Edexcel iGCSE Physics 4PH0 Learning Plan

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| **Section D16: Thermal Energy** |
| Specification | Resources | Assessment |
| 4.6 describe how energy transfer may take place by conduction, convection and radiation 4.7 explain the role of convection in everyday phenomena 4.8 explain how insulation is used to reduce energy transfers from buildings and the human body. | Video: Section 2 – Thermal Physics – Lesson 5 – Thermal ProcessesPowerpoint: Physics 16 – Thermal ProcessesTextbook: Ch.16 – Thermal EnergyPage 133 – ConductionPage 134 – ConvectionPage 135 – RadiationPage 137 – Energy efficient housesPage 140 – Insulating people and animalsPage 141 – End of Chapter check listEdexcel iGCSE Physics Student Checklist Section D16.docDVD Revision check list | TextbookPage 141 – Questions 1 to 7Textbook Answers (PDF)DVD Multiple choice testTalking paper – Edexcel Physics Section D16 – Thermal EnergySection D16 Exam Question –. (pdf)Section D16 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.