

GCSE Separate Science Revision Plan

| Week | Biology | Chemistry | Physics |
|--------------------------------|--|---|--|
| 1 12.01.26 | Cell structure, division + transport <i>Respiratory</i> <i>Digestive</i> <i>Circulatory</i> | The atom + Periodic Table <i>Atomic structure + periodic table</i> | Energy stores + transfers by heating <i>Work, power+efficiency</i> <i>Energy demands</i> |
| 2 19.01.26 | Organisation in animals | Covalent, ionic + metallic bonding + structure | National + global energy resources |
| | <i>Respiratory</i> <i>Digestive</i> <i>Circulatory</i> | Transition metals + nanoparticles | <i>Work, power+efficiency</i> <i>Energy demands</i> |
| 3 26.01.26 | Organisation in plants | Chemical calculations (quantitative) | Supplying energy + electric circuits |
| 4 02.02.26 | Spread of diseases (communicable) | Reactions of metals Reactions of acids | Energy of matter (particle model of matter) |
| 5 09.02.26 | Preventing + treating disease Monoclonal antibodies | Electrolysis Energy changes | Atoms Nuclear radiation <i>Atomic structure</i> |
| 6 16.02.26 Half Term | Non-communicable diseases | Rate of reaction Equilibrium (reversible) | Forces Pressure |
| 7 23.02.26 | Photosynthesis Respiration | Crude oil+ fuels | Speed |
| 8 02.03.26 | Nervous system Hormonal coordination (endocrine) | Organic reactions Polymers | Newton's laws of motion Braking + momentum |
| 9 09.03.26 | Variation Reproduction | Chemical analysis | Mechanical waves <i>Properties of waves</i> <i>Transverse + longitudinal</i> |
| 10 16.03.26 | Evolution | Earth's atmosphere | Electromagnetic waves, light + sound <i>Reflection + refraction</i> |

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| | | | <i>Sound waves, Lenses Black body radiation</i> |
| 11 23.03.26 | Adaptations Organising ecosystems | Using Earth's resources | Magnets + electromagnets Induced potential + transformers |
| 12 30.03.26 Easter | Practice Past Paper 1 | Practice Past Paper 1 | Practice Past Paper 1 |
| 13 06.04.26 Easter | Practice Past Paper 2 | Practice Past Paper 2 | Practice Past Paper 2 |
| 14 13.04.26 | Humans + biodiversity | Making our resources | Space |
| 15 20.04.26 | Cell biology – Organisation | Atomic structure & periodic table Bonding, structure & properties of matter | Energy Electricity |
| 16 27.04.26 | Infection & response Bioenergetics | Quantitative chemistry | Particle model of matter Atomic structure |
| 17 04.05.26 | Required practicals | Chemical changes Energy changes | Required practicals |
| 18 11.05.26 | Biology paper 1 Tuesday 12th May | Required practicals | <i>Your choice</i> |
| 19 18.05.26 | Homeostasis | Chemistry paper 1 Monday 18th May | Physics paper 1 Tuesday 2nd June |
| 20 25.05.26 Half Term | Inheritance, variation + evolution | Rates + equilibrium Organic chemistry | Forces |
| 21 01.06.26 | Ecology | Analysis Earth's resources | Waves |
| 22 08.06.26 | Biology paper 2 Monday 8th June | Chemistry paper 2 Friday 12th June | Electromagnetism Space |
| 23 15.06.26 | | | Physics paper 2 Monday 15th June |

Try and do 45 minutes to an hour then stop and do something else.

As well as revising the content using the suggested resources, you need to practice applying your knowledge to exam questions. Try to give the best answer you can, looking at the marks available to see how much you need to write. If you don't know the answer, this should be a trigger to look at the content again.

Once answered, use the mark scheme to review and improve.

What's in the papers?

Biology

Paper 1

What's assessed

Topics 1–4: Cell biology; Organisation; Infection and response; and Bioenergetics.

How it's assessed

- Written exam: 1 hour 45 minutes
- Foundation and Higher Tier
- 100 marks
- 50% of GCSE

Questions

- Multiple choice, structured, closed short answer and open response.

Paper 2

What's assessed

Topics 5–7: Homeostasis and response; Inheritance, variation and evolution; and Ecology.

How it's assessed

- Written exam: 1 hour 45 minutes
- Foundation and Higher Tier
- 100 marks
- 50% of GCSE

Questions

- Multiple choice, structured, closed short answer and open response.

Chemistry

Paper 1:

What's assessed

Topics 1–5: Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry, Chemical changes; and Energy changes.

