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 2Powerpoint: 6 – Forces 2Textbook:Page 42 Opening a doorPage 43 The moment of a forceDVD Exam question on momentsPage 44 Centre of gravityDVD Video clip – Stability and topplingPage 47 Forces on a beamDVD Revision check list | TextbookQuestions Page 48Section A5 - Textbook Answers (Chapter 5) pdfDVD Multiple choice testTalking paper video – Section A5 The Turning Effect of ForcesSection A5 Exam Question – pdfSection 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.