

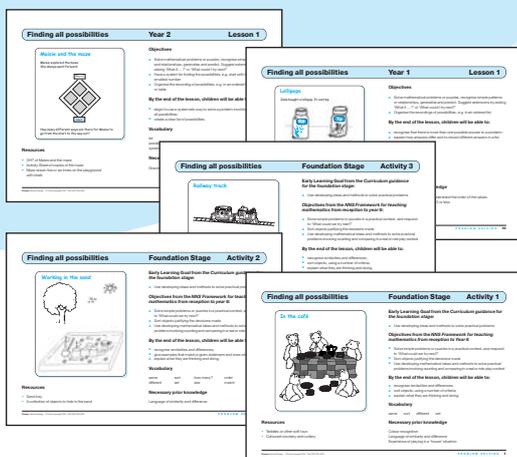
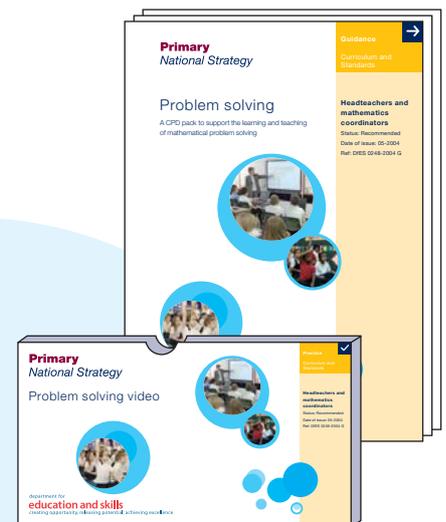
Problem Solving – A CPD pack to support the learning and teaching of mathematical problem solving

This pack has been designed to support teaching staff in primary schools in developing children's problem-solving skills in mathematics. The materials address the problem-solving strategies that children from Foundation Stage to Year 6 might use and be taught in their mathematics lessons.

The materials include: guidance for two staff meetings; lesson plans and activities; and videos to illustrate key teaching approaches that help to develop children's problem-solving skills.

The guidance is designed to help all staff involved in the teaching of mathematics to:

- identify problems of a particular type and the strategies children can use to solve them;
- construct teaching sequences for teaching problem solving;
- develop children's reasoning and explanation skills;
- adapt problems so as to provide children with practice at solving a number of problems of a given type;
- engage in whole-staff discussion on different teaching approaches and progression in problem solving.



This material is part of the Strategy's focus on providing support to schools in learning and teaching. Problem solving is a key learning skill in mathematics and across the curriculum. Future materials will look at ways of improving children's reasoning and communication skills in mathematics and across the curriculum.

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