

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

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| 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

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| 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

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| 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. |