

Triple science students (X1 – X3)

GCSE Chemistry

Paper 1 mock 1hr 45minutes

Here is the list of topics that will be examined.

- Chapter 1 - Atomic Structure
- Chapter 2 – The Periodic Table
- Chapter 3 – Structure and Bonding
- Chapter 4 – Chemical Calculations
- Chapter 5 – Chemical Reactions
- Chapter 6 – Electrolysis
- Chapter 7 – Chemical Changes

You have the following resources to help you revise;

- Lesson resources – Knowledge organisers, power points, end of chapter tests and homework and teacher booklets, which are all available on Teams
- Seneca
- Doodle presentations and quizzes; www.doddlelearn.co.uk
- Maths and Physics tutor questions packs by topic;
<https://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/>
- AQA past papers; <https://www.aqa.org.uk/subjects/science/gcse/chemistry-8462/assessment-resources>

GCSE Biology

Paper 1 mock 1hr 45minutes

The AQA topics covered in this exam include:

- Unit 1: Cell Biology
- Unit 2: Organisation
- Unit 3: Infection & Response
- Unit 4: Bioenergetics

All of these units match the chapters set out in seneca. **You do not need a teacher to set seneca assignments for you.** You can work through any topics at any time by selecting from the list on the left of the screen once logged in (remember your log in is the same as your computer login)

The exam specifications for your course can be found here:

TRIPLE (X1-X3): [GCSE Biology Specification Specification for first teaching in 2016 \(aqa.org.uk\)](https://www.aqa.org.uk/subjects/science/gcse/biology-8462/specification)

Pages 16 - 40 list exactly what you need to know for each biology unit

In Year 10 you were given revision packs for Units 1-4 that included Knowledge Organisers, multichoice questions and links to Past Paper Questions that were organised by topic and grade (I have attached Unit 1 and Unit 2 to this email to remind you of what they looked like).

As you have already had these, we are not mass printing these for the year group. There will be extra copies of these stored in S17, so if you would like additional copies of Units 1 - 4 please just come and ask. OR access your Biology TEAM where you will find copies that you can print off yourself.

GCSE Physics

Here is a list of topics so that you can make a start on revision as soon as possible:

- unit 1 - energy
- unit 2 - electricity
- unit 3 - particle model of matter
- unit 4 - atoms and radiation

You can use the following sources for revision:

- Seneca
- GCSE Pod
- CGP revision guide
- your own classwork/booklet
- mathsandphysicstutor for exam questions

Combined Science (X4-Y4)

Students will sit 3 x 1hr 15minutes mock exams, one for each science. The topic lists and revision resources are below.

Chemistry

Here is the list of topics that will be examined.

- Chapter 1 - Atomic Structure
- Chapter 2 – The Periodic Table
- Chapter 3 – Structure and Bonding
- Chapter 4 – Chemical Calculations
- Chapter 5 – Chemical Reactions
- Chapter 6 – Electrolysis
- Chapter 7 – Chemical Changes

You have the following resources to help you revise;

- Lesson resources – Knowledge organisers, power points, end of chapter tests and homework and teacher booklets, which are all available on Teams
- Seneca
- Doodle presentations and quizzes; www.doddlelearn.co.uk
- Maths and Physics tutor questions packs by topic; <https://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/>
- AQA past papers; <https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/assessment-resources>

Biology

The AQA topics covered in this exam include:

- Unit 1: Cell Biology
- Unit 2: Organisation
- Unit 3: Infection & Response
- Unit 4: Bioenergetics

All of these units match the chapters set out in seneca. **You do not need a teacher to set seneca assignments for you.** You can work through any topics at any time by selecting from the list on the left of the screen once logged in (remember your log in is the same as your computer login)

The exam specifications for your course can be found here:

COMBINED (X4 - Y4): [GCSE Combined Science: Trilogy Specification Specification for first teaching in 2016 \(aqa.org.uk\)](https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/assessment-resources) pages 20 - 38 list exactly what you need to know for each biology unit

In Year 10 you were given revision packs for Units 1-4 that included Knowledge Organisers, multichoice questions and links to Past Paper Questions that were organised by topic and grade (I have attached Unit 1 and Unit 2 to this email to remind you of what they looked like).

As you have already had these, we are not mass printing these for the year group. There will be extra copies of these stored in S17, so if you would like additional copies of Units 1 - 4 please just come and ask. OR access your Biology TEAM where you will find copies that you can print off yourself.

Physics

Here is a list of topics so that you can make a start on revision as soon as possible:

- unit 1 - energy

- unit 2 - electricity
- unit 3 - particle model of matter
- unit 4 - atoms and radiation

You can use the following sources for revision:

- Seneca
- GCSE Pod
- CGP revision guide
- your own classwork/booklet
- mathsandphysicstutor for exam questions

Computer Science

You will sit a 1 hour 30 minutes Combined Paper, testing these topics from papers 1 and 2 (all topics taught so far):

- 1.1 Systems architecture
- 1.2 Memory and storage
- 1.3 Computer networks, connections and protocols
- 1.4 Network security
- 2.1 Algorithms
- 2.2 Programming fundamentals
- 2.3 Producing robust programs
- 2.4 Boolean logic
- 2.5 Programming languages and IDEs

You can use all of these resources to revise for the exam:

- [Smartrevise.online](https://www.smartreviseonline.com/)
- [SenecaLearning.com](https://www.senecalearning.com/)
- [GCSEPod.com](https://www.gcsepod.com/)
- Craig'n'Dave [videos](#) and your notes in Class Notebook
- Paul Long PDF textbooks in Teams Files tab or [here](#)
- Revision books (OCR GCSE 9-1 course J277) if you have them
- White CGP practice book (take this home if you wish)

I have a limited number of revision books and printed flashcards to lend out if you come and see me (Mr Harrison).

Creative iMedia

You will sit a past paper lasting 1 hour 15 minutes on unit R081 "Pre-Production Skills", just like the Mock you sat in June, and just like the proper external exam you will sit in January (your real "GCSE")

exam). You have a revision booklet from Mr. Harrison covering all content with tasks and past paper questions, but you can also use:

- Knowledge Organisers in the Files tab in Teams
- [eRevision.uk](https://www.eRevision.uk) interactive revision website
- [GCSEPod.com](https://www.gcsepod.com)