



DRAYTON MANOR HIGH SCHOOL

YEAR 10 & 11 COURSES

Subject	Separate Sciences (Biology, Chemistry and Physics) (sometimes referred to as 'Triple Science')
Course Level	GCSE (3 GCSEs in total)
Examining Body	AQA

What will I be studying?

You will cover all the content from Combined Science, but will go into more detail. There are also some topics on separate sciences that are not on combined science e.g. space physics.

Biology

Biology is the study of living things. You will develop an understanding of the human body and the plants and animals in the environment around you.

Chemistry

In Chemistry you will learn about how substances behave (chemical reactions and physical properties) based on the particles they are made (atoms, ions or molecules). This links to the materials and fuels that we use in everyday life, the atmosphere around us and even the food we eat.

Physics

Physics is the study of energy, electricity, forces and waves. You will develop an understanding of the world around us and how the devices we use in everyday life work.

What skills will I develop?

- Investigative Skills:
 - planning and carrying out an investigation
 - presenting and analysing results
 - drawing conclusions
 - evaluating experimental methods.
- Scientific writing.
- Making informed decisions about scientific issues and technological developments in society.
- Understanding safe practice and healthy lifestyle.
- Human effects upon the environment and oneself.

How will the course be structured?

85% Theoretical and 15% Practical

Year 1

Seven lessons per week:

- 3 x biology
- 2 x chemistry
- 2 x physics

Your lessons will include theory and practical work.

Year 2

Eight lessons per week:

- 2 x biology
- 3 x chemistry
- 3 x physics

You will have a different teacher for each science subject.

How will I be assessed?

100% written examinations taken at the end of Year 11:

- 2 x biology papers
- 2 x chemistry papers
- 2 x physics papers

All papers are 1 hour 45mins long.

Examinations will assess:

- scientific knowledge and understanding
- application of scientific knowledge
- analysis of data
- numeracy skills (20% of marks)
- practical and investigative techniques (15% of marks)

If you have any further questions about taking this course, who should you speak to?

1. Your Science Teacher
2. Head of Biology – Miss Fenn
3. Head of Chemistry – Ms Kelsall
4. KS4 Science Coordinator – Miss Osman
5. Head of Science and Head of Physics – Ms Ramgi