

# Who am I?: Natalie Lamb

PhD student with Anglian Water and the University of Sheffield

Volunteer Ranger with Nene Park Trust

Researcher of chemical free drinking water treatment

Chair of the East Anglia Branch of the Royal Society of Biology

STEM Ambassador

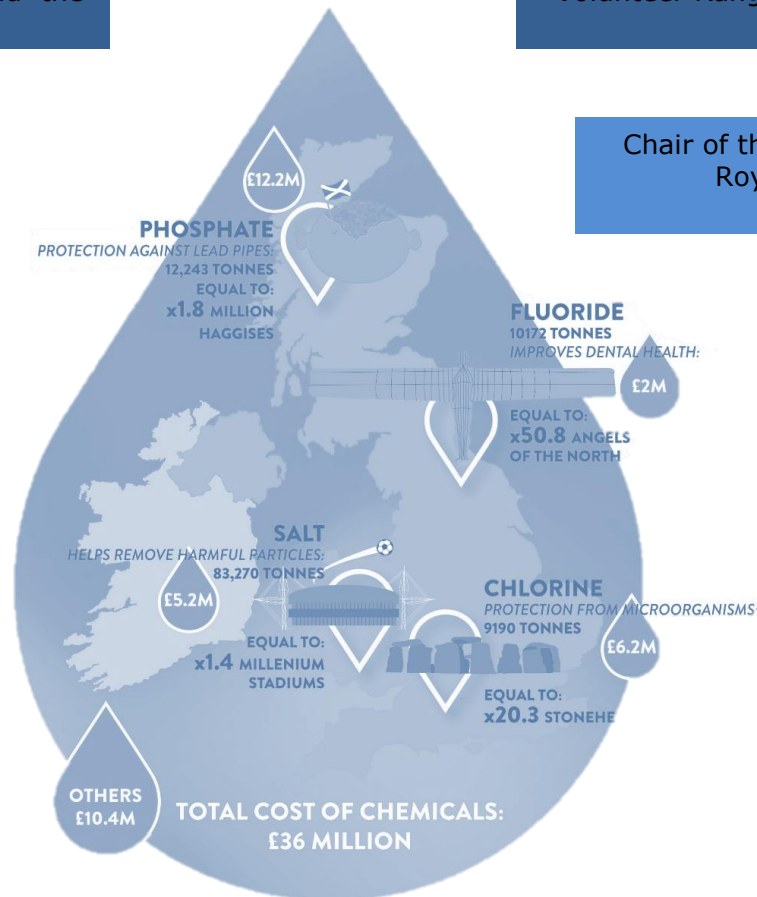
PhD Mentor with The Brilliant Club

Scuba Diver

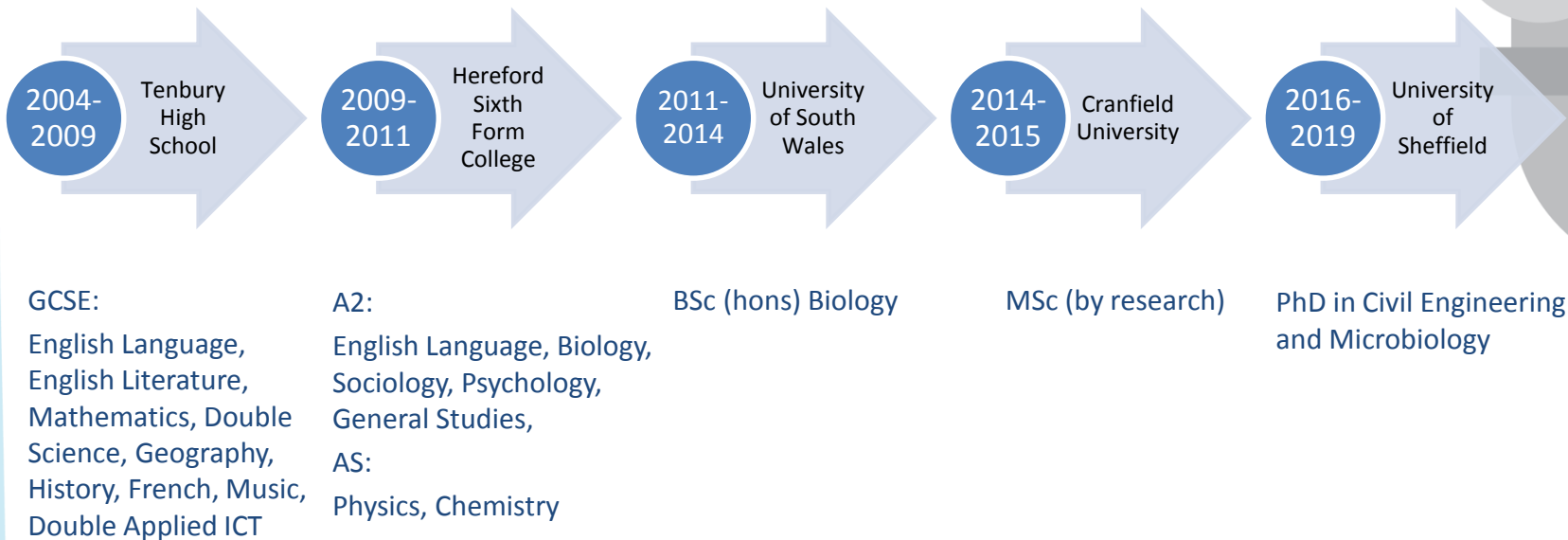
Video Gamer

Avid Reader

Netflix Binger



# What have I done?



## What does a typical day look like for me?

### **Office in Industry** (all available days)

- 7:45-8:30am travel to the office
- 4:30-5pm travel home from the office

### **Work from home** (once a week)

- 8am start work
- 5:30pm finish work

### **Office in University** (once a fortnight)

- 6-9:30am travel to University of Sheffield
- 3:30-6:30pm travel home from University of Sheffield

