ADDITIONAL READING AND ACTIVITIES LIST



SCIENCE

A Level Biology



Review key GCSE Biology topics and get a taster of A level Biology Topic 1 with <u>Seneca Learning A level Biology Preparation</u>. We regularly set Seneca Learning as part of your independent study for A level Biology.

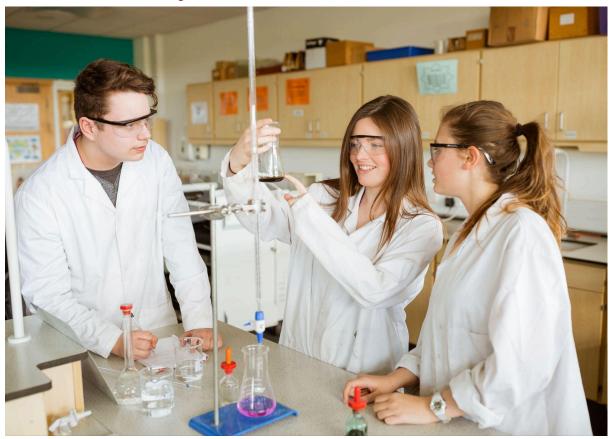
Work through <u>Head Start to A-Level Biology</u> from CGP. You will be able to purchase CGP revision guides and Exam Practice Workbooks for half price once you start the A level Biology course.

Read current articles on topics ranging from Health to the Environment published by <u>New Scientist</u> 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 <u>videos</u> 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 <u>AQA</u> <u>website</u>. 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 <u>Head start to A-level chemistry</u> 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

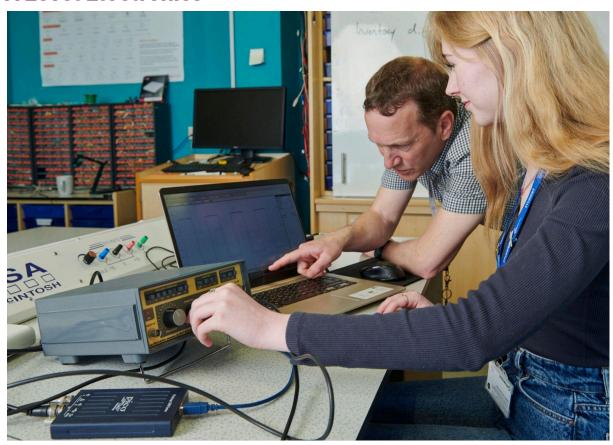
Select the free course which gives you access to the lessons and discussions.

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

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A Level Physics



- For some great youtube videos on Astrophysics: <u>Dr Becky on Youtube</u>
- 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

CTEC Applied Science



Work through this course from <u>Seneca Learning</u>. This is a good introduction to topics on the CTEC Applied Science examined units.

To prepare yourself for the coursework units, particularly Unit 4 on Human Physiology, we would like you to produce a leaflet for a doctor's surgery on a common preventable health condition e.g. cardiovascular disease, diabetes, cancer or COPD. This leaflet should include symptoms, treatment and prevention. A good source of information is the NHS Website. You could even try referencing your research using MyBib.

Read current articles on topics ranging from Health to the Environment published by <u>New Scientist</u> 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 <u>National Careers Service</u> to inspire your future career paths.

For details on the course we offer, including the examined and coursework units and how you will be graded, please see this guide <u>Diploma</u> (2 A level Equivalent).