

Some background info:

Higher Tier, grades 9 to 4

Content is split into six teaching topics B1-B6 and a practical activity skills topic B7:

- Topic B1: Cell level systems
- Topic B2: Scaling up
- Topic B3: Organism level systems
- Topic B4: Community level systems
- Topic B5: Genes, inheritance and selection
- Topic B6: Global challenges
- Topic B7: Practical skills

Paper 3 assesses content from Topics B1–B3 and B7

Paper 4 assesses content from Topics B4–B6 and B7, with assumed knowledge of Topics B1–B3.

Paper 3
J247/03

90 marks

1 hour 45 minutes

Written paper

50%
of total
GCSE

Paper 4
J247/04

90 marks

1 hour 45 minutes

Written paper

50%
of total
GCSE

OCR Gateway: Biology:

15% =
Practical
Skills

10% =
Maths
Skills

Higher Tier, grades 9 to 4

<p>Content is split into six teaching topics C1-C6 and a practical activity skills topic C7:</p> <ul style="list-style-type: none">• Topic C1: Particles• Topic C2: Elements, compounds and mixtures• Topic C3: Chemical reactions• Topic C4: Predicting and identifying reactions and products• Topic C5: Monitoring and controlling chemical reactions• Topic C6: Global challenges <p>Paper 3 assesses content from Topics C1–C3 and C7.</p> <p>Paper 4 assesses content from Topics C4–C6 and C7, with assumed knowledge of Topics C1–C3.</p>	<p>Paper 3 J248/03</p> <p>90 marks</p> <p>1 hour 45 minutes</p> <p>Written paper</p>	<p>50% of total GCSE</p>
	<p>Paper 4 J248/04</p> <p>90 marks</p> <p>1 hour 45 minutes</p> <p>Written paper</p>	<p>50% of total GCSE</p>

Chemistry:

15% =
Practical
Skills

20% =
Maths
Skills

Higher Tier, grades 9 to 4

<p>Content is split into eight teaching topics P1-P8 and a practical activity skills topic P9:</p> <ul style="list-style-type: none">• Topic P1: Matter• Topic P2: Forces• Topic P3: Electricity• Topic P4: Magnetism and magnetic fields• Topic P5: Waves in matter• Topic P6: Radioactivity• Topic P7: Energy• Topic P8: Global challenges• Topic P9: Practical skills <p>Paper 3 assesses content from Topics P1–P4 and P9</p> <p>Paper 4 assesses content from Topics P5–P8, with assumed knowledge of Topics P1– P4 and P9</p>	<p>Paper 3</p> <p>J249/03</p> <p>90 marks</p> <p>1 hour 45 minutes</p> <p>Written paper</p>	<p>50% of total GCSE</p>
	<p>Paper 4</p> <p>J249/04</p> <p>90 marks</p> <p>1 hour 45 minutes</p> <p>Written paper</p>	

Physics:

15% =
Practical
Skills

30% =
Maths
Skills

Combined:

