

A-Level Biology

Reading List and Further Research



Bridging to A-Level Biology at Edgbarrow School

Here is a reading list and selection of activities that can be found online for those intending to study A level Biology at Edgbarrow School. Please note we follow the AQA Biology course, with in-depth study of systems within organisms and how they interact with ecosystems

If you studied the Combined Science course at GCSE: Go to Kerboodle online and find the GCSE Biology textbook.

Read the following sections that are in **GCSE Biology** but not the Combined Science course, and make careful notes.

- B5 Communicable Diseases – B5.3 and B5.4 (Growing Bacteria in a Lab)
- B5 Communicable Diseases – B5.11 (Plant Diseases)
- B6 Treating Diseases – B6.6 (Monoclonal Antibodies)
- B10- The Human Nervous System- B10-4-10.6 (The Brain and Eyes)
- B11- Hormonal Control- B11.8-11.10- (Plant Hormones and their uses)
- B12- Homeostasis in Action- The Human Kidney and Dialysis (the whole small chapter is unique to the GCSE Biology course.)
- B14- Variation and Evolution- 14.5 + 14.6 – Cloning and adult cell cloning.
- B18- Biodiversity and Ecosystems- B18.6 – 18.12- all content in GCSE course

For all prospective A-level Biology students.

I will be setting you some GCSE-level exercises so that we can refresh key topics that form the basis of A-level Biology.

Once I know who is planning to take Biology at A-level I will set up a group on Google Classroom. If that includes you, send me an email - kate.crane@edgbarrowschool.co.uk

Other resources

TED talks – just browse the extensive selection. Search for Immunology, Cell Biology, The Genetic Code...or anything else biology-related

Horizon programs on BBC iPlayer (these will come and go so keep your eyes open)

I have a second list of specific Non-fiction books that may be of interest to you, they specialise in certain fields of Biology. I will post this list on the Google Classroom page that we will create in due course.

Thanks – and I look forward to working with you

Mrs Crane