



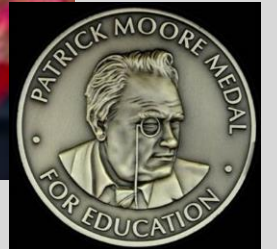
WELCOME TO PGCE SCIENCE

Dr Caroline Neuberg- Lead Subject Tutor
@CaroScienceEd

Introductions

- WHY do you want to be a Science teacher?
- When did you KNOW you wanted to be a Science teacher?

What got you here?!



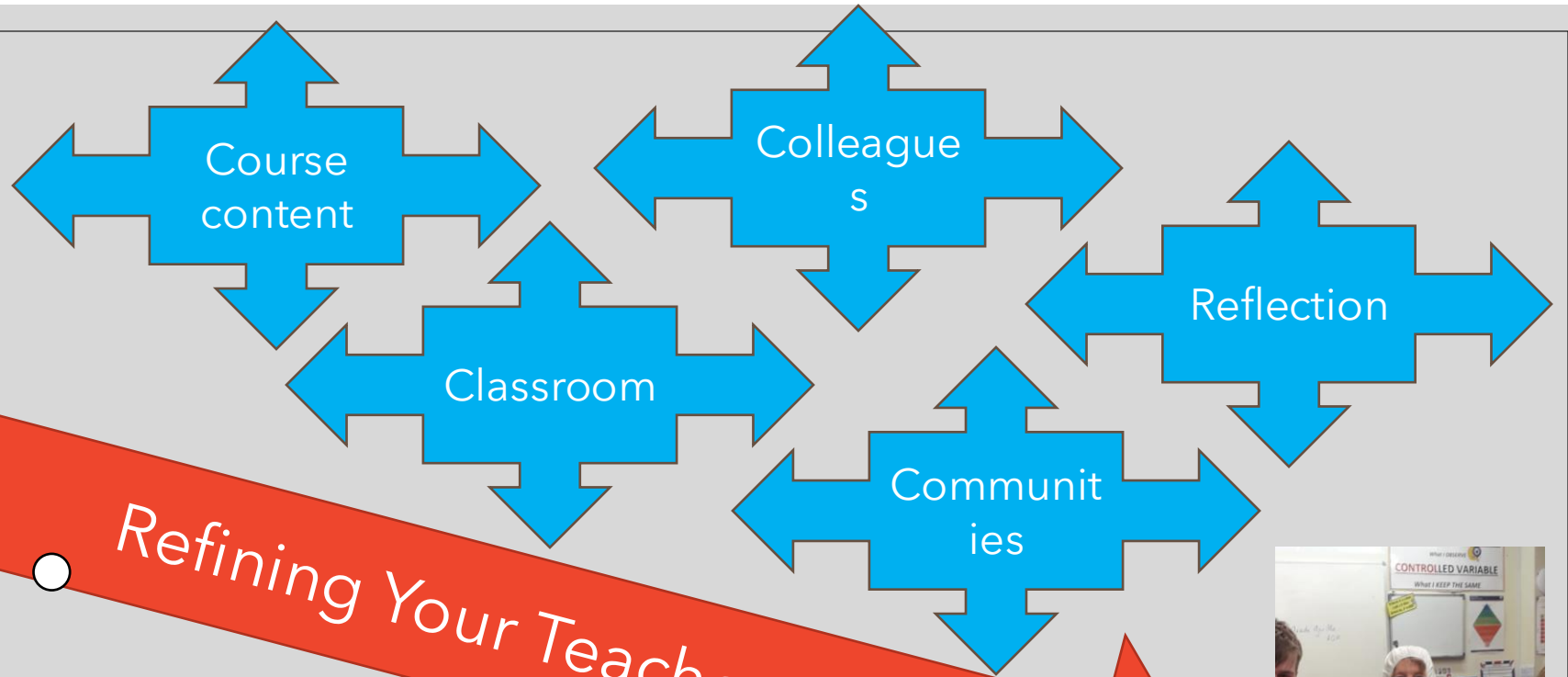


The influences which brought us all together are complex and often very different.

