CiE iGCSE Physics 0625 Learning Plan

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| **Section 6: Forces 2** |
| Specification | Resources | Assessment |
| **Core**Describe the moment of a force as a measure of its turning effect and give everyday examples • Understand that increasing force or distance from the pivot increases the moment of a force • Calculate moment using the product force × perpendicular distance from the pivot • Apply the principle of moments to the balancing of a beam about a pivot1.5.3 Conditions for equilibrium • Recognise that, when there is no resultant force and no resultant turning effect, a system is in equilibrium**Supplement**Apply the principle of moments to different situationsPerform and describe an experiment (involving vertical forces) to show that there is no net moment on a body in equilibrium | Video: Section 1 – General Physics – Lesson 6 – Forces 2Powerpoint: Lesson 6 – Forces 2Textbook Page 54 Forces and turning effects.Page 58 More about moments | Textbook Page 74 Questions 1, 2, 4Answers to questions – page 327Talking paper video – CiE Section 6 Forces 2Section 6 Exam Question – Forces 2 - (pdf)Section 6 Exam Question – Mark Scheme – Forces 2 - (pdf) |

Videos – www.igcsesciencecourses.com

Textbook Ref: Complete Physics for Cambridge iGCSE (Stephen Pople) - OUP

DVD Assessments – see resource DVD in textbook.