

Science at Richard Lander – Year 11



During Year 11 students will continue their GCSE journey in science, either studying combined or triple science based on their options. Students are set according to their science ability in combined science classes. The exam board used is AQA, and combined science students follow the Trilogy course.

The topics covered during this year include:

Biology

- The Human Nervous System & Hormonal Control (B10 & B11)
- Reproduction (B12)
- Variation & Evolution, Genetics & Evolution (B13 & B14)
- Organising an ecosystem, biodiversity and ecosystems (B16 & 17)
- *Homeostasis in action (B12) Triple only*
- *Genetics & Evolution (B15) Triple only*

Chemistry

- Rates & equilibrium, Crude oil & fuels (C8 & C9)
- Chemical analysis & The Earth's resources (C10 & C12)
- *Hydrocarbons (C9) Triple only*
- *Organic reactions & Polymers (C10 & C11) Triple only*
- *Using our resources C15) Triple only*

Physics

- Forces in balance and motion (P8 & P9)
- Forces & motion, Electromagnetism (P10 & P13)
- *Light (P14) Triple only*
- *Space (P16) Triple only*

Students will have a record card in the front of their exercise books that tells them the order they will cover these topics and their test scores at the end of each unit.

Mock exams

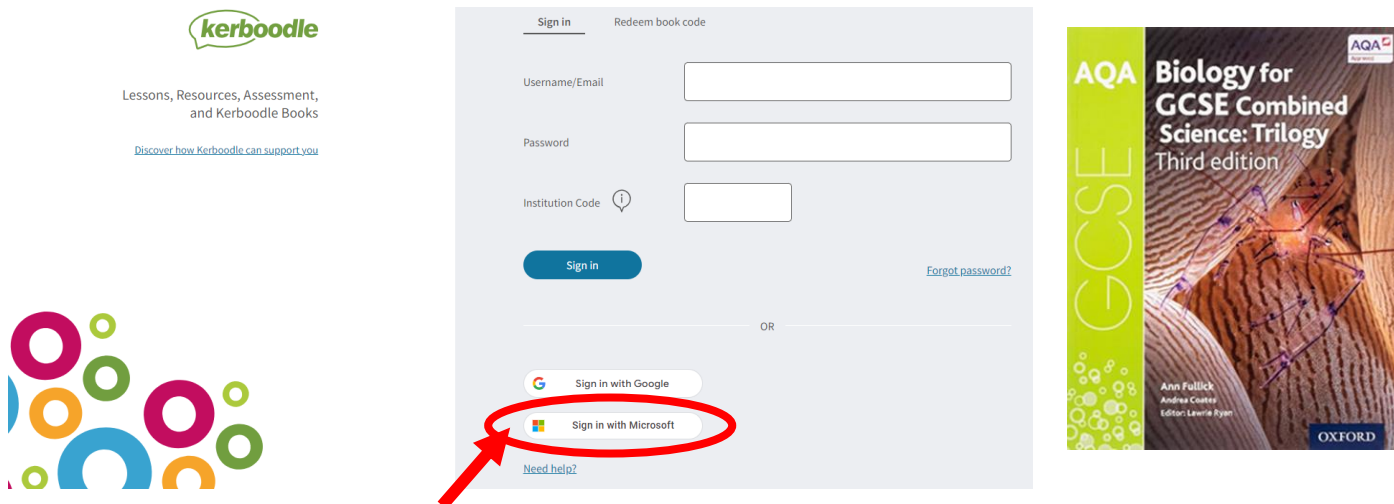
There will be 2 mock exam periods during Year 11. The first will be from the 4-15th November, and Paper 1 topics (covered in Years 9 and 10), will be examined within these papers. The second are from the 24th February – 7th March, and will be Paper 2 exams that include topics covered in Year 11.

Students will be advised on how to prepare for their exams using the revision resources on the following page. Students can also access past papers on the AQA website (<https://www.aqa.org.uk/find-past-papers-and-mark-schemes>).

Kerboodle

In science we use the Kerboodle website, where students are able to complete homework and access the online textbooks. Students must make sure they select either the Triple or Combined textbook when using this resource.

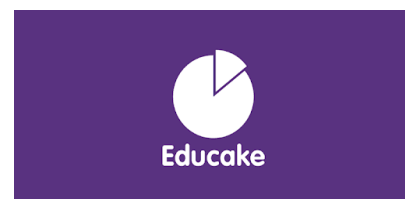
To login students should use 'sign in with Microsoft' on the home page, then use their usual school email and password.



