

## **Software and activities to motivate and support learners in mathematics, science and technology**

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Very many countries have concerns over meeting the future skills needs of industry, commerce and research to support economic prosperity and social well-being. In the US and UK the phrase “STEM” is used, whereas in the European Union the term is “MST” – but in either case it is not just a matter of getting more students to take qualification in mathematics, science and technology. Schools need to enthuse and motivate students to engage actively with technology, not just to be passive consumers. In my talk I will give some examples of how modern developments in hardware and software, as well as in electronic communications, can be used to make technological education more exciting, engaging and challenging for learners and teachers alike – inside and outside schools.