Edexcel iGCSE Physics 4PH0 Learning Plan

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| **Section A4: Momentum** |
| Specification | Resources | Assessment |
| • Recall and use the relationship between momentum, mass and velocity: momentum = mass × velocity p = m × v • Use the ideas of momentum to explain safety features. • Use the conservation of momentum to calculate the mass, velocity or momentum of objects. • Use the relationship between force, change in momentum and time taken: force = change in momentum / time taken • Understand Newton’s third law. | Video: Physics 5 – Forces 1Powerpoint: Physics 5 – Forces 1Textbook: Page 34 MomentumPage 35 Momentum and accelerationPage 36 Momentum and collisionsDVD Video clip – Carriage crash challengePage 38 Car safetyDVD Video clip – Crash testing 1: Crumple zonePage 39 Newton’s Laws of MotionDVD Revision check list | TextbookQuestions Pages 41 Section A4 - Textbook Answers (Chapter 4) pdfDVD Multiple choice testTalking Paper Video – Section A4 - MomentumSection A4 Exam Question – Momentum (pdf)Section A4 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.