

Exam Board & Course title: Gateway A Combined Science**Qan Code: 601/8687/2****Qualification:**

The Combined Science option leads to two GCSE qualifications in Science and is made up of Biology, Chemistry and Physics topics.

Level of course: For students considering taking A Levels in Science or other Science related courses, or for students who are interested or talented in Science and who are considering taking a non Science related vocation.

Assessment Methods:

The Combined Science GCSE has three components, Biology, Chemistry and Physics

- The six Biology modules are tested as two separate exams, B1B2B3 counts for 16.7% of the final grades, B4B5B6 also counts for 16.7% of the final grades.
- The six Chemistry modules are tested as two separate exams, C1C2C3 counts for 16.7% of the final grades, C4C5C6 also counts for 16.7% of the final grades.
- The six Physics modules are tested as two separate exams, P1P2P3 counts for 16.7% of the final grades, P4P5P6 also counts for 16.7% of the final grades.
- There is no controlled assessment for this course and all six exams are taken at the end of year 11.
- Each assessment includes questions on practical and mathematical skills.

Course content

The Science studied in year 10 covers a range of topics including cells, how the body works, plants, atomic structure, chemical reactions, element compounds, mixtures, forces, electricity, magnetism and global challenges.

The Science studied in year 11 covers a range of topics including habitats, the ecosystem, genetics, inheritance, human health, the periodic table, rates of reaction, how we extract and use chemicals, waves, radioactivity, energy stores and motion

Skills you need:

You must have an interest in, and enthusiasm for, science;

- You must have a critical approach to scientific evidence and methods;
- You must be able to acquire and apply skills, knowledge and understanding of how science works and its essential role in society;
- You must be able to acquire scientific skills, knowledge and understanding necessary for progression to further learning
- You will be assessed in key mathematical skills.

Skills you will acquire:

You will develop explanations, theories and modeling in science along with the implications of science for society. You will also carry out practical activities that enhance learners' understanding of science theory and practical skills.

Progression routes and linked careers:

This course allows for students wishing to continue their Science studies on to A level and beyond to university. The number of Science courses available to study at university is very large including medicine and dentistry, however Science A levels are also seen as a good grounding to continue on into law amongst other subjects.

Any questions see: Mr Simpkins – msimpkins@levenshulmehigh.co.uk