BUT they will play an important role as you shape and refine your teacher identity over the next 12 months.

Scientist to teaching science





Refining Your Teacher Identity

Beliefs /
Purposes

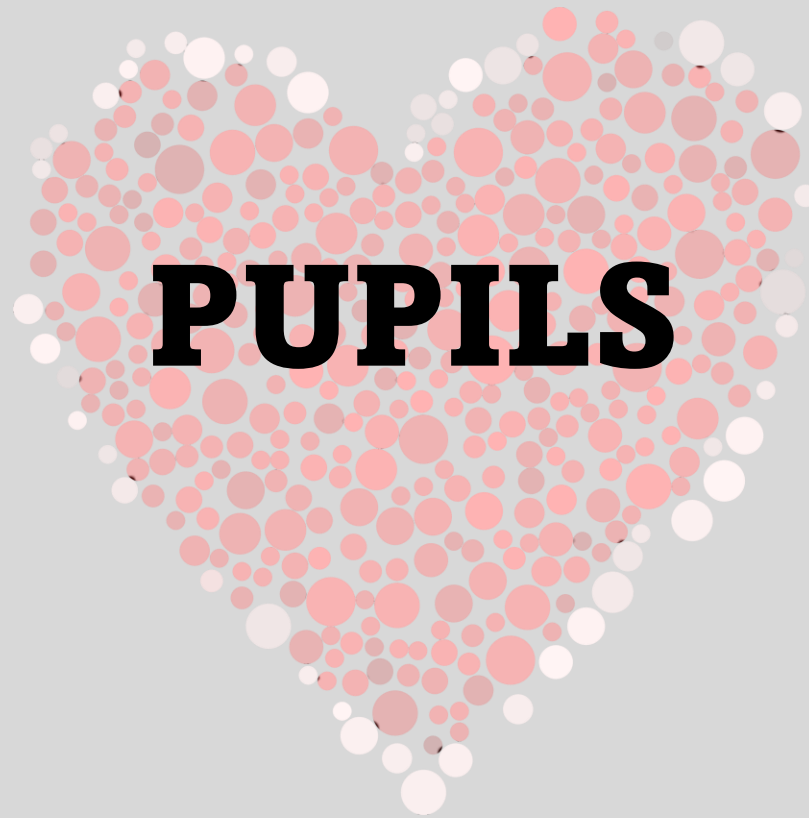
Knowledge

Experiences

Self identity



PGCE: a qualification not just a certification



THE TRUTH ABOUT SUCCESS



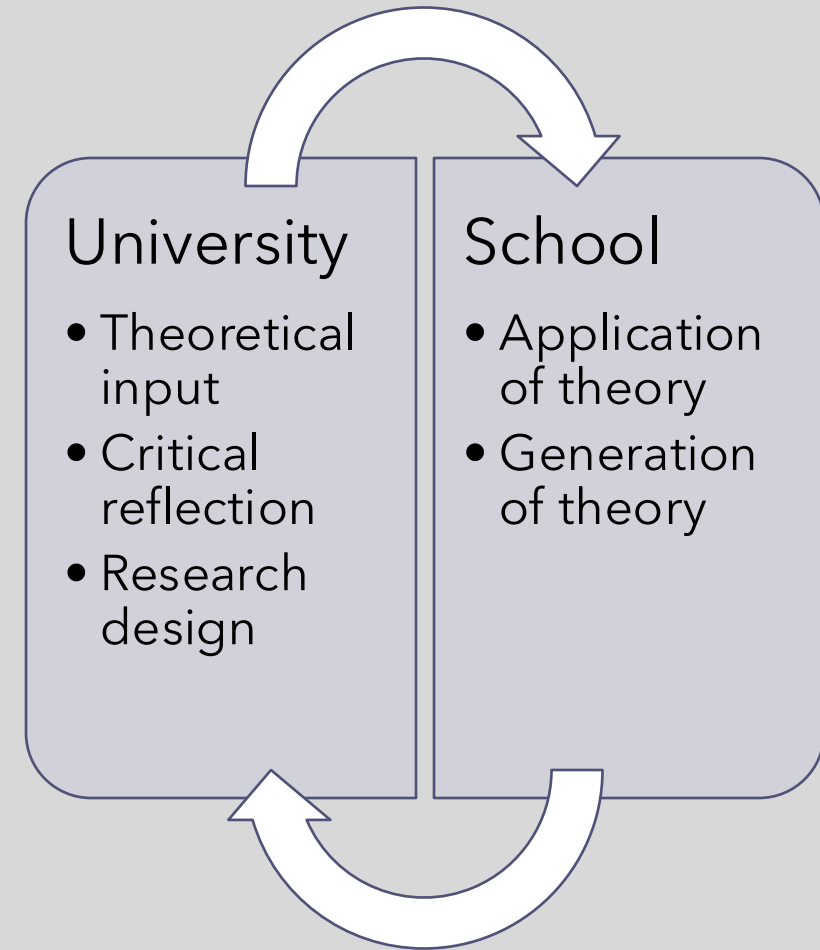
Aims

- School Science should be relevant and meaningful to young people.
- School Science should involve practical work, inquiry and critical thinking.
- School Science should build knowledge.
- School Science should be inclusive.
- School Science should include 'Science around us'.
- School Science should be enjoyable

The course in a nutshell

A **professional** training course

- Finding a professional voice
- Being part of communities
- Making principled, professional decisions
- Shaping your teacher identity
- Having a positive impact



Advice to the next cohort:

Read the damn calendar
in the hand book

How to chunk for SEN
PUPILS and not everything
needs to be perfect

You cannot take everything a
student says or does to heart. It's
not personal. Everyone is going
through a lot

It all works out

To develop an effective
schedule for planning and
assignments earlier

Mark all assessment dates
on a calendar

Find a work life balance

Rely on others for help and
support or just to unload at
the end of a bad day
Make sure to have a work
life balance

It will seem to all go horribly wrong at
times. You will keep going. You're
made out of tougher stuff than you
realise.
Also, remember to take a break, even
when it feels like you need to do work.
You need it. More time working
doesn't mean the effort is going
