

Jobs in the Biotech industry



To complement teaching of genetic modification / biotechnology:

AQA— 4.1.2, 4.3.1, 4.3.2, 4.6.2, 4.7.5

OCR— B6.2, B6.3

Edexcel— Topic 4, 5

Suggested activities for subject teachers—each would take approx. 15—20 mins.

1. Discuss jobs in the biotechnology industry and show video - [GSK: Engineering a better world](#)

Students could be given time to research different jobs & careers related to biotechnology

2. Discuss university degree courses linked to biology / biotechnology and show video of [University of Reading—Tehreem \(Biological Sciences\)](#)

Students could be given time to research different courses related to biology / biotechnology

3. Discuss [apprenticeships](#) in the biotech industry that include lab technicians and lab scientists. Explain that there are different levels of apprenticeship & that higher apprenticeships end up leading to a similar level qualification to a university degree.

Students could be given time to research different levels of apprenticeships.

4. For higher level students you can introduce the idea of [MOOCs](#) (free, online courses) that can help a student decide if studying a higher level course is suitable. There are many different topics to choose from:

e.g. [Next generation biosecurity: Responding to 21st Century Biorisks](#)—developed by the University of Bath

5. Introduce the students to TED talks as these will help the students to decide if learning about biotechnology at university is something they would like to pursue. There are many relevant talks on [biotechnology](#)

This one is particularly good when teaching about genetic engineering: [Biotechnology is the future of manufacturing](#)

Homework Activity: Students could spend more time researching jobs / courses related to biology by using [Careerpilot](#) and feedback next lesson any that they are interested in.

For more information on careers linked to biology go to:

<https://www.careerpilot.org.uk/job-sectors/subject/biology>