Edexcel International GCSE Physics 4PH1 Learning Plan

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| **Unit: 7 Radioactivity and Particles** | **Chapter: 24. Applications of radioactivity** | **Hours: 3** |
| Content coverage | Learning outcomes | Resources | Assessment |
| Section 7: Radioactivity and Particlesb) Radioactivity | **7.14** describe uses of radioactivity in industry and medicine **7.15** describe the difference between contamination and irradiation **7.16** describe the dangers of ionising radiations, including: * that radiation can cause mutations in living organisms
* that radiation can damage cells and tissue
* the problems arising from the disposal of radioactive waste and how the associated risks can be reduced.
 | Video and Powerpoint:4.3 Radioactive decayTextbook pages:Page 241 – The use of radioactivity in medicinePage 243 – The use of radioactivity in industryPage 245 – Radioactive datingPage 247 – The dangers to health of ionising radiation | Pages 248 – 249Questions (1) to (8)Chapter 24 Textbook Answers (PDF)Chapter 24 - exam question - pdfChapter 24 - exam question mark scheme – pdfChapter 24 - 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))