Problem Solving in KS 2

Information Sheet

Date: Monday 11th November 2019

Time: 09:00 – 12:00

Venue: Long Sutton Primary School

Venue address: Dick Turpin Way, Long Sutton, Spalding, Lincs, PE12 9EP

Course code: LSP111119

Course tutor: Liz Gibbs

Cost: £45 per delegate (this fee includes £7.50 VAT)

Refreshments will be provided

Audience for this course:
- Maths subject leaders
- KS 2 class teachers
- Teaching assistants

Aims:
- To examine the various types of problem, be able to identify each type and ensure that their children have a balance of these throughout the year.
- To solve problems.
- To explore useful learning and teaching books and classroom resources
- To consider how problem solving can be written into every mathematics lesson plan.

Course information:

Problem solving and reasoning are at the heart of our primary curriculum. The mastery movement has brought about a step change by introducing bar modelling to our classrooms. However, bar modelling is only part of an extensive problem solving tool kit and isn't always the appropriate method to solve a problem. There are five broad problem solving types,
- Word problems
- Finding all possibilities
- Finding rules and patterns
- Visual and diagram problems and
- Logic problems.

I believe that children need to see a variety of problems, be able to select from their own personal tool kit the appropriate and most efficient method to solve it.

A child's problem solving tool kit has to be taught, scaffolded and developed over their primary school years.

This is not a bar modelling course.

During the morning, delegates will be presented with a variety of KS 2 problems and be asked to sort and solve them. Delegates will think about the prior knowledge that their children must have before beginning to solve the problem. Finally, every lesson should be a problem solving lesson and delegates will look at how they can embed this into their classroom planning.

At the end of the course, a pack of resources, including a pdf copy of the PowerPoint mini slides handout will be available via a Drop box or We transfer download.

A camera, iPad or smart phone would be useful to bring to the course.