where it needs to go.

Advice you were given and ignored:

Read the damn calendar

Given to read the handbook, ignored it at the beginning of the year, towards the end I did though.

Start the essays early!!! (I was lazy)

Keep on top everything

Don't spend hours on planning
Have a life out of school

Complete the development record everyday, I did this once a week which was more time consuming

- Don't spend hours planning lessons
- Make sure to have a social life outside of school

Don't spending hours planning perfect lessons and resources

At first I think I found it really tough to let myself have a break.

Preparations

Join stuff

- [ASE : Association for science education](#)
- STEM community: [Home - STEM Community](#)

Do stuff

- Subject Knowledge Development: textbooks, Seneca, Isaac Physics
- Curriculum checking: Complete GCSE past papers and submit your data to <https://forms.office.com/e/1AKEbGGXxj>

Read stuff

- Green J. (2020). Powerful Ideas of Science and How to Teach Them. Routledge
- Hoath, L., & Livesey, M. (2022). Science teaching in secondary schools (L. Hoath & M. Livesey, Eds.). SAGE.

Summer tasks:



☐ Must-do:

- Please email your letter of introduction to school (no longer than A4-500 words), accompanying email and CV to C.Neuberg@leedstrinity.ac.uk by Friday 12th Sept 2025
- Read the draft Subject handbook, related to your specialism and design a Gantt chart of all the dates/deadlines
- Practice the past paper questions you have received and for each paper completed fill in the Microsoft form to report your mark (<https://forms.office.com/e/1AKEbGGXxj>). Focus on papers outside of your specialism too.

☐ If need to: contact C.Neuberg@leedstrinity.ac.uk Away 11/07/25 to 01/07/25