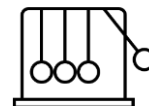
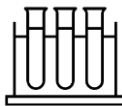




Subject content



Biology

1. Cell biology
2. Organisation
3. Infection and response
4. Bioenergetics
5. Homeostasis and response
6. Inheritance, variation and evolution
7. Ecology

Chemistry

1. Atomic structure and the periodic table
2. Bonding, structure, and the properties of matter
3. Quantitative chemistry
4. Chemical changes
5. Energy changes
6. The rate and extent of chemical change
7. Organic chemistry
8. Chemical analysis
9. Chemistry of the atmosphere
10. Using resources

Physics

1. Energy
2. Electricity
3. Particle model of matter
4. Atomic structure
5. Forces
6. Waves
7. Magnetism and electromagnetism
8. Space physics

Assessment

- There are six written exam papers: two biology, two chemistry and two physics.
- Each of the papers will assess knowledge and understanding from distinct topic areas.
- Each paper is 1 hour 45 minutes, worth 100 marks, and contributes to 50% of the GCSE.
- Questions are multiple choice, structured, closed short answer, and open response.

Biology Paper 1

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

Biology Paper 2

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

Chemistry Paper 1

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

Chemistry Paper 2

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

Physics Paper 1

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

Physics Paper 2

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

How should I revise

- Use your free revision guide provided by school.
- Make revision notes using strategies such as mind maps, Cornell notes, and foldables.
- Make use of online revision resources such as:
 - **Cognito Science** for videos walkthroughs and past paper questions by topic;
 - **BBC Bitesize** for revision notes and quizzes;
 - **Seneca Learning** for quizzes.
- Practise past examination questions including key question types including 4 and 6 mark level of response questions.

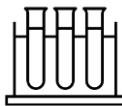


Subject content



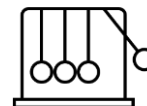
Biology

1. Cell biology
2. Organisation
3. Infection and response
4. Bioenergetics
5. Homeostasis and response
6. Inheritance, variation and evolution
7. Ecology



Chemistry

8. Atomic structure and the periodic table
9. Bonding, structure, and the properties of matter
10. Quantitative chemistry
11. Chemical changes
12. Energy changes
13. The rate and extent of chemical change
14. Organic chemistry
15. Chemical analysis
16. Chemistry of the atmosphere
17. Using resources



Physics

18. Energy
19. Electricity
20. Particle model of matter
21. Atomic structure
22. Forces
23. Waves
24. Magnetism and electromagnetism

Assessment

- There are six written exam papers: two biology, two chemistry and two physics.
- Each of the papers will assess knowledge and understanding from distinct topic areas.
- Each paper is 1 hour 15 minutes, worth 70 marks, and contributes to 16.7% of the GCSE.
- Questions are multiple choice, structured, closed short answer, and open response.

Biology Paper 1

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

Biology Paper 2

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

Chemistry Paper 1

Chemistry Topics 8–12: Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry; Chemical changes; and Energy changes.

Chemistry Paper 2

Chemistry topics 13–17: The rate and extent of chemical change; Organic chemistry; Chemical analysis; Chemistry of the atmosphere; and Using resources.

Physics Paper 1

Physics topics 18–21: Energy; Electricity; Particle model of matter; and Atomic structure.

Physics Paper 2

Physics topics 22–24: Forces; Waves; and Magnetism and electromagnetism

How should I revise

- Use your free revision guide, knowledge organiser / retriever provided by school.
- Make revision notes using strategies such as mind maps, Cornell notes, and foldables.
- Make use of online revision resources such as:
 - **Cognito Science** for videos walkthroughs and past paper questions by topic;
 - **BBC Bitesize** for revision notes and quizzes;
 - **Seneca Learning** for quizzes.
- Practise past examination questions including key question types including 4 and 6 mark level of response questions.