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 Particles  b) 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 decay  Textbook pages:  Page 241 – The use of radioactivity in medicine  Page 243 – The use of radioactivity in industry  Page 245 – Radioactive dating  Page 247 – The dangers to health of ionising radiation | Pages 248 – 249  Questions (1) to (8)  Chapter 24 Textbook Answers (PDF)  Chapter 24 - exam question - pdf  Chapter 24 - exam question mark scheme – pdf  Chapter 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))