



Ringwood School

A National Teaching Academy

Science – Biology, Chemistry & Physics GCSEs

GCSE x 3

1-9

AQA

Who is this course aimed at?

All students study science in Key Stage 4. All students need to select the most appropriate science pathway. This pathway could lead to studying A-level Biology, Chemistry or Physics.

How will I be assessed?

There will be six written exams at the end of Year 11, each lasting 1 hour 45 minutes. There will be two exams for Biology, two for Chemistry and two for Physics. They examine students understanding of the science content (Biology, Chemistry and Physics) and students understanding of "Working Scientifically", including experimental skills and maths. There are Required Practicals which are completed within lesson time and will be examined at the end of Year 11.

What will be expected of me?

Students are expected to come prepared for each lesson with completed home learning tasks, exercise books that are well organised and a determination to ask for help when necessary. Students are expected to catch up with work they have missed due to absence. Students are expected to take a full role in practical work.

What will I study?

Biology GCSE

You will study topics such as cell biology, health, disease, co-ordination and control, homeostasis, plant structure and function, genetics, evolution and ecology. The Biology topics are the same as combined science, but there is more content in each of the topics.

Chemistry GCSE

You will study topics such as atomic structure, the periodic table, using resources, chemical changes, energy changes, rates of reaction, fuels, chemistry of the atmosphere, polymers, hydrocarbons, quantitative analysis and qualitative analysis.

Physics GCSE

You will study topics such as forces, energy, waves, electricity, magnetism and the motor effect, particle models, radioactivity and space physics