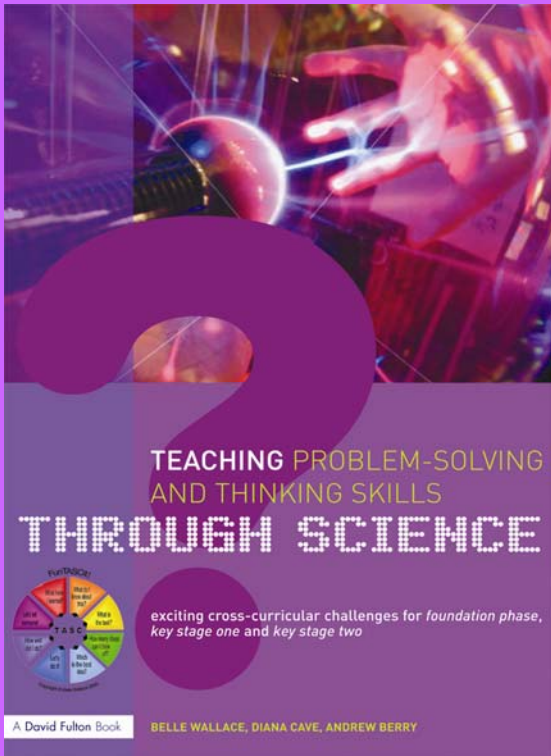


# Teaching Problem-Solving and Thinking Skills Through Science

**Belle Wallace, Diana Cave and Andrew Berry**



This highly practical resource book presents ways in which teachers can help to develop children's problem-solving and thinking skills through a range of exciting science topics. The book contains classroom-based activities which have been trialled and evaluated by teachers and children, and helpfully shows how the skills developed through rigorous scientific investigations can be used across all areas of the curriculum.

The scientific curriculum requirements are extended with exciting and inspiring problem-solving activities that use scientific skills, for example:

- fair-testing
- pattern-seeking
- surveying
- classifying and identifying
- investigations over time
- designing
- testing and adapting an artefact
- open-ended exploration.

The book contains learning objectives for each activity, step by step guidelines for carrying out each problem-solving activity, basic equipment that's needed, examples of learner's work and guidelines for assessment. This book is a must-buy for all early years and primary school teachers keen to encourage an inclusive but differentiated approach to the development of problem-solving and thinking skills in their pupils.

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