

Nicholas (Nick) R. Hood

CPhys FInstP MRAS SFHEA

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Synopsis

Education and STEM specialist. Extensive international experience in teaching, aerospace and defence. GTCS registered teacher of physics and mathematics. For over a decade, I led the development and delivery of high quality initial teacher education in science at the University of Edinburgh. Specialist knowledge and experience of digital education. Currently pursuing doctoral research in the pedagogy of pre-knowing.

Education

- Oct. 2022 – **PhD**, *Edinburgh University*
working thesis title: *Circles Around the Grit: a pedagogy for pre-knowledge*
- 2003 – 2004 **PGCE**, *Edinburgh University*
Physics and Mathematics
- Nov. 2002 **B.Sc. (Hons)(Open)**, *The Open University*
Physics, Mathematics, AI and Complexity Management

Qualifications

- April 2006 **Full registration**, *The General Teaching Council for Scotland*, Mathematics
- July 2005 **Full registration**, *The General Teaching Council for Scotland*, Physics
- July 2004 **CSci**, *The Science Council*, Chartered Scientist
- July 2003 **CPhys**, *The Institute of Physics*, Chartered Physicist

Professional Experience

- Aug. 2016 to April 2024 **Senior Teaching Fellow / Lecturer in Secondary Education (Physics Specialism)**, *The University of Edinburgh*, Moray House School of Education and Sport
- Aug. 2012 to Aug. 2016 **Teaching Fellow**, *The University of Edinburgh*, Moray House School of Education and Sport
- 2004 - 2012 **Teacher of Physics & Mathematics / Principal Teacher**, *Fife*
- 1997 - 2003 **Software Contractor**, *Cullaloe Project Resource Ltd.*, Cowdenbeath, Fife
- 1991 - 1997 **Project Manager / Engineer**, *GEC Marconi Simulation and Training*, Fife
- 1990 - 1991 **Commercial Manager**, *IMACS (UK) Limited*, Worthing
- 1989 - 1990 **Technical Director**, *Aviation Resources Limited*, USA and West Sussex
- 1988 - 1989 **Chief Project Manager – Civil Aircraft Projects**, *BAA Simulation Ltd*
- 1986 - 1988 **Project Manager**, *IMACS (UK) Limited*, Worthing
- 1981 - 1986 **Systems Design Engineer/Project Manager**, *Rediffusion Simulation Ltd*
- 1976 - 1980 **Soldier, Avionics Technician Class II**, *REME*