

Professional Development with the Further Mathematics Support Programme

# Ideas for Simple Practical Work and Problem Solving in Mechanics

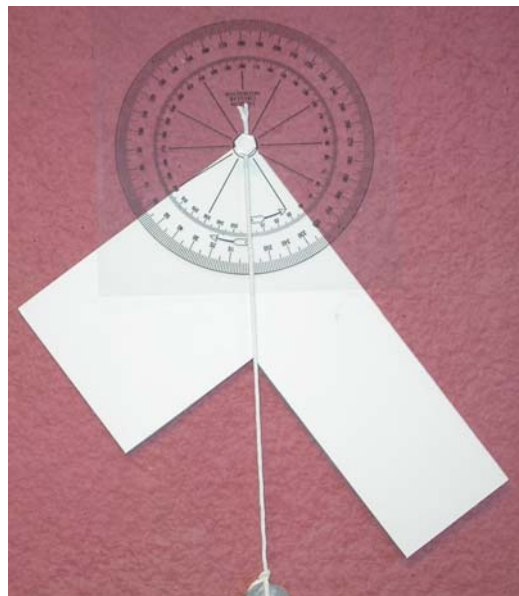
at **University of Plymouth**

Wednesday 7<sup>th</sup> July 2010

at **Poole Grammar School**

Tuesday 13<sup>th</sup> July 2010

10:00am – 3:30pm



This course aims to provide simple practical and problem solving ideas that can be used with students taking early modules in mechanics, as well as a range of concept questions for promoting discussion and testing student understanding. All the ideas used will be ones that teachers can take away and replicate with a minimum of equipment and resources. All the delegates will be encouraged to carry out a range of activities.

Session 1: Introducing Mechanics – An approach to introducing mechanics designed to help develop a conceptual approach to the subject.

Session 2: Practical activities, problem solving tasks and concept questions for Friction, Forces & Statics, Applying Newton's Second Law, Connected Particles and Projectiles.

Session 3: Practical activities, problem solving tasks and concept questions for Moments, Centres of Mass, Sliding and Toppling, Circular Motion, Work Energy and Power.



**The cost per delegate will be £60, or £50 for delegates from schools registered with the FMSP. This includes break refreshments and lunch.**

To Book your place contact: Julie Tombs ([jtombs@plymouth.ac.uk](mailto:jtombs@plymouth.ac.uk))

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