The image shows the Kerboodle website interface on the left, featuring the logo and navigation links. In the center is a login form with fields for Username/Email, Password, and Institution Code, along with 'Sign in' and 'Forgot password?' buttons. Below the form are 'Sign in with Google' and 'Sign in with Microsoft' buttons, with a red circle and arrow highlighting the Microsoft option. On the right is the cover of the 'AQA GCSE Combined Science: Trilogy Third edition' textbook by Ann Fullick and Andrea Cooney, published by Oxford.

Educake

This year students will all be given an Educake account. This is a programme purchased by the school for students to use for revision and homework. Teachers will set assignments through Educake, and students will be able to complete quizzes and improve answers based on feedback.



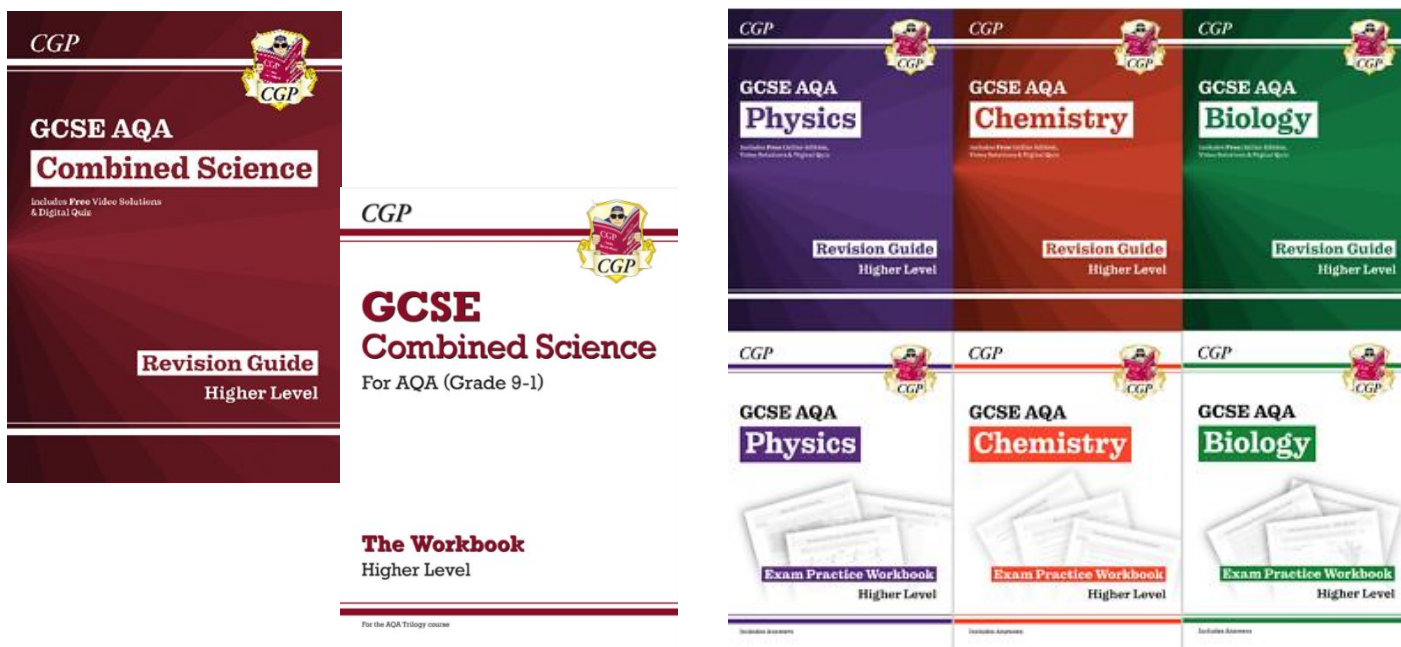
This short video shows the student experience on Educake:

<https://rltv.richardlander.cornwall.sch.uk/View.aspx?id=15420~59~q4KqSBopW8>

To login students will be given their username and password from their science teachers during their lesson. If they need their password to be re-set they will need to ask their science teacher.

Revision guides

We have revision guides and workbooks available to purchase through the school. These are available for Combined science or Triple science. Students can order these through Parent Pay and they will be delivered to them in lesson.



The image displays a grid of CGP revision guides and workbooks. On the left are two large covers: 'GCSE AQA Combined Science Revision Guide Higher Level' and 'GCSE Combined Science For AQA (Grade 9-1) The Workbook Higher Level'. On the right is a 2x3 grid of smaller covers for 'GCSE AQA Physics', 'GCSE AQA Chemistry', and 'GCSE AQA Biology', each with a 'Revision Guide Higher Level' and an 'Exam Practice Workbook Higher Level'.