

Brilliant Careers for STEM students in the South West: Stantec

Employees:

22,000

Location:

Taunton and Bristol

Industry:

Aviation engineering

What does Stantec do?

Stantec are the company behind the complex infrastructure networks that keep the world running. Designing water, transport and energy projects are just a few of the areas they deal in. This means that they employ people with a range of different skills: designers, engineers, scientists, and project managers, all using STEM skills to design and deliver infrastructure.

What kind of jobs are there at Stantec in the South West?

Stantec in Bristol and Taunton have a huge range of careers – we spoke to environmental advisors, civil engineers, water modellers and ecologists. All of these roles use maths and all in different ways, from building mathematical models to simulate drinking water systems, to using computer-assisted-design software for designing motorways.

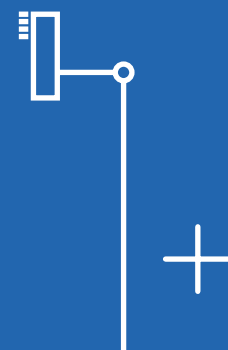
Three key questions:

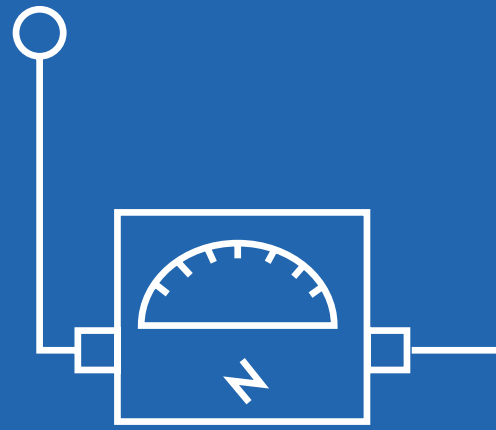
- How do you predict the amount of traffic a new road will receive?
- What will climate change do to our water system?
- How do you make sure a nuclear power plant won't hurt local ecosystems?

Employee profile: Georgie Knibbs, Principal Ecologist

What would be your advice to students considering a career in STEM?

Choose subjects you enjoy and it will lead you towards a career you are passionate about. I studied Maths, Biology and Physics at A-Level, and volunteered at a local nature conservation charity throughout my degree.





What has your career path looked like?

I worked my way up through the ranks from Assistant Ecologist, which took three promotions at three companies over 9 years.

What was your favourite subject at school?

Maths! I always enjoyed it, so I chose to study Maths, Biology and Physics at A-Level.

How much did volunteering and work experience contribute to landing your first STEM job?

A lot – I volunteered at a local nature conservation charity throughout my masters degree and completed summer work experience at a consultancy before I started working full-time.



I love that my job contributes to a better world for people and wildlife alike, and how it helps me hold power to account to address the ecological emergency.

