

INSPIRETMstem
www.Dr-Mark.co.uk

Inspiring STEM!

Novel and Effective (and *FUN!*) Ways of Teaching
Science, Technology, Engineering & Mathematics

Typical feedback about Dr Mark's sessions: "INSPIRING!"; "A fantastic day..."; "Extremely useful..."

Course Overview:

Over the last few years 'STEM' has become an educational buzzword in schools (and it sounds better than the original insult-sounding acronym 'SMET'!). And there is no doubt that these are vital areas of learning in our modern, increasingly high-tech driven age. The challenge many teachers face - particularly the non-specialist and Primary teachers - is how to teach such an important range of subjects in an integrative, engaging and even inspiring way, that gets their pupils curious, interested and even awed and excited about STEM, and its wider applications in the world around us. That is what this course is about.

In this lively and entertaining (and fun!) course, *Dr Mark* will demonstrate - and let you 'play' with - a selection of literally hundreds of tried-and-tested STEM-based activities and investigations you can use back in the classroom. *Dr Mark's* activities and investigations are designed to not only help you to engage and inspire your pupils about STEM, but also to help them better remember and more fully understand what you teach them as well.

Better still, *Dr Mark* will show you how easy it can be - through simple demonstration, observation and questions - to effectively stimulate your pupils' 'higher-order' rational and creative thinking skills, such as 'applying', 'analysing', 'evaluating', and 'creativity' itself, as well as 'problem solving', 'reasoning' and 'enquiry' more generally with respect to STEM-topics.

This course will show you:

- Hundreds of STEM-based activities to take back to the classroom designed to inspire and really engage your pupils about Science, Technology, Engineering and Mathematics
- A way of teaching STEM-topics that is particularly effective for stimulating the 'higher order' rational and creative thinking skills essential for grasping any STEM subject well
- A range of engaging STEM-based activities from across the curriculum, with particular attention on the often more difficult to teach Science and Maths topics, such as *forces and motion*, *chemical reactions* and *properties of materials*, as well as a look at *number work*, *shape*, *space and measurement*, and *handling data*. And fear not, as a good selection of Biology and Engineering-themed activities will be in there too!
- How to use the supplied STEM resource activities in a variety of ways, from full-length lesson activities, to teaching aids, to quick lesson starters, to lesson enders, to engaging and fun homeworks, and even for fun STEM-themed lunchtime or after-school clubs!

What resources do we get for the school?

A **FREE** site-licensed 'USB STEM STICK' containing ALL of Dr Mark's Science & Maths teachers' multi-media (including video) classroom resources - itself worth £320 RRP! Includes:



DELIVERY FORMATS:

- Full-day (approx. 5 hours contact) @£695*
- Half-day or twilight (approx. 2 - 3 hours) @£395*
- A 1 or 2 hour twilight as part of a 'CPD-Show Combo' day or an 'Extended Pupils & Staff CPD Day' @£595 - £695*

*Add VAT plus travel and any necessary overnight B&B

Contact Dr Mark for further details: Dr-Mark.co.uk

Who is the CPD trainer?

'Dr Mark' Biddiss' early STEM-vocational career was in Mechanical, Production and Civil Engineering, with further and higher academic qualifications (ONC/HNC/BSc/PhD) in Engineering, Science and Maths. He is now a Science & Maths (STEM) Education Provider, Author and GTC(S) approved CPD/INSET Trainer. Since 1997 he has visited many hundreds of schools, worked with thousands of teachers and many tens of thousands of pupils. He has been engaged by numerous 'high-profile' clients - to work with teachers and pupils - including UK Local Education Authorities, the TES/TSL Annual Education Conferences and the NEC Education Show. Dr Mark's teachers' resources are used in thousands of schools throughout the UK and overseas. Dr Mark was featured in a TV programme about his school work: 'INSPIRATIONS: Magical Science & Maths' (still viewable on-line!).

