Edexcel iGCSE Physics 4PH0 Learning Plan

|  |  |  |
| --- | --- | --- |
| **Section D15: Energy Transfers** | | |
| Specification | Resources | Assessment |
| 4.2 describe energy transfers involving the following forms of energy: thermal (heat), light, electrical, sound, kinetic, chemical, nuclear and potential (elastic and gravitational)  4.3 understand that energy is conserved  4.4 know and use the relationship:  Energy = useful energy output / total energy input  4.5 describe a variety of everyday and scientific devices and situations, explaining the fate of the input energy in terms of the above relationship, including their representation by Sankey diagrams | Video: Section 1 – General Physics – Lesson 8 - Energy  Powerpoint: Physics 8 - Energy  Textbook: Ch.15 – Energy transfers  Page 128 – Types of energy  Page 128 – Energy transfer and conversion  Page 129 – Energy conversions  Page 129 – Conservation of energy  Page 130 – Energy diagrams  Page 131 – Efficiency  Page 132 – End of Chapter Checklist  Edexcel iGCSE Physics Student Checklist Section D15.doc  DVD Revision check list | Textbook  Page 132 – Questions 1 to 4  Textbook Answers (PDF)  DVD Multiple choice test  Talking paper – Edexcel Physics Section D15 – Energy transfers  Section D15 Exam Question –. (pdf)  Section D15 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.