



CENTRE FOR

bioscience



Design of research investigations

Steve Maw



Instructions

- Form groups of 6-7 people (5 mins)
- Chose a scenario (5 mins)
- Propose a work plan (40 mins)
- Summarise plan on flip chart (10 mins)
- Tie-up (10 mins)



- Scenario 1

Modelled on

Cahyadi, M. V., & Butler, P. H. (2004).

Undergraduate students' understanding of falling bodies in idealized and real-world situations. *Journal of Research in Science Teaching*, **41**(6), 569-583.



- Scenario 2

Modelled on

Hughes 1995 Peer assessment of student practical reports and its influence on learning and skill acquisition. *Capability 1* 39-43



- Scenario 3

Yet to be done!

For those interested in creativity

Treffinger, D. J., Young, G. C., Selby, E.C. and Shepardson, C (2002)
Assessing Creativity: A Guide for Educators. The National Research
Center on the Gifted and Talented (www.gifted.uconn.edu/)

www.mycoted.com



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- The following paper is a useful overview for those considering using video in assignments

Shephard K (2001) Submission of student assignments on compact discs: exploring the use of audio, images and video in assessment and learning in higher education *British Journal of Educational Technology* **32** (2), 161–170.

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