Edexcel iGCSE Physics 4PH0 Learning Plan

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| **Section D18: Energy Resources and Electricity Generation** | | |
| Specification | Resources | Assessment |
| 4.16 describe the energy transfers involved in generating electricity using:   * wind * water * geothermal resources * solar heating systems * solar cells * fossil fuels * nuclear power   4.17 describe the advantages and disadvantages of methods of largescale electricity production from various renewable and non-renewable resources. | Video: Section 1 – General Physics – Lesson 9 – Energy resources  Powerpoint: Physics 9 – Energy Resources  Textbook:  Chapter 18 – Energy Resources and Electricity Generation  Page 151 – Non-renewable energy resources  Page 153 – Renewable energy resources  Page 154 – Hydroelectric power  Page 154 – Tidal power  Page 155 – Wave energy  Page 155 – Wind power  Page 155 – Solar power  Page 157 – Geothermal energy  Page 157 – Supply and demand  Page 158 – Cost  Page 159 – End of Chapter Checklist  Edexcel iGCSE Physics Student Checklist Section D18.doc  DVD Revision check list | Textbook  Page 159 – Questions 1 to 7  Chapter D18 Textbook Answers (PDF)  Page 160 – 161; End of Section D – Questions 1 to 6  End of Section D textbook answers.pdf  DVD Multiple choice test  Talking paper – Edexcel Physics Section D18 – Energy resources and Electricity Generation  Section D18 Exam Question –. (pdf)  Section D18 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.