

## Nina's story

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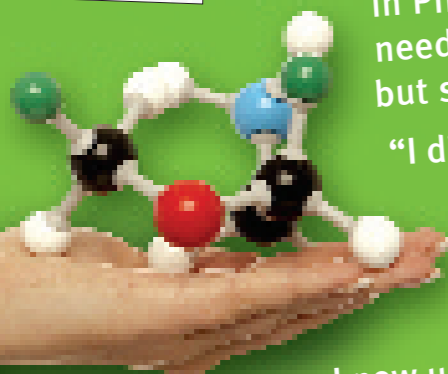


Nina from Doncaster got nine As and a B in her GCSEs, including an A in Applied Science. She wants to be a pharmacologist, which is all about developing and investigating the safety and effectiveness of drugs.

Studying the Applied Science GCSE meant that Nina could spend more time doing what she enjoyed, and because it was a double award she got two valuable qualifications.

Nina wants to go to university to do a degree in Pharmaceutical Sciences. She knows she needs really good A level results to get in, but she's hopeful!

“I didn't really know much about vocational GCSEs before I took my options, but my teacher thought it would be a good idea to do something related to the job I want to do. I'm really glad I did because I now understand the different jobs I can do and use the skills I learned at school to help with my A levels.”



## Bioscience

Bioscience involves working with living organisms like plants, bacteria, viruses and fungi, to discover how they work and how they can be used. The UK is a world leader in bioscience research, which is used to help develop products such as pharmaceuticals.

### The careers

You could be working in drug discovery and development, plant biotechnology or tissue engineering. Bioscience is a highly-skilled area and around 70% of employees are graduates, but there's also a big demand for lab technicians and process workers.

### Did you know?

- The British bioscience sector is the second largest in the world after the USA.
- There are over 150,000 professional scientists in the UK, working in the physical, chemical and biosciences industries.
- In South Yorkshire there are 10 major bioscience companies and about 130 support organisations in areas like healthcare, pharmaceuticals and universities.
- The biosciences industry is predicted to grow by over 10% over the next five years in the Yorkshire and Humber region.
- Highly qualified and skilled chemists will be required for drug discovery and development work.
- Other specialisms likely to see significant growth are: tissue engineering and biomaterials, plant biotechnology, and bioinformatics (the analysis of bioscientific data using mathematical and computational methods).

To find out more about the Bioscience sector, visit:

[www.voced.co.uk/jobsinsy](http://www.voced.co.uk/jobsinsy)