

# A SCIENTIST JUST LIKE ME



**Dr Anwar Khan**  
**Atmospheric scientist**

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**Hi there! I am Dr Anwar Khan – An atmospheric scientist**



## **Where do I work?**

I work at the University of Bristol where I do research about atmospheric pollutants, like car exhausts or factories, and the impact these have on the environment.

## **What did I like doing when I was at school?**

When I was at secondary school, I loved science and enjoyed doing simple chemistry and biological experiments.

## **What do I like doing in my spare time?**

I like to use my spare time to do some gardening, cooking and watching football, cricket & dramas on TV.

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## What do I do as an atmospheric scientist?



I have been developing ways to measure gases in the air that may be harmful to health. I carry out research outside and I develop computer models to mimic how chemicals are released and travel in the air.

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

My research involves investigating gases in the air and their impact on the environment and on public health. This helps people to make decisions on climate change, air quality, and health improvement.

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## What I like about my job

I like my job as I feel excitement and a lot of satisfaction at leading research about air and the atmosphere. I always feel happy when my work is published in science journals so other people can read about it. The results of my work supports plans for improving air quality and human health.

## Challenges I have faced

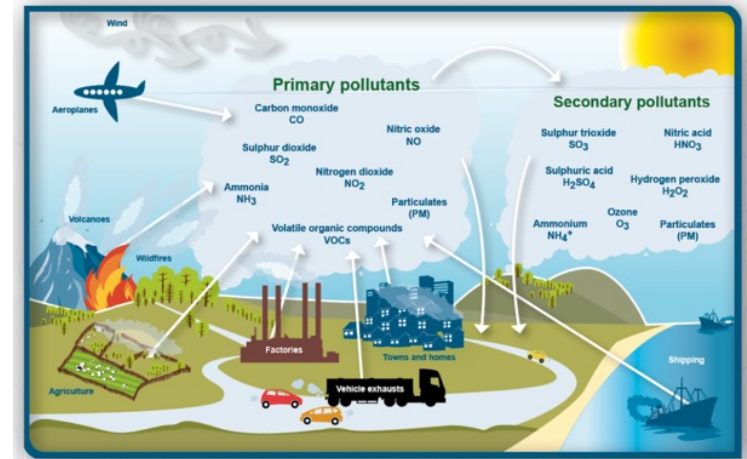
I come from Bangladesh which is a less developed country and after studying at a university there I had to persevere to find funding to come to the University of Bristol to carry on with my studies.



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If you want to be an atmospheric scientist, you need:

- ✱ to **be curious about chemistry** and finding out more about air and our atmosphere
- ✱ to **be interested in** computer programming so you can construct simulations and atmospheric models
- ✱ to **be interested** in taking part in field work, sometimes in remote sites like the Amazon forest
- ✱ to **be excited** by developing new ideas, resources and instruments



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## Discussion time

- ✦ Would you like to be an atmospheric scientist like Dr Anwar Khan?

**Why? Why not?**



- ✦ What skills and interests do you already have that would help you become an atmospheric scientist?
- ✦ What new skills and knowledge would you need to develop?

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## Free supporting resources for atmospheric science

[Air Pollution Research](#) resources allow primary age children to learn about air pollutants and to use data from the UK Air Data Archives to carry out their own research on air pollutants in their area.

[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:

- Computers can measure the happiness of a city
- Tree restoration – it's now or never

Created by the Primary Science Teaching Trust

