

Dr Kirsty Wilson

Lecturer (Primary and Early Years Mathematics Education)

School of Education

Contact details

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About

Kirsty works part time, and leads the PGDipEd Primary Mathematics Specialist course. Since joining the university, Kirsty established and taught the General Primary and Early Years mathematics courses. Prior to this, she was Research Officer on the ESRC funded project 'Purposeful Algebraic Activity' at the University of Warwick, where she also contributed to initial teacher education. Within the broad area of mathematics education Kirsty is particularly interested in pedagogy and algebraic thinking. Her PhD thesis explored the ways in which technology and teachers' practices shape pupils' thinking. She is also interested in primary mathematics teacher education, and the ways in which mathematics subject knowledge and experience contribute to what teachers attend to when teaching mathematics.

Feedback and office hours

Kirsty works part time, 2.5 days per week, and does not normally work on a Monday or a Friday.

Qualifications

- PhD (Warwick)
- MA (Warwick)
- BEd (Hons) (Cambridge)

Teaching

PGDipEd (Advanced PGCE)

- Leading and teaching the **Primary Mathematics Specialist course** (</postgraduate/courses/taught/edu/pgce-primary-mathematics.aspx>)
- Teaching mathematics on the **Early Years course** (</postgraduate/courses/taught/edu/pgce-primary.aspx>)
- Supervising trainee teachers during school experience

Postgraduate supervision

Supervision of MEd Teaching Studies students, EdD and PhD students.

Research

Kirsty's research interests are in mathematics education, particularly

- Early algebraic thinking
- Pedagogy, including the use of technology
- The relationship between teachers' practices and pupils' evolving meanings
- What teachers attend to, and the role of subject knowledge and experience
- Primary teacher education, including mathematics specialist teacher education

Other activities

Kirsty is the local contact for the **Midlands Mathematics Education Seminars** (<http://www.lisri.nottingham.ac.uk/mmes/>). She has been an External Examiner at Brunel University and Secretary of the British Society for Research into Learning Mathematics.

Publications

Wilson, K. (2007) Naming a column on a spreadsheet. *Research in Mathematics Education*, 8: 117-132.
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Bills, L., Ainley, J. and Wilson, K. (2006) Modes of algebraic communication - moving from spreadsheets to standard notation. *For the Learning of Mathematics*, 26 (1): 36-41. http://www.education2.bham.ac.uk/documents/staff/Wilson_bills.pdf (http://www.education2.bham.ac.uk/documents/staff/Wilson_bills.pdf)

Ainley, J., Bills, L. and Wilson, K. (2005) *Algebra for a purpose: using spreadsheets at KS2/3*. Derby: Association of Teachers of Mathematics.
<http://atm.org.uk/buyonline/products/dis018.html> (<http://atm.org.uk/buyonline/products/dis018.html>)

Ainley, J., Bills, L. and Wilson, K. (2005) Designing spreadsheet-based tasks for purposeful algebra. *International Journal of Computers for Mathematical Learning*, 10 (3): 191-215. <http://www.springerlink.com/content/pun02tv7272754vw/> (<http://www.springerlink.com/content/pun02tv7272754vw/>)

Bills, L., Wilson, K. and Ainley, J. (2005) Making links between arithmetic and algebraic thinking. *Research in Mathematics Education*, 7: 67-81.

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