How it's assessed

- Written exam: 1 hour 45 minutes
- Foundation and Higher Tier
- 100 marks
- 50% of GCSE

Questions

Multiple choice, structured, closed short answer and open response.

Paper 2:

What's assessed

Topics 6–10: The rate and extent of chemical change; Organic chemistry; Chemical analysis, Chemistry of the atmosphere; and Using resources.

Questions in Paper 2 may draw on fundamental concepts and principles from sections 4.1 to 4.3.

How it's assessed

- Written exam: 1 hour 45 minutes
- Foundation and Higher Tier
- 100 marks
- 50% of GCSE

Questions

Multiple choice, structured, closed short answer and open response.

Physics

Paper 1:

What's assessed

Topics 1–4: Energy; Electricity; Particle model of matter; and Atomic structure.

How it's assessed

- Written exam: 1 hour 45 minutes
- Foundation and Higher Tier
- 100 marks
- 50% of GCSE

Questions

- Multiple choice, structured, closed short answer and open response.

Paper 2:

What's assessed

Topics 5–8: Forces; Waves; Magnetism and electromagnetism; and Space physics.

Questions in paper 2 may draw on an understanding of energy changes and transfers due to heating, mechanical and electrical work and the concept of energy conservation from [Energy](#) and [Electricity](#).

How it's assessed

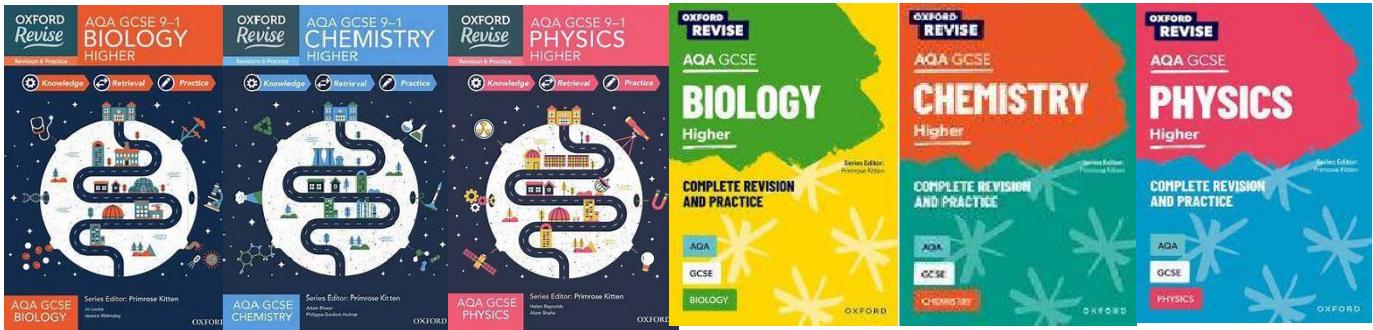
- Written exam: 1 hour 45 minutes
- Foundation and Higher Tier
- 100 marks
- 50% of GCSE

Questions

- Multiple choice, structured, closed short answer and open response.

Resources

1- Oxford Revise Revision and Practice Guide



2- BBC Bitesize

Biology: <https://www.bbc.co.uk/bitesize/examspecs/zpgcbk7>

Chemistry: <https://www.bbc.co.uk/bitesize/subjects/zs6hvcw>

Physics: <https://www.bbc.co.uk/bitesize/examspecs/zsc9rdm>

3- Kerboodle textbook (online)

<https://www.kerboodle.com/users/login>

Username: 20fsurname (20 followed by first letter of first name followed by surname)

Institution code: pru3

AQA GCSE Sciences (9-1)

AQA GCSE (Biology/Chemistry/Physics) Student Book

4- Seneca

<https://app.senecalearning.com/login>

Add courses (Biology/Chemistry/Physics: AQA GCSE Foundation/Higer)

5- Cognito

<https://www.youtube.com/channel/UCaGEe4KXZrjou9kQx6ezG2w>

6- Quizlet

<https://quizlet.com/gb>

7- Primrose kitten

Biology playlist:

https://www.youtube.com/playlist?list=PL7O6CcKg0HaGnykp12D8yVee_SEQdaEHH

Chemistry playlist:

https://www.youtube.com/playlist?list=PL7O6CcKg0HaGhn5E_LwNPH69bagsYQaJs

Physics playlist:

https://www.youtube.com/playlist?list=PL7O6CcKg0HaFYC_J92AxS1pfepJJK8kxt

8- Freesciencelessons

<https://www.youtube.com/@Freesciencelessons>

Science revision sessions to help you with required practicals are **Monday afterschool**.