



# Science GCSE

<https://qualifications.pearson.com/en/qualifications/edexcel-gcses/sciences-2016.html>

Course Title	Exam Board	Specification Code	Head of Department
Combined Science 9-1	Edexcel	1SC0	Mr N Scott

**Course Information** If there was a time where the understanding of Science has never been more important it would be now. Our understanding of vaccines, disease transmission, ecology, pollution, and the respiratory system to name a few have been tested continuously throughout the year.

An understanding of the mechanics of the world we live in is a vital skill for any citizen in any part of the world if they are looking to be successful.

**Skills/Aptitude Required** Science demonstrates a wide variety of skills that are highly sought after by employers in industries you probably wouldn't expect. It requires organisation, logical problem solving, analytical skills, and dealing with lots of information at once.

**Next Steps** This course has good links with other subjects such as Maths, Geography, PE and Computing. We offer all three individual science at A-Level as well as a Level 3 Applied Science with Forensics.

**Future Careers** As well as obvious careers such as pharmaceuticals, environmentalism, engineers etc, Science is often sought after as a qualification in areas that are less obvious such as HR, Law, Statistics, and recruitment to name a few.

*"Science knows no country, because knowledge belongs to humanity."*

Louis Pasteur

## The Course in Depth

**Year 9 Topics Covered** **Biology** Cells and Systems, Health and Disease, Ecosystems, and Enzymes and Transport.

**Chemistry** Acids, Trends and Rates, Elements and Compounds, and Fuels.

**Physics** Forces, Energy, Electricity, and Materials.

**Year 10 Topics Covered** **Biology** Health and Disease, Genetics, Natural Selection, Cell Biology, Control, Exchange and Transport.

**Chemistry** States and Separation, Atomic Structure, Fuels, Atmosphere, Groups, Bonding, Quantitative Chemistry.

**Physics** Motion, Waves, EM Spectrum, Energy, Electricity.

**Year 11 Topics Covered** **Biology** Plants, Hormones, Ecosystems, Genetics and Natural Selection.

**Chemistry** Acids, Electrolysis, Metals, Bonding.

**Physics** Waves, Radioactivity, Magnetism, Particle Theory, Forces.

**Internal Assessment** End of topic tests roughly one per discipline per term.  
End of Year 9 and 10 exams.  
Year 11 mocks at Christmas (Paper 1s) and Easter (Paper 2s).

**External Assessment** 6 x 70 minute (60 mark) exams – 2 x Biology, 2 x Chemistry, and 2 x Physics.  
For Separate (triple) Scientists – each exam is 120 minutes and worth 100 marks.

