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 ElectricityPowerpoint: Physics 31 – Dangers of ElectricityTextbook Pages 192-193; Mains Electricity (1)Pages 194-195; Mains Electricity (2)Page 209: The circuit breaker Section 31 checklist.doc | TextbookPage 193; Questions (1) to (5)Page 195: Questions (1) to (5)Page 209; Question (3)Textbook answers: Page 330Talking Paper video – Section 31 – Dangers of ElectricitySection 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.