The Bright Ideas Time

Evidence?
Building on 3 previous projects

- London G&T
- CHiPS
- London G&T Project
- Oxfordshire AZ Project
2002 - 2004

16 Oxfordshire primary schools

Year 6 teacher

Science co-ordinator

CPD: 8 days INSET

Oxfordshire AZ Project
London G&T Project

18 schools

2006 - 2007
Key Outcomes of Projects

- More emphasis on pupils’ independent scientific thinking
- Increased time within lessons spent in discussion of scientific ideas
- More focused recording by the pupils, less time spent writing
- More time for hands on, practical investigations
Or, more simply:

- More practical activity
- Deeper thinking
- More discussion
- Less writing
- More questioning
Bright Ideas Time

The Bright Ideas slot has taken off throughout the school. It really encourages the pupils to think & it is rather like a science mental starter.

All the project schools developed this discussion slot.
Thinking time

Think  Pair  Share

London Gifted & Talented
The Odd One Out
Chocolate, paper, water

Which is the odd one out & why?
Which is the Odd One Out and why?

- Sand
- Salt
- Iron filings
Which is the odd one out and why?
Which is the odd one out and why?
Which is the odd one out & why?
Video clip: Odd One Out
PMI - Chocolate door handles
PMI: A world without electricity
Positive Statements:

- You won’t waste so much energy
- Instead of electrical toys you would have wind up radios – that would be fun!!
- The world would be equal
Minus Statements:

- It would be very scary walking home at night
- There wouldn’t be a London underground
- You wouldn’t be able to watch T.V!
You would have to be inventive in your spare time

Torches might become really fashionable

People might be fitter – less T.V = more exercise
The chocolate teapot

Living on the Moon

An eye in the middle of your hand

A flexible skeleton

A world without friction
Some secondary examples

- The Earth stops spinning
- The Sun shines all the time
- The number of nuclear power plants is increased
- Animals are able to photosynthesise
- Nuclear fusion
- .....
The Bright Ideas have been an excellent way of stimulating discussion and questioning. They have also come up with some far more interesting ideas than I have thought of. I have noticed that the more we do, the more scientific their ideas have become.

There is more of a buzz and children are a lot more confident when sharing their ideas - risk-taking has increased/improved greatly and this has a positive knock-on effect.

Incorporating Bright Ideas time into every session.
You have sheets of ‘More ideas for the Bright Ideas Time:'