Edexcel iGCSE Physics 4PH0 Learning Plan

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| **Section A1: Movement and Position** | | |
| Specification | Resources | Assessment |
| 1.2 plot and interpret distance-time graphs 1.3 know and use the relationship between average speed, distance moved and time:  1.4 describe experiments to investigate the motion of everyday objects such as toy cars or tennis balls  1.5 know and use the relationship between acceleration, velocity and time:  1.6 plot and interpret velocity-time graphs 1.7 determine acceleration from the gradient of a velocity-time graph  1.8 determine the distance travelled from the area between a velocity-time graph and the time axis. | Video: Section 1 General Physics – Lesson 2 – Speed, velocity and acceleration.  Powerpoint: 2 – Speed, velocity and acceleration.  Textbook  Page 1 Speed  Page 3 Distance-time graphs  DVD Video Clip Distance-time graphs  Page 4 Acceleration  Page 7 Velocity-time graphs  DVD Video Clip Velocity-time graphs  Page 9 Speed investigations using ticker tape  DVD Revision check list | Textbook  Questions Pages 10 -11  Textbook Answers (PDF)  DVD Multiple choice test  Section 1A Exam question (PDF)  Section 1A 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.