

An Introduction to A-level Science

Head of Faculty
Mrs Nkanta

I am delighted that you have shown an interest in **Biology**. In order to get you started, it is important to understand **what the subject is all about**.

Biology is one of the traditional science subjects and highly regarded by universities and employers. It is the study of living things from tiny micro-organisms, plants and animals to human beings. You will learn about genetics, microbiology and biological processes during the course.

What do employers say about this subject?

Biology is one of the eight facilitating subjects and highly regarded by universities and employers. Biology helps students to build up research, problem solving, organisation and analytical skills.

Syllabus:

- A-Level Biology Specification

<https://www.ocr.org.uk/Images/171736-specificationaccredited-a-level-gce-biology-a-h420.pdf>

Useful websites/apps- register now:

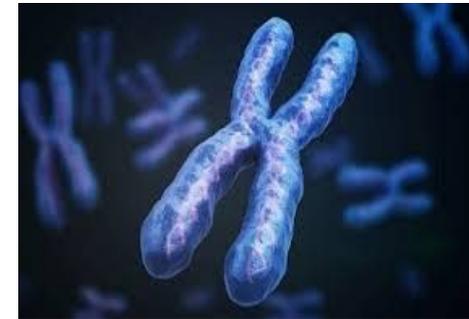
- Physics and Maths Tutor

<https://www.physicsandmathstutor.com/biology-revision/a-levelocr-a/> is a website you should bookmark. It hosts past questions and mark schemes that are invaluable.

- For biology news, check in with

https://www.bbc.co.uk/news/science_and_environment

Please email me Mrs Nkanta; Head of Faculty if you have any queries or questions.



I am delighted that you have shown an interest in **Chemistry**.

In order to get you started, it is important to understand **what the subject is all about**.

Chemistry is one of the traditional science subjects and an essential subject for students wishing to study medicine at university. The course will allow students to challenge their understanding of chemistry and put knowledge into practice. Some of the topics covered include Energy and Core Organic Chemistry.

What do employers say about this subject?

Chemistry is one of the eight facilitating subjects and opens the door for many careers because it is essential for a number of industries ranging from the private to public sectors. Students wishing to study medicine at university must study chemistry.

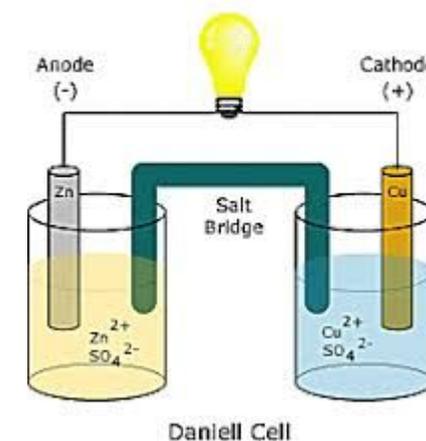
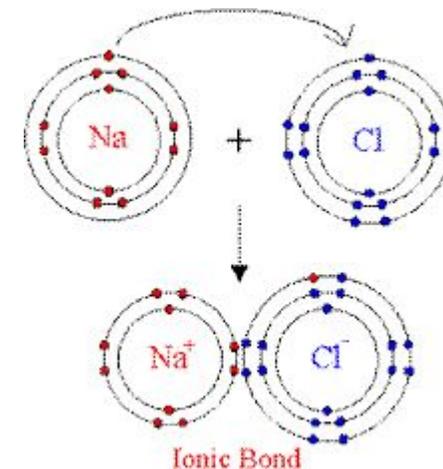
Syllabus: A level Chemistry Specification

<https://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405>

Physics and Maths Tutor

<https://www.physicsandmathstutor.com/chemistryrevision/a-level-ocr-a/>.

Contains topic by topic resources to aid your Chemistry skills throughout the course. Please email Mrs Nkanta; Head of Faculty if you have any queries or questions.



I am pleased that you have shown a keen interest in the subject **Physics**. In order to engage your interest, it is important to help you have a better understanding of **what the subject is all about**.

Physics is for students who are fascinated by the universe and structures of materials. It involves the study of the properties of matter and energy from tiny sub-atomic particles to vast galaxies. Topics studied as part of the course include electric and magnetic fields and thermodynamics.

What do employers say about this subject?

Physics is one of the eight facilitating subjects and is highly regarded by many universities and employers. Students are well prepared for university or employment with many going on to careers in science related fields.

Studying A Level Physics, will require you to become good at obtaining and completing independent research and making your own notes on difficult topics.

See one of many links that cover some interesting Physics topics. Using the Cornell notes system: <http://coe.jmu.edu/learningtoolbox/cornellnotes.html> .Make 1 page of notes for this topic. Newton's Laws of Motion are fundamental laws for the motion of all the object we can see around us.

<http://www.livescience.com/46558-laws-of-motion.html>

