Edexcel iGCSE Physics 4PH0 Learning Plan

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| **Section A5: The Turning Effect of Forces** | | |
| Specification | Resources | Assessment |
| • Recall and use the relationship between the moment of a force and its distance from the pivot: moment = force × perpendicular distance from the pivot  • Recall that the weight of a body acts through its centre of gravity.  • Recall and use the principle of moments for a simple system of parallel forces acting in one plane.  • Understand that the upward forces on a light beam, supported at its ends, vary with the position of a heavy object placed on the beam. | Video: Section 1 General Physics – Lesson 6 – Forces 2  Powerpoint: 6 – Forces 2  Textbook:  Page 42 Opening a door  Page 43 The moment of a force  DVD Exam question on moments  Page 44 Centre of gravity  DVD Video clip – Stability and toppling  Page 47 Forces on a beam  DVD Revision check list | Textbook  Questions Page 48  Section A5 - Textbook Answers (Chapter 5) pdf  DVD Multiple choice test  Talking paper video – Section A5 The Turning Effect of Forces  Section A5 Exam Question – pdf  Section A5 Exam Question Mark Scheme - pdf |

Videos – www.igcsesciencecourses.com

Textbook Ref: Edexcel International GCSE Physics Student Book - Pearson

DVD Video Clips – see resource DVD in textbook.