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 conserved4.4 know and use the relationship: Energy = useful energy output / total energy input4.5 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 - EnergyPowerpoint: Physics 8 - EnergyTextbook: Ch.15 – Energy transfersPage 128 – Types of energyPage 128 – Energy transfer and conversionPage 129 – Energy conversionsPage 129 – Conservation of energyPage 130 – Energy diagramsPage 131 – EfficiencyPage 132 – End of Chapter ChecklistEdexcel iGCSE Physics Student Checklist Section D15.docDVD Revision check list | TextbookPage 132 – Questions 1 to 4Textbook Answers (PDF)DVD Multiple choice testTalking paper – Edexcel Physics Section D15 – Energy transfersSection 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.