A Practical Guide to Teaching Computing and ICT in the Secondary School (Routledge Teaching Guides)

By Andrew Connell, Anthony Edwards, Alison Hramiak, Gavin Rhoades, Neil Stanley

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A Practical Guide to Teaching Computing and ICT in the Secondary School offers straightforward guidance and inspiration to support all trainee and newly qualified teachers, as well as their tutors and mentors. It will also be a source of support and ideas for qualified teachers who wish to develop their teaching of Computing as a subject, in light of recent changes to the National Curriculum.

Grounded in the best research and practice available, it focuses on the key pedagogical issues which arise during teacher training and offers stimulating activities based on tried and tested strategies. Comprehensively updated and restructured to reflect recent changes in the curriculum, Initial Teacher Training Standards and classroom technologies, it covers key aspects of Computing and ICT teaching:

- Planning pupil learning and progression
- Managing the learning environment
- Using assessment to improve pupil learning and your own teaching
- Developing pupils' understanding of key concepts and ideas in Computing, including Computational Thinking and Programming
- Pupils' common misconceptions and how to avoid them
- Helping pupils appreciate good and bad effects of computing.

A Practical Guide to Teaching Computing and ICT in the Secondary School, written by experts in the field, provides detailed examples of theory in practice, enabling you to analyse and reflect on your own teaching in order to ensure pupil learning is maximised.

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Andrew Connell is Head of Initial Teacher Education and a Senior Lecturer in Computing Teacher Education at the University of Chester.

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