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 decayPowerpoint: Physics 24 – Radioactive decayTextbook Pages 256-257; Radioactive decay (1)Pages 258-259; Radioactive decay (2)Section 24 checklist.doc | TextbookPage 257; Questions (1) to (2)Page 259; Questions (1) to (3)Textbook answers: Page 331 Talking Paper video – Section 24 – RadioactivitySection 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.