CiE iGCSE Physics 0625 Learning Plan

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| **Section 25: Simple Phenomena of Magnetism** | | |
| Specification | Resources | Assessment |
| **Core**  Describe the forces between magnets, and between magnets and magnetic materials  • Give an account of induced magnetism  • Distinguish between magnetic and non-magnetic materials  • Describe methods of magnetisation, to include stroking with a magnet, use of d.c. in a coil and hammering in a magnetic field  • Draw the pattern of magnetic field lines around a bar magnet  • Describe an experiment to identify the pattern of magnetic field lines, including the direction  • Distinguish between the magnetic properties of soft iron and steel  • Distinguish between the design and use of permanent magnets and electromagnets  **Supplement**  Explain that magnetic forces are due to interactions between magnetic fields.  Describe methods of demagnetisation, to include hammering, heating and use of a.c. in a coil. | Video: Physics Section 5 – Lesson 1 – Simple Phenomena of Magnetism  Powerpoint: Physics 25 – Simple Phenomena of Magnetism  Textbook  Pages 202 - 203; Magnets  Pages 204 - 205; Magnetic fields  Section 25 checklist.doc | Textbook  Page 203; Questions (1) to (5)  Page 205; Question (1)  Textbook answers: Page 330  Talking Paper video – Section 25 – Simple Phenomena of Magnetism  Section 25 Exam Question - pdf  Section 25 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.