15% =
Practical
Skills

20% =
Maths
Skills

. This course may
be advised for a
few students

. Reduced content

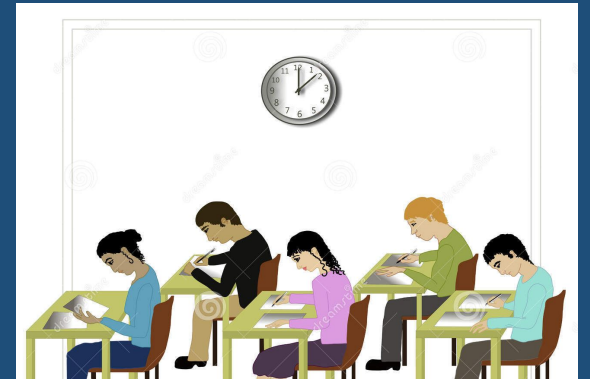
• 2 GCSEs

Higher Tier, grades 9–9 to 4–4		
<ul style="list-style-type: none">• Topic B1: Cell level systems• Topic B2: Scaling up• Topic B3: Organism level systems• Topic CS7: Practical skills (PAGs B1-B5)	Paper 7 (Biology) J250/07 1 hour 10 minutes 60 mark written paper	16.7% of total GCSE
<ul style="list-style-type: none">• Topic B4: Community level systems• Topic B5: Interaction between systems• Topic B6: Global challenges• Topic CS7: Practical skills (PAGs B1-B5) With assumed knowledge of B1–B3	Paper 8 (Biology) J250/08 1 hour 10 minutes 60 mark written paper	16.7% of total GCSE
<ul style="list-style-type: none">• Topic C1: Particles• Topic C2: Elements, compounds and mixtures• Topic C3: Chemical reactions• Topic CS7: Practical skills (PAGs C1-C5)	Paper 9 (Chemistry) J250/09 1 hour 10 minutes 60 mark written paper	16.7% of total GCSE
<ul style="list-style-type: none">• Topic C4: Predicting and identifying reactions and products• Topic C5: Monitoring and controlling chemical reactions• Topic C6: Global challenges• Topic CS7: Practical skills (PAGs C1-C5) With assumed knowledge of C1–C3	Paper 10 (Chemistry) J250/10 1 hour 10 minutes 60 mark written paper	16.7% of total GCSE
<ul style="list-style-type: none">• Topic P1: Matter• Topic P2: Forces• Topic P3: Electricity and magnetism• Topic CS7: Practical skill (PAGs P1-P6)	Paper 11 (Physics) J250/11 1 hour 10 minutes 60 mark written paper	16.7% of total GCSE
<ul style="list-style-type: none">• Topic P4: Waves and radioactivity• Topic P5: Energy• Topic P6: Global challenges• Topic CS7: Practical skills (PAGs P1-P6) With assumed knowledge of P1–P3	Paper 12 (Physics) J250/12 1 hour 10 minutes 60 mark written paper	16.7% of total GCSE

J250/08, J250/10 and J250/12 include synoptic assessment.

Some key dates:

- Dec '18: Biology, Chemistry & Physics mock exams. [P3]
- Apr '19: Additional Bio, Chem & Phy mock exams. [P4]
- 12/5/19: Biology Paper 3.
- 14/5/19: Chemistry Paper 3.
- 20/5/19: Physics Paper 3.
- 1/6/19: Biology Paper 4.
- 10/6/19: Chemistry Paper 4.
- 12/6/19: Physics Paper 4.



Some advice for them:

- Start now.
- Prioritise.
- Draw up a schedule and stick to it.
- 'Little & often'.
- 'Active' is best.
- Ask for help.
- Prepare as well as possible for mock exam.



Some revision resources:

- DIY:

 - 'flashcards', etc.

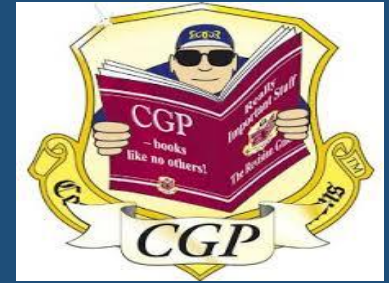
- CGP revision guides.

 - https://www.cgpbooks.co.uk/Parent/books_gcse_science.books_gcse_biology_revision#OCR

- BBC Bitesize website.

- CGP 'Test & Learn' app for phone.

- Specimen exam papers & mark schemes on OCR website.



Additional support:

- **Science Clinic:**

- Every Friday (3.15 - 4.15)(Jan - May).
- Personalised support from Science prefects.
- Supervised by Science staff.

- **Mentoring:**

- Weekly meeting.
- Personal Science prefect.



- **Booster sessions:**

- Selected Fridays (3.15 - 4.15)(Jan - May)

- Taught by Science staff.



What you can do to help:

- Ensure they have revision resources.
- Ensure they attend clinic/booster sessions.
- Gentle reminders! (& encouragement!)
- Be a 'Quiz master'.
- Speak to teacher(s) about any concerns you have.

