CiE iGCSE Physics Checklist

Section 25: Simple Phenomena of Magnetism

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| **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. |  |  |  |
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