

# Parent Information Evening:

## Combined Science: Trilogy



This information sheet is to work in support of the communication that occurred during this evening with regards to the development of your child's progress in Combined Science: Trilogy.

### Course:

AQA GCSE Combined Science: Trilogy (<https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464> )

Students will earn two GCSE awards for the study of Trilogy Science.

### Examination Breakdown:

- There will be a total of six exams for students in Trilogy Science (two each for biology, chemistry and physics).
- All exams are 1 hour and 15 minutes long and have a maximum of 70 marks. Each exam is worth 16.7% of the GCSE.
- The exam comprises of the following types of questions: multiple choice, structured questions, closed and open responses.
- Questions of a mathematical nature will feature in the exams as follows:
  - Biology – 10% of questions
  - Chemistry – 20% of questions
  - Physics – 30% of questions

	<b>Biology (Foundation and Higher Tier)</b>	<b>Chemistry (Foundation and Higher Tier)</b>	<b>Physics (Foundation and Higher Tier)</b>
<b>Paper 1</b>	<b>Topics B1-9</b> Cell Biology; Organisation; Infection and Response; Bioenergetics	<b>Topics C1-7</b> Atomic Structure and the Periodic Table; Bonding, Structure and the Properties of Matter; Quantitative Chemistry, Chemical Changes, Energy Changes	<b>Topics P1-7</b> Energy; Electricity; Particle Model of Matter; Atomic Structure
<b>Paper 2</b>	<b>Topics B10-18</b> Homeostasis and Response; Inheritance; Variation and Evolution; Ecology	<b>Topics C8-15</b> The Rate and Extent of Chemical Change; Organic Chemistry; Chemical Analysis; Chemistry of the Atmosphere; Using Resources	<b>Topics P8-16</b> Forces; Waves; Magnetism and Electromagnetism

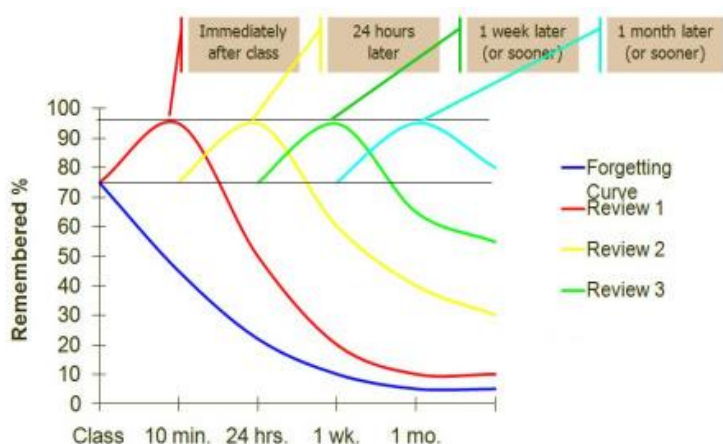
### Teaching Sets and Tiers:

All students are taught in mixed ability sets shared by two members of staff. All classes cover the full range of specification content from year 9 to year 11. This to ensure that all students can access the higher tier papers and can cope with the higher-demand questions.

However, some students do struggle with the more challenging concepts and will therefore perform better at foundation tier. This would mean that their potential grade would be capped at grade 5, but the questions would be lower to mid-demand and so grades 1-5 are easier to obtain. Final tier decisions are not made until the autumn of Year 11 and tier decisions will be communicated home via letter.

## Supporting Your Child's Progress:

Science is a **content-based curriculum**, which means students need to learn and recall key terminology, then make links between topic areas.



In each lesson, new content is introduced, and previous content interleaved. The figure below shows what happens to memory over time.

The key to the success of your child making progress in science is through the **continued revisiting of prior learning.**

This should be an “active” process, whereby your child should be testing whether they can recall previous knowledge.

Passive activities, like reading revision guides, watching video clips and reading class notes are proven to be the least

effective in students being able to successfully recall and apply knowledge under examination conditions. It also does not allow for them to access the higher order questions such as explain or analyse.

Some suggested “active” strategies that you can support your child with are:

- Completing Seneca revision using the class code they have been given by their teacher.
- Purchasing a suitable workbook and completing the practice questions for topics that have been taught.
- Accessing and using the ‘How to Revise’ revision resources shared by teachers and on Microsoft Stream
- Using Key Stage 4 BBC Bitesize to play the activities and take the quizzes/end of topic tests.
- Accessing the Padlet pages for support and exam-style questions:
  - o Biology: <https://padlet.com/dallison6/g5f3k590scut>
  - o Chemistry: <https://padlet.com/TubblyChemistry/GCSEChemistry>  
Password: BunsenBurner2022
  - o Physics: [padlet.com/cpriestleyphysics/GCSEAQA](https://padlet.com/cpriestleyphysics/GCSEAQA)

If you have any questions in the future regarding your child’s progress then please do not hesitate in contacting me via the school office.

Regards

Miss Sangar