CiE iGCSE Physics 0625 Learning Plan

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| **Section 24: Radioactive Decay** | | |
| Specification | Resources | Assessment |
| **Core**   * State the meaning of radioactive decay * State that during α- or β-decay the nucleus changes to that of a different element * Use the term half-life in simple calculations, which might involve information in tables or decay curves * Recall the effects of ionising radiations on living things * Describe how radioactive materials are handled, used and stored in a safe way   **Supplement**   * Use equations involving nuclide notation to represent changes in the composition of the nucleus when particles are emitted * Calculate half-life from data or decay curves from which background radiation has not been subtracted | Video: Physics Section 4 – Atomic Physics – Lesson 3 – Radioactive decay  Powerpoint: Physics 24 – Radioactive decay  Textbook  Pages 256-257; Radioactive decay (1)  Pages 258-259; Radioactive decay (2)  Section 24 checklist.doc | Textbook  Page 257; Questions (1) to (2)  Page 259; Questions (1) to (3)  Textbook answers: Page 331  Talking Paper video – Section 24 – Radioactivity  Section 24 Exam Question - pdf  Section 24 Exam Question mark scheme - pdf |

Videos – www.igcsesciencecourses.com

Textbook Ref: Complete Physics for Cambridge iGCSE (Stephen Pople) - OUP

DVD Assessments – see resource DVD in textbook.