

Explore Tasks – Biology A-level

Crash Course

Choose your own topic of interest and enjoy these videos (~10 minutes each).

[Crash Course Biology \(thecrashcourse.com\)](https://www.thecrashcourse.com)

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What do genes do?

This 2-hour course explores how information contained in DNA is used, explaining the flow of information from DNA to RNA to protein. Also introduced are the concepts of transcription (as occurs between DNA and RNA) and translation.

[What do genes do? | OpenLearn - Open University](#)

Meiosis and Mitosis

This free 8-hour course, Meiosis and mitosis, looks at how units of inheritance are transmitted from one generation to the next. First you will look at what happens to the chromosomes of animals and plants during the process of sexual reproduction. Then you will examine how genes are transmitted in particular patterns from generation to generation. These two approaches combine to illustrate how the patterns of inheritance can be explained by the behaviour of chromosomes during sexual reproduction.

[Meiosis and mitosis | OpenLearn - Open University](#)

Understanding antibiotic resistance

If you choose to study this 24-hour course, you will learn about the history of antibiotics, what they are and how they work. You will learn how antibiotic resistance develops and spreads and look at the issues surrounding antibiotic resistance. Finally, you will look at some of the cutting-edge ways that scientists are trying to tackle the problem of antibiotic resistance promoting good hygiene to developing new antibiotics from the soil.

[Understanding antibiotic resistance | OpenLearn - Open University](#)