet

Additional Chemistry

1. Structure & bonding
2. Structure & properties
3. How much?
4. Rates & energy
5. Salts & electrolysis

Further Chemistry

1. The periodic table
2. Water
3. Energy calculations
4. Analysis and synthesis
5. Organic chemistry

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Physics (1 GCSE)

Exam Dates:

Core Physics: 24th May

Additional Physics: 16th June

Further Physics: 16th June

Exam Overview:

Physics: 3 Physics papers – Core, Additional & Further. Each 1 hour (60 marks/25%).

Controlled assessment (ISA) – remaining 25%.

Guide to Exam Papers:

Core Physics

1. Energy transfer by heating
2. Using energy
3. Electrical energy
4. Generating electricity
5. Waves
6. Electromagnetic waves

Additional Physics

1. Motion
2. Forces
3. Work, energy & momentum
4. Current electricity
5. Mains electricity
6. Radioactivity

Further Physics

1. Medical applications of physics
2. Using physics to make things work
3. Using magnetic fields to keep things moving

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