

A SCIENTIST JUST LIKE ME



Isabelle Pickett
**Process Engineer in Early
Chemical Development**

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Hi there! I am Isabelle Pickett – A process engineer



Where do I work?

I work in the AstraZeneca laboratories in Macclesfield. I use equipment to help understand how we can best supply medicines to patients.

What did I like doing when I was at school?

I have always liked science and maths. I like to solve problems by applying the knowledge that I have learnt to those problems.

What do I like doing in my spare time?

I like to bake. My favourite thing to make are cakes with lots of icing, especially when it comes to eating them! I like lots of different sports and play football regularly.

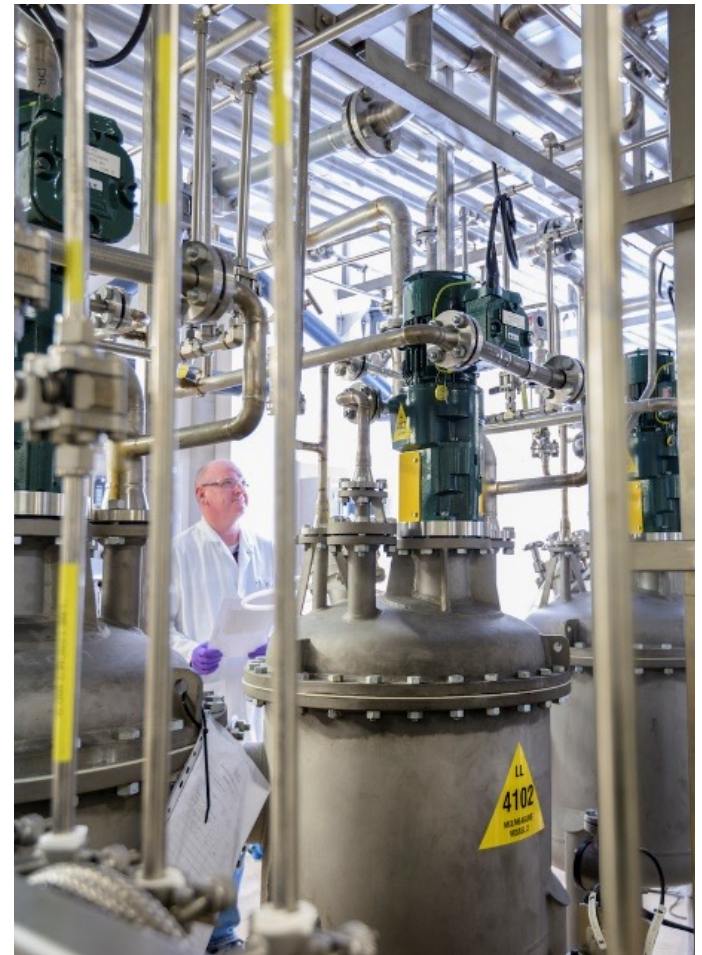
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What do I do as a process engineer?

I help to decide how we make medicines. The scientists make the medicine in very small amounts and then I help them make lots of it in big reactors so there is enough for everyone who needs it.

How does what I do make the world a better place?

Without process engineers, scientists would not be able to make enough of the medicines for the people that need it. My job helps more people that are ill get the medicines they need to get better.



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What I like about my job



My job is always interesting because there are always new medicines, which means new challenges to overcome. I am always learning new things. I work in large teams with lots of different types of inspiring scientists and we work together to design and try new scientific processes.

Challenges I have faced

Often people said that girls cannot achieve the same in engineering as boys. This is not the case and I wanted to prove these people wrong. I worked hard at school to show that I can achieve my goals.

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If you want to be a Process Engineer, you need:

- ✱ **to care about others** – it is important that you want to help people. The job can be challenging, but remembering how I can help people helps me keep resilient.
- ✱ **to want to solve problems** – I face many different challenges each day and I must work hard to solve these.
- ✱ **to work well in a team** – we work together to make medicines.
- ✱ **to be interested in maths and science** and want to read about new and exciting science research!



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Discussion time

- ✦ Would you like to be a process engineer like Isabelle Pickett?

Why? Why not?

- ✦ What skills and interests do you already have that would help you become a process engineer?
- ✦ What new skills and knowledge would you need to develop?



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Free supporting resources for engineering with chemicals

[Starters for science](#) – see ‘Paper flowers’ and ‘Colourful ink’

[I bet you didn't know...](#) articles use cutting-edge science research as a context for learning. Teacher Guides describing the research and activities and investigations for children can be used as classroom presentations. See:

- Slug slime might be the answer for medical adhesives
- The disastrous effects of historical ink

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