Edexcel International GCSE Physics 4PH1 Learning Plan

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| **Unit: 4 Energy Resources and Energy Transfer** | **Chapter: 17. Energy Resources and Electricity Generation** | **Hours: 3** |
| Content coverage | Learning outcomes | Resources | Assessment |
| Section 4: Energy resources and Energy transfersa) Units**d) Energy resources** **and electricity generation** | **4.18P describe the energy transfers involved in generating electricity using:** * **wind**
* **water**
* **geothermal resources**
* **solar heating systems**
* **solar cells**
* **fossil fuels**
* **nuclear power**

**4.19P describe the advantages and disadvantages of methods of large-scale electricity production from various renewable and non-renewable resources**  | Video and Powerpoint:1.9 Energy resourcesTextbook pages:Page 159 – Non-renewable energy resourcesPage 160 – ElectricityPage 161 – Renewable energy resourcesPage 165 – Supply and demandPage 166 - Cost | Page 167Questions (1) to (5)Pages 168 – 171End of Unit Questions (1) to (5)Chapter 17Textbook Answers (PDF)Chapter 17 Answers to End of Unit Questions (PDF)Chapter17 - exam question - pdfChapter 17 - exam question mark scheme – pdfChapter 17 - Talking paper video  |

Videos – [www.igcsesciencecourses.com](http://www.igcsesciencecourses.com)

Textbook Ref: Edexcel International GCSE (9-1) Physics Student Book - Pearson (Arnold, Johnson, Woolley))