

Carol Aldous



Lecturer in Science & Mathematics Education
School of Education
Faculty of Education, Humanities, Law & Theology

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Research Interests

- Cognition and problem solving
- Creativity and/or reflection
- Cognitive education
- Mathematics education
- Science education
- The pedagogical connections between content, process, context and affect
- Effective pedagogy in mathematics and science
- ICT in mathematics and science

Qualifications

BSc(Hons), DipEd
(Flinders),
GradCertMathsEd
(Adelaide)

Carol is a lecturer in the School of Education working with students studying at the undergraduate or graduate level towards a Bachelor of Education, and with postgraduate students working towards higher degrees.

She has a strong background in education having held a diverse range of leadership positions within the Education Department of SA. She has broad experience in curriculum matters. Among other things, she managed the Science Curriculum Focus Schools Projects, the Science Alive: a Festival of Science for Young Australians and the Gender Equity Project for students and teachers of highest level mathematics and physics.

She is committed to the development of high quality teachers with a passion for science and mathematics learning and teaching.

She is broadly concerned with creativity in problem solving with a focus on cognition and its role in the solving of novel mathematics problems.

Current Research Projects

Carol is a part of a nation wide research project that is investigating rural and regional education for students in mathematics, science and ICT.

Research Collaborations and Partners

Professional Affiliations

Committees

Flinders Institute for International Education.
Australian Science and Mathematics School Core Group
School of Education 's Social Justice Research Collective.

- Conducting multidisciplinary collaborative research on Australia's biodiversity & landscapes
- Providing innovative interpretation of biodiversity research for a wide variety of end-users