CiE iGCSE Physics 0625 Learning Plan

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| **Section 31: Dangers of Electricity** | | |
| Specification | Resources | Assessment |
| **Core**  • State the hazards of: – damaged insulation – overheating of cables – damp conditions  • State that a fuse protects a circuit  • Explain the use of fuses and circuit breakers and choose appropriate fuse ratings and circuit-breaker settings  • Explain the benefits of earthing metal cases  **Supplement** | Video: Physics Section 5 – Lesson 7 – Dangers of Electricity  Powerpoint: Physics 31 – Dangers of Electricity  Textbook  Pages 192-193; Mains Electricity (1)  Pages 194-195; Mains Electricity (2)  Page 209: The circuit breaker  Section 31 checklist.doc | Textbook  Page 193; Questions (1) to (5)  Page 195: Questions (1) to (5)  Page 209; Question (3)  Textbook answers: Page 330  Talking Paper video – Section 31 – Dangers of Electricity  Section 31 Exam Question - pdf  Section 31 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.