**Tasks:** writing literature reviews or thesis chapters, analysing preliminary results, catching up with emails, ensure my steering group and supervisors are caught up with my progress, apply to talk at conference, organising travel/calendar



What does a typical day look like for me?



Sampling Days

Twice a fortnight

### Sampling Schedule

- 8-10:30am travel to experimental site
- 10:30-12:30pm take samples, basic analysis on site
- 1-2:30pm travel to laboratory
- 2:30-5pm analyse samples in the lab
- 5-7:30pm travel home

**Tasks:** take samples from experimental sites, do basic site analysis (e.g. chlorine, temperature, turbidity), read meters, record data on site, check everything is running correctly/solve any problems, do complex lab-based analysis, record results

# What does a typical day look like for me?

## Teaching

- PhD Tutor with The Brilliant Club
- 2h slots once a fortnight (go to industry office after)

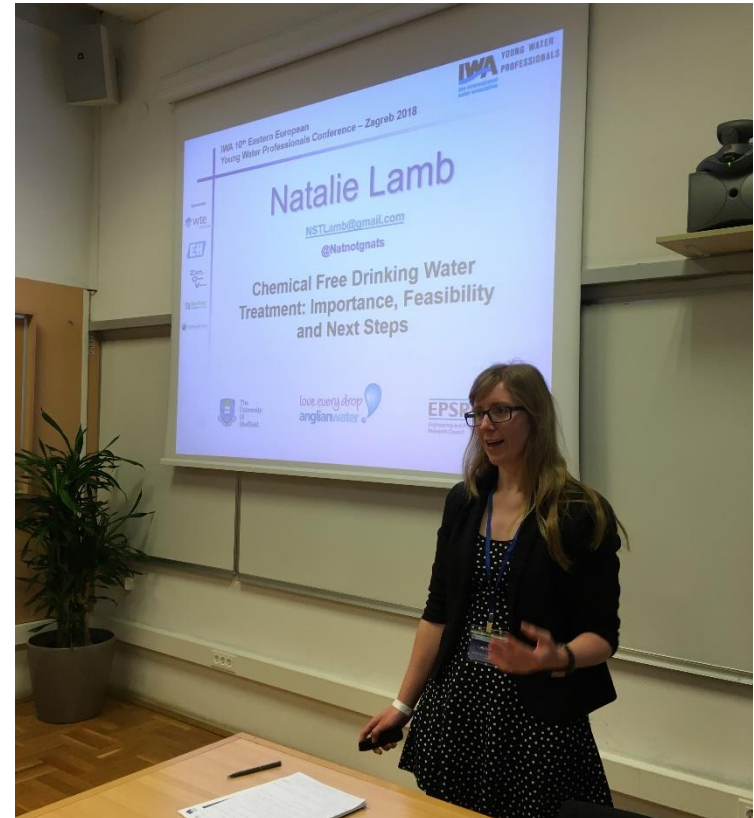
## Conferences

- Discuss research with a poster or presentation
- 1 international per year, 3-4 UK per year

## Training

- Usually at The University of Sheffield
- 2-3 per year

**Tasks:** explain my research to specialised and non-specialised audiences, network with other scientists and engineers, keep up to date with other research, improve and build on current skills



# What are the best/worst bits about my PhD?

**Every day is different**

**I receive industry funding**

**Travel**

**Freedom**

**I am an expert in my field**

**Fixed contract**



# What can help you do a PhD?

## Have a good reason to do a PhD

- Did you love your previous research?
- Are you passionate about the topic area- what is your connection to it?
- This is not a stepping board to a job or a good CV or the title of Dr

## Useful skills

- Good time management
- Ability to work independently
- Strong communication skills
- Patience
- Problem solving skills- things go wrong. A lot!
- A good support network: family, friends etc. It can be a draining process
- Motivation
- (All of this can be worked on during the PhD)

## Work experience

- Do an MSc (by research) to get a taster into PhD life without the commitment
- If you want to do a lab based PhD, do some lab based work experience. You might find out lab work on a day-too-day basis is dull for you

## Talk to a PhD student

- It's not easy- things go wrong. A lot!
- Get an honest opinion (and tips!) about what it was like for them
- Listen to them but ignore their recommendation to do/not do it- this is your choice



## Take home messages

Anyone can do a PhD-  
motivation and  
patience are more  
important than  
intelligence and  
knowledge

PhDs are difficult- think  
carefully before doing  
one and make sure it's  
right for you

An industry PhD is a  
good mix of academia  
and industry but can be  
hard to find- make  
contacts now

Whichever path you  
choose, try to keep a  
strong support network  
of family and friends  
behind you and have  
hobbies outside of work

Feel free to contact me- at this event or on Twitter or on my blog

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StartingMySciencePhD