

# Bradley Ryan

*PhD in Pure Mathematics*

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## About

Passionate and determined individual with a PhD in Pure Mathematics from Leeds and a PGCE with QTS through Newcastle. A recent early careers teacher at St Leonard's Catholic School, teaching KS3 and KS4 with experience of A-level classes via PGCE placements. Committed to delivering accessible and challenging mathematics education, developing students' confidence and fostering independent learning. Skilled at using retrieval practice, questioning and modelling to both diagnose and address misconceptions. Keen to contribute to post-16 teaching, enrichment and university preparation. A preprint – joint with my doctoral supervisor, Oleg – based on my thesis is available [here](#).

## Qualifications

- 2024 – 2025 **Secondary PGCE in Mathematics with QTS**, University of Newcastle upon Tyne  
Grades: EDU8221 (83%), EDU8222 (94%), EDU8223 (90%).
- 2020 – 2025 **PhD in Pure Mathematics**, University of Leeds  
Supervisors: Dr Oleg Chalykh (lead), Professor Karin Baur.
- 2016 – 2020 **MMath, BSc Mathematics**, University of Leeds  
Grade: First Class Honours (86%).
- 2014 – 2016 **A-Levels**, Temple Moor High School  
Grades: Mathematics (A\*), Further Mathematics (A), Chemistry (A), History (A).
- 2012 – 2014 **GCSEs**, Temple Moor High School  
Grades: Six A\* grades, four A grades, two Distinction grades.

## Professional Experience

- Sep – Dec 2025 **Teacher of Maths**, St Leonard's Catholic School  
Lead teacher for one Year 7, one Year 8, two Year 9 and two Year 10 classes.
- Jan – Jun 2025 **ITT Placement 2**, Ponteland High School  
Lead teacher for one class each of Years 7 to 10, and 12, as well as an entry-level Year 9 class.
- Sep – Dec 2024 **ITT Placement 1**, Whitley Bay High School  
Lead teacher for two Year 9, one Year 10 and one Year 12 classes.
- 2020 – 2024 **Postgraduate Researcher Engaged in Teaching**, University of Leeds  
Responsible for tutorial classes and marking across 23 modules at levels one and two.
- 2015 – 2024 **Private Mathematics Tutor**  
One-on-one with 25 students during their KS3, GCSE, A-Level and undergraduate studies.

## Achievements

- 2025 Academic prize in recognition of outstanding achievement across all PGCE modules.
- 2020 – 2024 Studentship from the EPSRC (grant number [EP/2434194](#)).
- 2018, 2019 Scholarships from the University of Leeds for being a top-ten-performing student.
- 2011, 2016 Minerva Cup from Temple Moor High School for best KS3 and KS5 academic performance.