

Alan Peat^{LTD}

presents

CREATIVE APPROACHES TO PROBLEM SOLVING WITH ANTHONY REDDY

This training course should enable participants to view the importance of mathematical problem solving and its links to all other aspects of the Framework. There should be an understanding of the need to plan carefully for investigative maths, along with a consideration of how to introduce problems, develop recording skills, differentiate through task and questioning, and provide appropriate equipment.

DATE

VENUE & COST

THURSDAY 26TH JANUARY 2011
THE VILLAGE
HYDE

9.30 – 3.30

£160 PER PLACE
IF 1 PLACE BOOKED
£145 PER PLACE
FOR 2+ PLACES

to book call
0778 993 8923
email
alanpeat@fiscali.co.uk

Purpose of Course:

- To understand the different types of mathematical problem
- To understand the ways in which children develop the skills of problem solving
- To develop skills in the teaching and learning of investigation based mathematics
- To be able to adapt specific problems to suit learning styles and individual needs
- To become more systematic when solving problems and recording solutions

FIND OUT MORE

CREATIVE APPROACHES TO PROBLEM SOLVING

PROGRAMME

9:00 am Registration and Coffee

9:30 am MORNING SESSION

Developing Problem Solving – Key Skills, Strategies and Problem Types

- Definition and key messages concerning problem solving
- Introductory activity – lateral thinking
- Problems with problem solving
- Developing rich mathematical activities through problem solving – Animal speeds

Developing Systematic Thinking

- Processes, problem types and key skills of problem solving
- Problem solving strategies – critical skills group problems
- Being systematic when finding all possibilities (1) / preparing to teach investigative maths

12:15 pm LUNCH

1:15 pm AFTERNOON SESSION

Planning for Problem Solving – Adapting Problems to a Context / Around a Theme

- Being systematic when finding all possibilities (2)
- Adapting a familiar problem to a different context
- ICT links to problem solving

Developing Large Scale Problem Solving – Story Problems

- Problem solving in the Renewed Framework
- QCA support for problem solving – using examples of children's work as a teaching tool
- Story problems – the 'dog' problem (KS2) / the 'Alton Towers' problem (KS1)
- Next steps – developing a problem solving policy

3:30 pm Review and Close

ANTHONY REDDY

Anthony is an experienced Senior Mathematics/ISP Consultant who has been involved in delivering high quality mathematics training across several Local Authorities since 1999. He is a qualified Key Stage 1 Moderator, a regular lecturer and marker for the University of Manchester PGCE course and was part of the DfES working party for the recent Renewed Framework for Mathematics. Besides overseeing and leading the Framework rollout for a series of Local Authorities in the North, Anthony's expertise is much in demand elsewhere. He now works throughout the country as an independent consultant, including running training at Dudley Regional Staff College, aiming to 'revitalise mathematics teaching' through his well received array of activities, resources and ideas (including the odd song or two!)

Anthony's common-sense approach to planning and delivering quality maths lessons means that his growing reputation is also taking on an international dimension!

Find out more about Anthony at www.alanpeat.com

Using and applying will be presented through relevant and enjoyable activities which engage the children, extend their thinking and reasoning skills, and inspire them to become effective, systematic and logical problem solvers!