

Exam Board & Course title: Gateway A: Triple Award Science

Qan Code: Chemistry A (Gateway) 601/8663/X

Physics A (Gateway) 601/8651/3

Biology A (Gateway) 601/8589/2

Qualification: The Triple Award Science option leads to three GCSE qualifications in Biology, Chemistry and Physics.

Level of course: For students considering taking A Levels in Science

Assessment Methods: Each of the GCSEs has two components.

Biology

- Modules B1B2B3 examined by a ninety mark, one hour forty five minute written paper, this counts for fifty percent of the final grade.
- Modules B4B5B6 examined by a ninety mark, one hour forty five minute written paper, this counts for fifty percent of the final grade.

Chemistry

- Modules C1C2C3 examined by a ninety mark, one hour forty five minute written paper, this counts for fifty percent of the final grade.
- Modules C4C5C6 examined by a ninety mark, one hour forty five minute written paper, this counts for fifty percent of the final grade.

Physics

- Modules P1P2P3P4 examined by a ninety mark, one hour forty five minute written paper, this counts for fifty percent of the final grade.
- Modules P5P6P7P8 examined by a ninety mark, one hour forty five minute written paper, this counts for fifty percent of the final grade.

There is no controlled assessment for this course, all exams are at the end of year eleven.

Course content

The Biology GCSE covers a range of topics including ecology, how the body works, genetics and the problem developments in this area cause are highlighted, how we can alter our environment to suit human needs and the effects of human actions on the environments we live in.

The Chemistry GCSE covers a range of topics including how we can change chemicals to suit our needs, rates of reaction, Chemistry and the Earth, the periodic table, quantitative chemistry, chemical economics and chemical's effects on the environment.

The Physics GCSE covers a range of topics including how we use energy in our homes, the structure of the Universe, the forces involved in movement, radioactivity, how we use waves and how we can use electricity.

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 must be able to carry out mathematical calculations up to GCSE level.

Skills you will acquire:

- You will develop explanations, theories and modeling in science along with the implications of science for society.
- You will develop the skill of being actively involved in all lessons.

Progression routes and linked careers:

This course is designed 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