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 1  Powerpoint: Physics 5 – Forces 1  Textbook:  Page 34 Momentum  Page 35 Momentum and acceleration  Page 36 Momentum and collisions  DVD Video clip – Carriage crash challenge  Page 38 Car safety  DVD Video clip – Crash testing 1: Crumple zone  Page 39 Newton’s Laws of Motion  DVD Revision check list | Textbook  Questions Pages 41  Section A4 - Textbook Answers (Chapter 4) pdf  DVD Multiple choice test  Talking Paper Video – Section A4 - Momentum  Section 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.