Edexcel International GCSE Physics 4PH1 Learning Plan

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 transfers  a) 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 resources  Textbook pages:  Page 159 – Non-renewable energy resources  Page 160 – Electricity  Page 161 – Renewable energy resources  Page 165 – Supply and demand  Page 166 - Cost | Page 167  Questions (1) to (5)  Pages 168 – 171  End of Unit Questions (1) to (5)  Chapter 17Textbook Answers (PDF)  Chapter 17 Answers to End of Unit Questions (PDF)  Chapter17 - exam question - pdf  Chapter 17 - exam question mark scheme – pdf  Chapter 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))