

## TASK

The Big Picture is an excellent publication from the Wellcome Trust. Along with the magazine, the company produces posters, videos and other resources aimed at students studying for GCSEs and A level.

For each of the following topics, you are going to use the resources to produce one page of Cornell style notes.

Topic 1: The Cell

Available at: <http://bigpictureeducation.com/cell>

Topic 2: The Immune System

Available at:

<http://bigpictureeducation.com/immune>

Topic 3: Exercise, Energy and Movement

Available at:

<http://bigpictureeducation.com/exercise-energy-and-movement>

Topic 4: Populations

Available at:

<http://bigpictureeducation.com/populations>

There is also a bridging work booklet available for you to complete.

## OVERVIEW

A-level Biology lasts two years, with exams at the end of the second year. The table below shows the topics you will study in each year.

AS and first year of A-level	Second year of A-level
1. Biological molecules	5. Energy transfers in and between organisms
2. Cells	6. Organisms respond to changes in their internal and external environments
3. Organisms exchange substances with their environment	7. Genetics, populations, evolution and ecosystems
4. Genetic information, variation and relationships between organisms	8. The control of gene expression

There are three exams at the end of the two years for A-level, all of which are two hours long. At least 15% of the marks for A-level Biology are based on your required practicals.

When you join us in September, please ensure you have a ring binder ready for your first Biology lesson.

You will also need folder dividers for each unit covered.

Useful Websites & Further Reading:

<https://ed.ted.com/lessons/the-immortal-cells-of-henrietta-lacks-robin-bulleri>

<https://www.youtube.com/watch?v=WU5uCiV0MyQ>

<https://www.youtube.com/watch?v=h4MhbkWJzKk>

<https://ed.ted.com/lessons/how-bacteria-talk-bonnie-bassler>

[https://www.ted.com/talks/ben\\_longdon\\_how\\_do\\_viruses\\_jump\\_from\\_animals\\_to\\_humans#t-13212](https://www.ted.com/talks/ben_longdon_how_do_viruses_jump_from_animals_to_humans#t-13212)