CiE iGCSE Physics 0625 Learning Plan

|  |  |  |
| --- | --- | --- |
| **Section 7: Forces 3** | | |
| Specification | Resources | Assessment |
| **Core**  1.5.4 Centre of mass  • Perform and describe an experiment to determine the position of the centre of mass of a plane lamina  • Describe qualitatively the effect of the position of the centre of mass on the stability of simple objects  1.5.5 Scalars and vectors  **Supplement**  Understand that vectors have a magnitude and direction  • Demonstrate an understanding of the difference between scalars and vectors and give common examples  • Determine graphically the resultant of two vectors | Video: Section 1 – General Physics – Lesson 7 – Forces 3  Powerpoint: Lesson 7 – Forces 3  Textbook  Page 56 Centre of Mass  Page 46 More about vectors  Page 48 Moving in circles | Textbook  Page 47 Questions (1) to (3)  Mark Scheme Page 326  Page 57 Questions (1) to (3)  Mark Scheme Page 327  DVD Diagnostic Test – 2 Forces and Motion  DVD Revision Checklist – 2 Forces and Motion  Talking Paper Video – Section 7 Forces 3 (mp4)  Exam Q7 Forces 3 - (PDF)  Exam Q7 Mark Scheme – pdf |

Videos – www.igcsesciencecourses.com

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

DVD Assessments – see resource DVD in textbook.