



# SCIENCE



## A Level Biology

Review key GCSE Biology topics and get a taster of A level Biology Topic 1 with [Seneca Learning A level Biology Preparation](#). We regularly set Seneca Learning as part of your independent study for A level Biology.

Work through [Head Start to A-Level Biology](#) from CGP. You will be able to purchase CGP revision guides and Exam Practice Workbooks for half price once you start the A level Biology course.

Read current articles on topics ranging from Health to the Environment published by [New Scientist](#) to see real life applications of Biological research. You will have access to the paid articles once you are a member of Blackpool Sixth.

Watch the Royal Society of Biology "A-Z of the Biosciences" careers [videos](#) to inspire you on your future career options. Our A level Biology students are invited to take part in RSB competitions and talks every year.

For information about the course we run please see the specification on the [AQA website](#). Here you can see the subject content for both years and the assessments that take place at the end of year 2.

## A Level Chemistry

Work through [Head start to A-level chemistry](#) from CGP. You will be able to purchase CGP revision guides and Exam Practice Workbooks for half price once you start the A level Chemistry course.

Join a Futurelearn.com course:

<https://www.futurelearn.com/courses/everyday-chemistry>

Select the free course which gives you access to the lessons and discussions.

Take a look at the [Royal Society of Chemistry Aspirin Experiment](#).

This resource allows you to run your own aspirin synthesis and learn about practical aspects of the A-level chemistry course as you do so. A YouTube video explaining the resource can be found [here](#).

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## **A Level Electronics**

Watch these "Engineering Mindset" videos introducing many aspects of electronic theory and electronic devices.

[Engineering mindset - Electrical Engineering basics](#)

Join the course Quizlet class and learn the required circuit symbols

[Quizlet new starters class](#)

Browse the *Electronics Tutorials* website for some great information on electronic theory

<https://www.electronics-tutorials.ws/>

Learn about the history of electronics, careers, its importance to society and more at

<https://www.turnontoelectronics.org/electronics-a-brief-history/>

## **A Level Environmental Science**

Join a Futurelearn.com course:

<https://www.futurelearn.com/courses/introduction-to-environmental-science>

Select the free course which gives you access to the lessons and discussions.

[Watch a TED talk on environmental science](#)

For information about the course we run please see the specification on the [AQA website](#). Here you can see the subject content for both years and the assessments that take place at the end of year 2.

## A Level Physics

- For some great youtube videos on Astrophysics: [Dr Becky on Youtube](#)
- For some good revision resources on the topic we'll be starting with (Mechanics) [GCSE Physics Online](#)
- For helpful material to get your maths skills up to speed: (The 'transition' section is mainly focussed on maths skills you will need for physics but there's also loads of good GCSE revision material here) [Isaac Physics Transition Material](#)

## BTEC Medical Science (AAQ)

- For details on the course we offer, including the examined and coursework units and how you will be graded, please see the Pearson Medical Science AAQ homepage. [Medical Science](#)
- To prepare yourself for the course watch this TedEd video on how diseases have shaped humanity [Diseases](#)
- Then watch this Kurzgesagt animation on how the human immune system protects us from billions of pathogens [Immune system](#)
- Research the 5 biggest causes of disease in the UK. Select one of the causes and research the symptoms, treatment and prevention. A good source of information is the NHS Website. [NHS](#)
- Read current articles on Health topics published by New Scientist to learn about real life applications of scientific research. You will have access to the paid articles once you are a member of Blackpool Sixth.
- Browse the wide range of Health and Science careers described by the National Careers Service to inspire your future career paths. Join a Futurelearn.com course: [Anatomy: Know Your Abdomen - Online Course](#). Select the free course which gives you access to the lessons and discussions.